

# National<sup>®</sup> Oil Seals & Bearings Specifications Guide



**National<sup>®</sup>**  
Oil Seals & Bearings

**Catalog Number 430-SB**

**Application Coverage: 1999-2020**

**Publication Date: February 2021**

# Premium Wheel End Solutions

The National® brand of oil seals and bearings has built a reputation as one of the most respected names in the industry. We provide premium quality, no-compromise solutions for virtually every wheel end repair.

## Wheel End Seals

### Light Vehicle



Comprehensive domestic and foreign nameplate coverage across vehicle applications. The wheel end seals are engineered to meet or exceed OE manufacturers specifications. In addition, Redi-Sleeve durable stainless steel construction provides corrosion-free sealing surface to repair shafts.

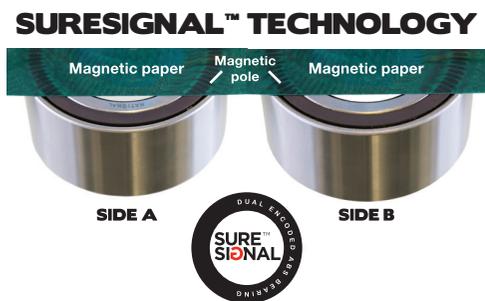
### Commercial Vehicle



National offers industry-leading advanced technologies in their Gold 38, Red 37 and Red 375 Series seals. The Red 37 and Red 375 Series feature exclusive Dynamic Edge® technology — an innovative and patented system engineered to deflect dirt and moisture away from wheel end components. In addition, the Red 375 Series contains a new hand installable feature that eliminates the need for an installation tool, making the job faster and easier.

## Wheel End Bearings

### Light Vehicle



National ABS dual encoder bearings — with SureSignal™ technology — contain magnetic encoders on both sides of the bearing, eliminating installation error and potentially saving technicians time and money. In addition, SureSignal technology delivers a bearing with seals that avoid the entrance of external particles and water.

### Commercial Vehicle



All Heavy Duty Wheel Bearings have tapered rolling-element bearings which are designed to provide higher load carrying capacity in both directions to handle vertical and axial loads. They also feature crowned raceways and precision matched rolling elements for even load distribution. They are manufactured with premium quality steel for greater machining and high strength.

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# New Red 375 Series Wheel End Seals

NOW AVAILABLE FOR SPECIFIC APPLICATIONS

**DYNAMIC  
EDGE**  
TECHNOLOGY

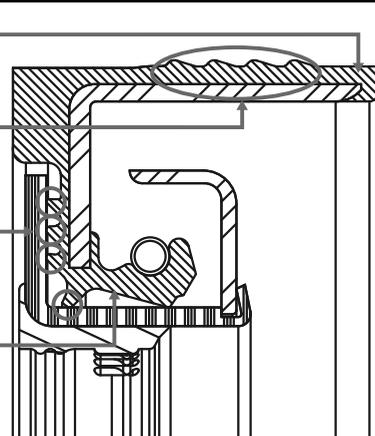
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Introducing the latest addition to the National® DYNAMIC EDGE® oil seal line – the Red 375 Series featuring application-specific hand installable design. The DYNAMIC EDGE® innovative technology is engineered to deflect dirt and moisture away from wheel end components. The new hand installable feature eliminates the need for an installation tool, making the job faster and easier.

## DYNAMIC EDGE® FEATURES

1. Long lead-in pilot to aid initial installation
2. Unique four-rib sawtooth profile for easy install
3. Four floating points of contact deflect dirt and moisture
4. Same rubber used in Red 37 Series but now configured for easier installation



## Installation as easy as:



## Now available in the five most popular part numbers:

375001A

375023A

375065A

375003A

375025A

[DRIVheavydutyparts.com](http://DRIVheavydutyparts.com)

The logo for National Oil Seals, featuring a stylized white arch above the text "National Oil Seals" in a bold, sans-serif font. A registered trademark symbol (®) is located at the top right of the word "National".

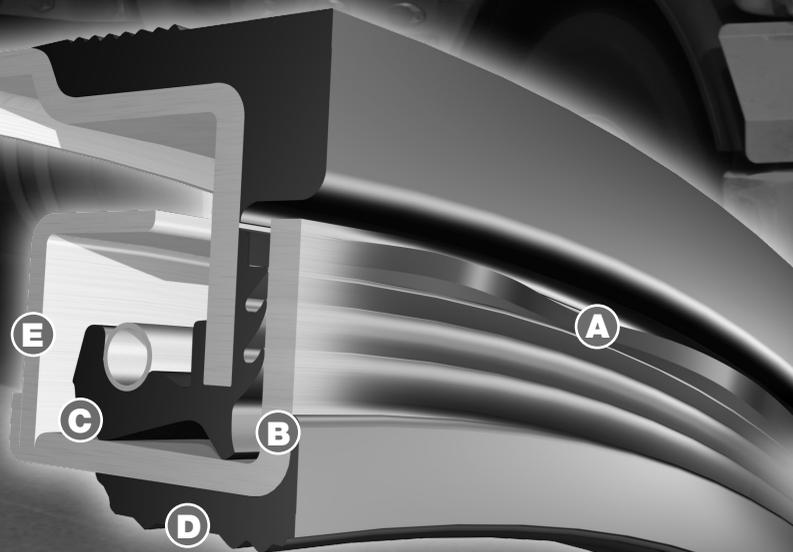
**National**  
Oil Seals

# Wheel End Seals Red 37 Series

FEATURING

**DYNAMIC  
EDGE**  
TECHNOLOGY

Exclusive DYNAMIC EDGE® technology is an innovative system engineered to deflect dirt and moisture away from wheel end components. The key to National DYNAMIC EDGE® technology is a patented sinusoidal wave that actually creates a pumping action to aggressively push dirt away from the seal.

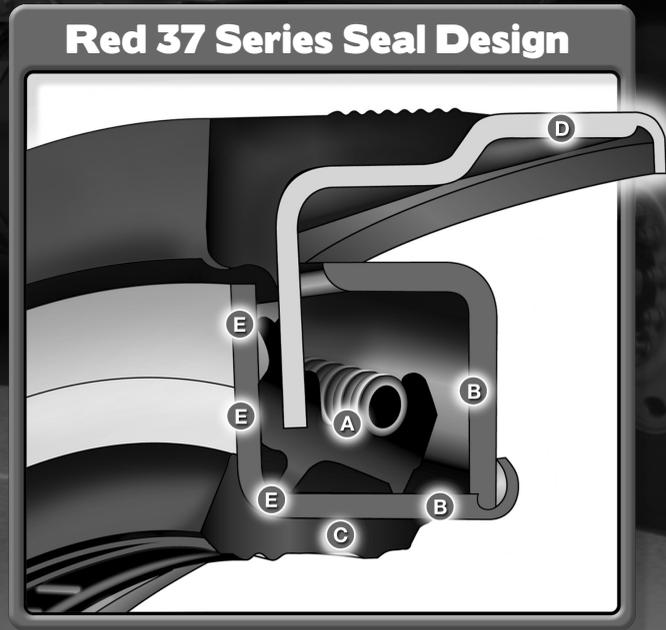


- A** DYNAMIC EDGE® pumping feature deflects contamination away from the face of the seal
- B** Four floating points of contact lock out dirt and moisture
- C** Single spring-loaded sealing lip effectively pumps lubricant back into hub
- D** Unique SURE-LOCK I.D. rib technology firmly grips shaft and provides superior contaminant exclusion
- E** Unitized construction provides structural integrity and main lip protection
- F** Metal O.D. maintains position on hub bore

# Wheel End Seals

## Red 37 Series

For over 75 years, National® has made wheel end seals that work so well you can install them and forget about them. Simple to install, easy to forget. That's National performance.



- (A) Single spring-loaded sealing lip effectively pumps lubricant back into hub
- (B) Unitized construction provides structural integrity and main lip protection
- (C) Unique SURE-LOCK I.D. rib technology firmly grips shaft and provides superior contaminant exclusion
- (D) Metal O.D. maintains position on hub bore
- (E) Three floating points of contact lock out dirt and moisture

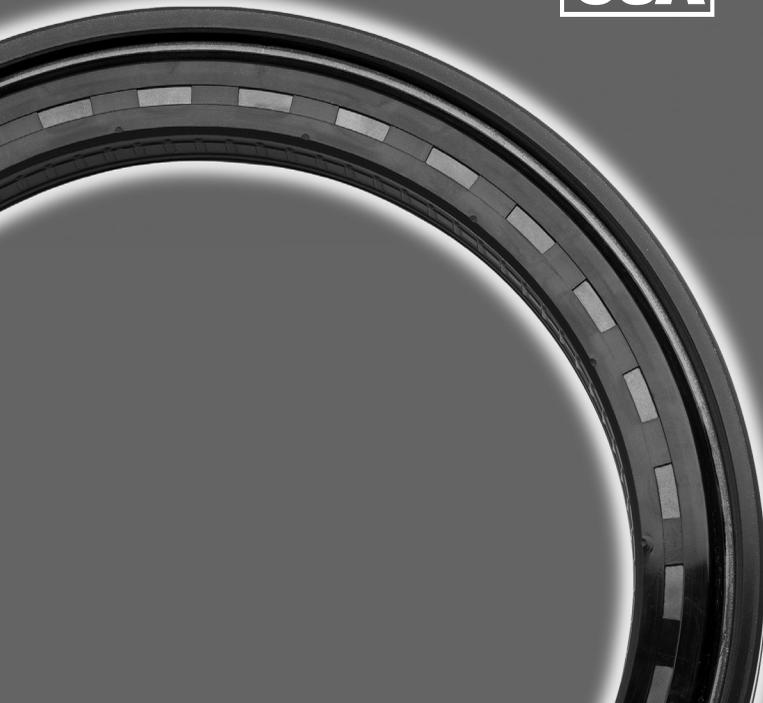
# Wheel End Seals

## Gold 38 Series

National® is known for creating the industry's best-kept secret, the Gold 38 Series, made in the United States with an exclusive PTFE compound that withstands extreme temperatures. The Gold 38 Series also includes a unique exclusion design to keep contaminants at bay. Choose National wheel end seals, and move on.



- A** Patented PTFE Lay-Down Bi-Directional Sealing Lip maintains constant sealing during wheel movement
- B** Four floating points of contact and bumper pad that inhibits contaminant entry into the hub
- C** SURE-LOCK I.D. rib technology firmly grips shaft and provides superior contaminant exclusion
- D** Metal O.D. maintains position on hub bore
- E** A unitized shield prevents damage to PTFE oil sealing lip and provides structural integrity



# TAPERED ASSEMBLIES & COMPONENT PARTS

Assembly No.	Cone	Cup
A-1	LM 11749	LM 11710
A-2	LM 11949	LM 11910
A-3	M 12649	M 12610
A-4	L 44649	L 44610
A-5	LM 48548	LM 48510
A-6	LM 67048	LM 67010
A-7 (Includes Lock Ring R 201047*)	M 201047S	M 201011
A-9 (Includes Lock Ring TKB-2943*)	U 298*	U 261-L*
A-10 (Includes Lock Ring TKB-2935*)	U 399*	U-360-L*
A-12	LM 12749	LM 12710
A-13	L 68149	L 68110
A-14	L 44643	L 44610
A-15	L 45449	L 45410
A-16	LM 12749	LM 12711
A-17	L 68149	L 68111
A-18	JL 69349	JL 69310
A-19	7100	7196
A-20 (Includes Lock Ring TKB-2944*)	U-399-A*+	U 365-L*
A-22 (Includes (1) K518780R* Spacer)	JLM 506848E*	JLM 506810
A-23 (Includes (1) X-2446-6* Spacer)	LM 104949E*	LM 104911
A-29	LM 67045*	LM 67010
A-31	JL 68145*	JM 68111-Z*
A-32 Not Available Separately		
A-33 Not Available Separately		
A-34	LM 12749*	LM 12710
A-35	LM 501349	LM 501310
A-36	LM 603049	LM 603012
A-37	LM 603049	LM 603011
A-38	LM 104949	LM 104911
A-39	JL 26749F*	JL 26710*
A-40	JLM 104946*	JLM 104910Z*
A-41 Not Available Separately		
A-42	JLM 506849A	JLM 506811
A-45		
A-46 Not Available Separately	NP 706218	NP910345
A-47 Not Available Separately	NP145100	NP913325
A-49 Not Available Separately	NP182140	NP645406
A-50 Not Available Separately	NP197868	NP802507
A-51 Not Available Separately	14585	14525
A-53 Not Available Separately	NP114036	NP0643
A-54		
A-55	NP123221	NP787333

Assembly No.	Cone	Cup
A-56	NP903590	NP640324
A-57	NP559445	NP945727
A-58	NP504493	NP949481
A-59	NP516549	NP673386
A-60	NP343847	NP372019
A-61	NP722065	NP013743
A-62	NP573375	NP434567
A-63	NP201062	NP101912
A-64	NP310800	NP312191
A-66	U 497	U 460-L
A-67	NP922169	NP233028
A-68	NP283244	NP748236
A-69	NP568415	NP908986
A-70	NP543803	NP080525
A-71	NP382209	NP622157
HD-200	HM212049	HM212011
HD-201	HM218248	HM218210
HD-202	HM212047	HM212011
HD-203	594A	592A
HD-204	598A	592A
HD-205	3782	3720
HD-206	580	572
HD-207	663	653
HD-208	HM518445	HM518410
HD-209	47686	47620
HD-210	39590	39520
HD-211	582	572
HD-212	HM516449	HM516410
HD-213	28682	28622
HD-214	HM516449A	HM516410
HD-215	47679	47620
HD-216	567	563
HD-217	555S	552A
HD-218	6461A	6420
HD-219	45280	45220
HD-427	PS899357	PS026773
HD-428	PS874005	PS435398
HD-429	PS034946	PS363298
HD-430	PS840302	PS053874
HD-431	PS965350	PS503727
HD-432	PS174964	PS593561

\*Not Necessarily a stock item – check for availability

+ Do no replace individual components

# Dimensions

Assembly Number	Cone Bore	Cone Length	Cone Radius	O.D.	Cup Length	Cup Radius	Cup Standout	Cup Width
A-1	0.687	0.575	0.046	1.57	0.42	1.168	0.0125	0.545
A-2	0.75	0.655	0.046	1.781	0.475	0.046	0.135	0.61
A-3	0.8437	0.72	0.046	1.9687	0.55	0.046	0.014	0.69
A-4	1.0625	0.58	0.14	1.98	0.42	0.046	0.14	0.56
A-5	1.375	0.72		2.5625	0.55	0.046	0.16	0.71
A-6	1.25	0.66		2.328	0.465	0.046	0.16	0.625
A-7	1.563	0.87	0.03	2.875	0.84	0.09		1.01
A-9	1.387			2.5591				0.7126
A-10	1.5625			2.875				0.7636
A-12	0.8661	0.655	0.05	1.781	0.475	0.05	0.0135	0.61
A-13	1.3772	0.66	0.203	2.328	0.47	0.05	0.0155	0.6252
A-14	1.00	0.58	0.046	1.98	0.42	0.046	0.14	0.56
A-15	1.1417	0.58	0.14	1.98	0.42	0.05	0.14	0.56
A-16	0.8661	0.655	0.05	1.81	0.475	0.05	0.0135	0.61
A-17	1.3772	0.66	0.203	2.3622	0.47	0.05	0.0155	0.625
A-18	1.4961	0.6693		2.4803	0.5315	0.05	0.0138	0.6693
A-19	1.00	0.5614	0.04	1.9687	0.375	0.04	0.0156	0.5313
A-20	1.5625	0.87	0.09	3.1483	0.601	0.05	0.1626	0.7636
A-22	2.1654	1.0236	0.14	3.5433	0.7283	0.02	0.0177	0.0905
A-23	2.00	2.038	0.14	3.25	1.638	0.05	0.02	0.2038
A-29	1.25	0.7311		2.328	0.465	0.046	0.16	0.625
A-31	1.378	0.7248	0.078	2.362	0.47	0.05	0.0155	0.625
A-32	1.1024	0.6299	0.1398	2.0472	0.4724	0.0591		0.6299
A-33	1.2598	0.6693	0.1299	2.2835	0.5118			0.6693
A-34	0.8437	0.655	0.05	1.781	0.475	0.05	0.0135	0.61
A-35	1.625	0.78	0.14	2.891	0.58	0.031	0.019	0.77
A-36	1.7812	0.7812	0.14	3.0625	0.6562	0.031	0.0188	0.8437
A-37	1.7812	0.7812	0.14	3.0625	0.5937	0.031	0.0188	0.7812
A-38	2.00	0.875	0.14	3.25	0.65	0.05	0.02	0.85
A-39	1.2598	0.5906	0.14	2.0866	0.4528	0.05	0.0118	0.5709
A-40	1.9685	0.8465	0.12	3.2283	0.6693	0.02	0.0196	0.8465
A-41	1.4961	0.8322		2.5591	0.55			0.8322
A-42	2.165	0.906	0.14	3.543	0.807	0.02		0.9843
A-45	1.378	1.4961	0.0433	3.5039	1.0827	0.0591		1.4961
A-46	2.25	0.864	0.2	3.8125	0.625	0.03		0.625
A-47	2.00	0.875	0.1378	3.25	0.65	0.5		0.65
A-49	1.3775	0.811	0.09	2.5581	0.6693	0.05		0.811
A-50	2.25	0.864	0.1378	3.813	0.7982	0.09		0.7982
A-51	1.375	0.8125		2.6875	0.625	2.6875	0.0156	0.6874
A-53	2.25	0.954	0.02	3.8125	0.625	0.03		0.864
A-54	1.375	0.8125	0.14	2.625	0.6563	0.09		

Assembly Number	Cone Bore	Cone Length	Cone Radius	O.D.	Cup Length	Cup Radius	Cup Standout	Cup Width
A-55		2.875			3.281			0.748
A-56		3.281			3.656			0.748
A-57		1.0594						0.5906
A-58								0.8906
A-59								0.8125
A-60								0.7283
A-61								0.687
A-62								0.826
A-63								0.75
A-64								0.691
A-66	1.7717	1.0236	0.09	3.1496	0.7087	0.05		
A-67								0.906
A-68								0.656
A-69								0.689
A-70		4.875			4.563			
A-71		3.656			3.656			
HD-200	2.6250	1.5100	0.1400		1.1700	0.1300		1.5000
HD-201	3.5420	1.5750	0.2800		1.2800	0.1400		1.5748
HD-202	2.5000	1.5100	0.2800		1.1700	0.1300		1.5000
HD-203	3.7500	1.4300	0.2030		1.1875	0.1250	0.3750	1.5625
HD-204	3.6250	1.4300	0.2500		1.1875	0.2500	0.3750	1.5625
HD-205	1.7500	1.1930	0.1400		0.9375	0.1250	0.2500	1.1875
HD-206	3.2500	1.4212	0.1400		1.1250	0.1250	0.3125	1.4375
HD-207	3.2500	1.6250	0.1400		1.2500	0.1250	0.3750	1.6250
HD-208	3.5000	1.5625	0.1400		1.1875	0.1300	0.0375	1.563
HD-209	3.2500	1.3125	0.1400		1.0313	0.1250	0.2812	1.3125
HD-210	2.6250	1.1875	0.1400		0.9375	0.1250	0.2500	1.1875
HD-211	3.2500	1.4212	0.2650		1.1250	0.1250	0.3125	1.4375
HD-212	3.2500	1.5625	0.1400		1.2813	0.1300	0.0281	0.1563
HD-213	2.2500	0.9688	0.1400		0.7656	0.0310	0.0203	0.0969
HD-214	3.2500	1.5625			1.2813	0.1300		1.5625
HD-215	3.0000	1.3125	0.1400		1.0313	0.1250	0.2812	1.3125
HD-216	2.8750	1.4240	0.1400		1.1250	0.1250	0.3125	1.4375
HD-217	2.2500	1.4440	0.1400		1.1875	0.1250	0.0313	0.1500
HD-218	3.0000	2.1350	0.3800		1.7500	0.1250	0.0375	0.2125
HD-219	1.7500	1.2188	0.0300		0.9375	0.0300	0.2500	1.1875
HD-427	2.6250	1.5100	0.1378		1.1700	0.1299		1.5100
HD-428	1.7500	1.1930	0.1378		0.9375	0.1299		1.1930
HD-429	3.7500	1.4300	0.1969		1.1875	0.1299		1.4300
HD-430	3.2500	1.4212	0.1378		1.1250	0.1299		1.4212
HD-431	3.5423	1.5748	0.2756		1.2795	0.1402		1.5748
HD-432	3.5000	1.5625	0.2500		1.1875	0.1299		1.5625

# Light Trailer Bearing and Seal Guide

National Bearings						National Seal				Axle		
Inner Cup #	Inner Cone #	Inner Set #	Outer Cup #	Outer Cone #	Outer Set #	Seal Size	Seal #	Seal Alt #	OB Seal #	Brake Size	Axle MFG	Stud Count
25520	25580		02420	02475		2.25 x 3.376	442109	412920	370219A	12 1/4 x 2 1/2	Dexter	8
25520	25580		02420	02475		2.25 x 3.376	442109	412920	370219A	12 1/4 x 3 3/8	Dexter	8
25520	25580		02420	02475						12 x 3 3/8	ALKO	8
25520	25580		14276	14125A		2.125 x 3.376	440972	413470		12 x 2	Dexter	8
25520	25580		14276	14125A		2.25 x 3.376	442109	412920	370219A	12 x 2	ALKO	8
25520	25580		14276	14125A		2.125 x 3.376	440972	413470		12 x 2	ALKO	8
25520	25580		14276	14125A		2.125 x 3.376		413470			Trailer Buddy	8
25520	25580		15245	15123		2.125 x 3.376	440972	413470		12 x 2	Dexter	5 or 6
25520	25580		15245	15123		2.25 x 3.376	442109	412920	370219A	12 x 2	ALKO	6
25520	25580		15245	15123		2.125 x 3.376	440972	413470		12 x 2	ALKO	6
25520	25580		LM67010	LM67048	A6	2.125 x 3.376	440972	413470		12 x 2	Dexter	6
25520	25580		LM67010	LM67048	A6	2.25 x 3.376	442109	412920	370219A	12 x 2	Hayes	6
25520	25580		LM67010	LM67048	A6	2.25 x 3.376	442109	412920	370219A	12 x 2	Hayes	6
25520	25580		LM67010	LM67048	A6	1.718 x 2.565	442251	473336		12 x 2	Fayette	4
25520	25580		LM67010	LM67048	A6	2.125 x 3.256		473243			Trailer Buddy	6
28521	28580		25520	25580						12 x 2	ALKO	8
L44610	L44649	A4	L44610	L44649	A4	1.50 x 1.987	443018	474276		7 x 1 1/4	Dexter	4 or 5
L44610	L44649	A4	L44610	L44649	A4	1.375 x 1.987		482163			Trailer Buddy	
L68110	L68149	A13	L44610	L44649	A4	1.687 x 2.328		473317			Trailer Buddy	
L68111	L68149	A17	L44610	L44649	A4	1.718 x 2.565	442251	473336		10 x 2 1/4	Dexter	4, 5, or 6
L68111	L68149	A17	L44610	L44649	A4	1.718 x 2.565	442251	473336		10 x 2 1/4	Hayes	6
L68111	L68149	A17	L44610	L44649	A4	1.718 x 2.565	442251	473336		10 x 2 1/4	Fayette	4
L68111	L68149	A17	L44610	L44649	A4	1.718 x 2.565	442251	473336		10 x 2 1/4	ALKO	5 or 6
LM67010	LM67048	A6	L44610	L44649	A4	1.75 x 2.328		482126		10 x 1 1/2	Dexter	4 or 5
LM67010	LM67048	A6	L44610	L44649	A4	1.718 x 2.565	442251	473336		10 x 1 5/8	Hayes	5
								417172	370014A		Dexter	
						2.375 x 3.376		470350				
									370450A			
National Trailer Bearing Kits												
LM11910	LM11949	A2	LM11910	LM11949	A2	1.125 x 1.78	204020			FM001 Kit		
L44610	L44643	A14	L44610	L44643	A14	1.218 x 1.983	203025			FM002 Kit		
07100	07196	A19	07100	07196	A19	1.25 x 1.972	203012			FM003 Kit		
LM67010	LM67048	A6	LM67010	LM67048	A6	1.50 x 2.332	203013			FM004 Kit		
LM48510	LM48545	A5	LM48510	LM48545	A5	1.75 x 2.566	205015			FM005 Kit		

NOTE: The data reported herein has been compiled from authoritative sources. While every effort is made by the analysts to attain accuracy, manufacturing changes as well as typographical errors and omissions may occur. The publisher cannot be responsible, nor does it assume any responsibility whatsoever for such omissions, errors or changes.

## Seals by specifications

Oil Seal						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.156" / 3.960mm Shaft</b>						<b>0.354" / 9.000mm Shaft (Cont.)</b>					
0.500" / 12.700mm	0.504" / 12.800mm	0.187" / 4.750mm	Nitrile	34	340872	1.024" / 26.000mm	1.035" / 26.280mm	0.276" / 7.000mm	Nitrile	35	9X26X7
<b>0.236" / 6.000mm Shaft</b>						<b>0.375" / 9.530mm Shaft</b>					
0.630" / 16.000mm	0.638" / 16.200mm	0.197" / 5.000mm	Nitrile	35	6X16X5	0.750" / 19.050mm	0.760" / 19.300mm	0.175" / 4.450mm	Nitrile	24	240385
0.630" / 16.000mm	0.641" / 16.280mm	0.276" / 7.000mm	Nitrile	35	6X16X7	0.687" / 17.450mm	0.691" / 17.550mm	0.156" / 3.960mm	Nitrile	31	311189
0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	35	6X22X7	0.750" / 19.050mm	0.754" / 19.150mm	0.250" / 6.350mm	Nitrile	33	330385
<b>0.250" / 6.350mm Shaft</b>						<b>0.375" / 9.525mm Shaft</b>					
0.750" / 19.050mm	0.760" / 19.300mm	0.175" / 4.450mm	Nitrile	24	240435	0.750" / 19.050mm	0.756" / 19.200mm	0.250" / 6.350mm	Nitrile	34	340385
0.499" / 12.670mm	0.505" / 12.830mm	0.187" / 4.750mm	Nitrile	34	343104	0.562" / 14.270mm	0.568" / 14.430mm	0.125" / 3.180mm	Nitrile	34	340827
0.750" / 19.050mm	0.758" / 19.250mm	0.250" / 6.350mm	Nitrile	35	350435	0.874" / 22.200mm	0.883" / 22.430mm	0.312" / 7.920mm	Nitrile	35	350156
<b>0.276" / 7.000mm Shaft</b>						<b>0.375" / 9.530mm Shaft</b>					
0.630" / 16.000mm	0.641" / 16.280mm	0.276" / 7.000mm	Nitrile	32	7X16X7	0.999" / 25.370mm	1.004" / 25.500mm	0.250" / 6.350mm	Nitrile	47	471103
0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	35	7X22X7	0.875" / 22.230mm	0.880" / 22.350mm	0.250" / 6.350mm	Nitrile	47	473096
<b>0.312" / 7.920mm Shaft</b>						<b>0.375" / 9.530mm Shaft</b>					
0.625" / 15.880mm	0.635" / 16.130mm	0.175" / 4.450mm	Nitrile	24	240698	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	5S	50197S
0.500" / 12.700mm	0.506" / 12.850mm	0.125" / 3.180mm	Nitrile	34	340826	<b>0.378" / 9.600mm Shaft</b>					
<b>0.312" / 7.925mm Shaft</b>						<b>0.394" / 10.000mm Shaft</b>					
0.750" / 19.050mm	0.756" / 19.202mm	0.250" / 6.350mm	Nitrile	35	350364	0.669" / 17.000mm	0.670" / 17.020mm	0.138" / 3.500mm	Nitrile	32	710781
<b>0.312" / 7.920mm Shaft</b>						<b>0.408" / 10.360mm Shaft</b>					
0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47	470195	1.004" / 25.500mm	1.008" / 25.600mm	0.208" / 5.280mm	Polyacrylate	49	4701N
1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Leather	5L	50445	<b>0.433" / 11.000mm Shaft</b>					
<b>0.313" / 7.950mm Shaft</b>						<b>0.437" / 11.100mm Shaft</b>					
0.749" / 19.020mm	0.753" / 19.130mm	0.250" / 6.350mm	Fluoro-Elastomer	#	712021	0.669" / 17.000mm	0.679" / 17.250mm	0.157" / 4.000mm	Nitrile	32	11X17X4
0.686" / 17.420mm	0.690" / 17.530mm	0.313" / 7.950mm	Nitrile	#	712022	1.024" / 26.000mm	1.035" / 26.280mm	0.276" / 7.000mm	Nitrile	35	11X26X7
<b>0.315" / 8.000mm Shaft</b>						<b>0.408" / 10.360mm Shaft</b>					
0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	32	220818	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32	11X30X7
0.630" / 16.000mm	0.638" / 16.200mm	0.276" / 7.000mm	Nitrile	35	220860	0.866" / 22.000mm	0.875" / 22.230mm	0.276" / 7.000mm	Nitrile	35	221122
0.551" / 14.000mm	0.559" / 14.200mm	0.157" / 4.000mm	Nitrile	35	8X14X4	0.748" / 19.000mm	0.754" / 19.150mm	0.197" / 5.000mm	Polyacrylate	31	710545
0.630" / 16.000mm	0.639" / 16.230mm	0.276" / 7.000mm	Nitrile	35	8X16X7	<b>0.437" / 11.100mm Shaft</b>					
0.709" / 18.000mm	0.717" / 18.200mm	0.197" / 5.000mm	Nitrile	35	8X18X5	0.875" / 22.230mm	0.885" / 22.480mm	0.175" / 4.450mm	Nitrile	24	240470
0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	32	8X18X7	<b>0.437" / 11.100mm Shaft</b>					
0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	32	8X22X7	<b>0.437" / 11.100mm Shaft</b>					
0.945" / 24.000mm	0.956" / 24.280mm	0.276" / 7.000mm	Nitrile	35	8X24X7	<b>0.437" / 11.100mm Shaft</b>					
<b>0.354" / 9.000mm Shaft</b>						<b>0.437" / 11.100mm Shaft</b>					
0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	35	220918	<b>0.437" / 11.100mm Shaft</b>					
0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	35	9X18X7	<b>0.437" / 11.100mm Shaft</b>					
0.866" / 22.000mm	0.874" / 22.200mm	0.276" / 7.000mm	Nitrile	35	9X22X7	<b>0.437" / 11.100mm Shaft</b>					

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.437" / 11.100mm Shaft (Cont.)</b>						<b>0.500" / 12.700mm Shaft (Cont.)</b>					
0.624" / 15.850mm	0.633" / 16.080mm	0.125" / 3.180mm	Nitrile	34	343101	0.750" / 19.050mm	0.756" / 19.200mm	0.125" / 3.180mm	Nitrile	34	340847
0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47	470199	0.875" / 22.230mm	0.881" / 22.380mm	0.125" / 3.180mm	Nitrile	34	342613
0.875" / 22.230mm	0.880" / 22.350mm	0.250" / 6.350mm	Nitrile	47	472810	0.875" / 22.230mm	0.881" / 22.380mm	0.250" / 6.350mm	Nitrile	34	342614
1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	474277	0.687" / 17.450mm	0.693" / 17.600mm	0.093" / 2.360mm	Nitrile	34	342805
0.999" / 25.370mm	1.007" / 25.580mm	0.250" / 6.350mm	Nitrile	35	6863S	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	41	410119
<b>0.438" / 11.125mm Shaft</b>						1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	4S	41526S
0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	48	487512	0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	#	43080S
<b>0.463" / 11.750mm Shaft</b>						0.749" / 19.020mm	0.753" / 19.130mm	0.093" / 2.360mm	Nitrile	4S	43095S
0.736" / 18.700mm	0.744" / 18.900mm	0.232" / 5.900mm	Ethylene-Acrylic	#	710643	1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	45	450005
<b>0.468" / 11.890mm Shaft</b>						1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	47	470005
1.124" / 28.550mm	1.126" / 28.600mm	0.375" / 9.530mm	Nitrile	47	470004	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47	470119
<b>0.472" / 12.000mm Shaft</b>						0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	47	471442
0.748" / 19.000mm	0.756" / 19.200mm	0.197" / 5.000mm	Nitrile	32	12X19X5	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471442V
0.787" / 20.000mm	0.798" / 20.280mm	0.197" / 5.000mm	Nitrile	32	12X20X5	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471472
0.866" / 22.000mm	0.876" / 22.250mm	0.276" / 7.000mm	Nitrile	35	12X22X7	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	471526
0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32	12X24X7	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471526V
1.024" / 26.000mm	1.031" / 26.200mm	0.236" / 6.000mm	Nitrile	35	12X26X6	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471549
1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	35	12X28X7	1.378" / 35.000mm	1.382" / 35.100mm	0.406" / 10.310mm	Nitrile	47	472467
1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	12X32X7	0.875" / 22.225mm	0.879" / 22.327mm	0.250" / 6.350mm	Fluoroelastomer	47	477732
1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Nitrile	32	12X35X7	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	48	48144
0.866" / 22.000mm	0.876" / 22.250mm	0.276" / 7.000mm	Nitrile	35	221207	0.875" / 22.230mm	0.879" / 22.330mm	0.313" / 7.950mm	Nitrile	#	712019
<b>0.472" / 11.990mm Shaft</b>						0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	#	797713
1.000" / 25.400mm	1.006" / 25.550mm	0.375" / 9.530mm	Nitrile	32	320457	1.124" / 28.550mm	1.128" / 28.651mm	0.250" / 6.350mm	Fluoroelastomer	#	797715
<b>0.472" / 12.000mm Shaft</b>						0.751" / 19.080mm	0.756" / 19.200mm	0.192" / 4.880mm	Nitrile	31	8792S
0.748" / 19.000mm	0.757" / 19.230mm	0.295" / 7.500mm	Nitrile	97	710543	<b>0.512" / 13.000mm Shaft</b>					
0.748" / 19.000mm	0.757" / 19.230mm	0.295" / 7.500mm	Nitrile	97	710544	0.866" / 22.000mm	0.874" / 22.200mm	0.236" / 6.000mm	Nitrile	32	13X22X6
0.748" / 19.000mm	0.756" / 19.200mm	0.335" / 8.500mm	Ethylene-Acrylic	#	710947	1.024" / 26.000mm	1.031" / 26.200mm	0.276" / 7.000mm	Nitrile	32	13X26X7
0.709" / 18.000mm	0.713" / 18.100mm	0.236" / 6.000mm	Polyacrylate	32	711035	1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	32	13X28X7
<b>0.490" / 12.450mm Shaft</b>						1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32	13X30X7
0.875" / 22.230mm	0.883" / 22.430mm	0.250" / 6.350mm	Nitrile	34	340771	<b>0.516" / 38.500mm Shaft</b>					
1.122" / 28.500mm	1.132" / 28.750mm	0.265" / 6.730mm	Nitrile	35	351028	2.283" / 58.000mm	/	0.394" / 10.000mm	Polyacrylate	#	711009
<b>0.500" / 12.700mm Shaft</b>						<b>0.531" / 13.490mm Shaft</b>					
0.999" / 25.370mm	1.010" / 25.650mm	0.175" / 4.450mm	Nitrile	24	240119	1.124" / 28.550mm	1.128" / 28.650mm	0.312" / 7.920mm	Nitrile	47	471530
0.843" / 21.410mm	0.848" / 21.540mm	0.250" / 6.350mm	Nitrile	31	312196						
0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	33	330699						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.551" / 14.000mm Shaft</b>						<b>0.591" / 15.000mm Shaft (Cont.)</b>					
0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32	14X24X7	1.457" / 37.000mm	1.465" / 37.200mm	0.236" / 6.000mm	Nitrile	32	15X37X6
0.984" / 25.000mm	0.993" / 25.230mm	0.197" / 5.000mm	Nitrile	32	14X25X5	1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32	15X40X7
1.024" / 26.000mm	1.033" / 26.230mm	0.276" / 7.000mm	Nitrile	32	14X26X7	0.945" / 24.000mm	0.953" / 24.200mm	0.197" / 5.000mm	Nitrile	35	2027
1.063" / 27.000mm	1.071" / 27.200mm	0.276" / 7.000mm	Nitrile	32	14X27X7	0.984" / 25.000mm	0.994" / 25.250mm	0.236" / 6.000mm	Polyacrylate	32	221510
1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32	14X30X7	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	35	221540
1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	32	14X32X7	0.827" / 21.000mm	0.835" / 21.200mm	0.197" / 5.000mm	Nitrile	47	710714
1.378" / 35.000mm	1.387" / 35.220mm	0.276" / 7.000mm	Nitrile	32	14X35X7	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32	711029
0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	35	221410	0.827" / 21.000mm	0.833" / 21.150mm	0.157" / 4.000mm	Polyacrylate	32	711060
1.000" / 25.400mm	1.004" / 25.500mm	0.312" / 7.920mm	Nitrile	47	473546	<b>0.593" / 15.060mm Shaft</b>					
0.984" / 25.000mm	0.992" / 25.200mm	0.276" / 7.000mm	Polyacrylate	32	710116	0.935" / 23.750mm	0.943" / 23.950mm	0.175" / 4.450mm	Nitrile	34	340797
1.024" / 26.000mm	1.031" / 26.200mm	0.484" / 12.300mm	Nitrile	32	710782	1.124" / 28.550mm	1.128" / 28.650mm	0.312" / 7.920mm	Nitrile	47	471532
0.984" / 25.000mm	0.992" / 25.200mm	0.748" / 19.000mm	Polyacrylate	32	710820	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	471558
0.787" / 20.000mm	0.795" / 20.200mm	0.157" / 4.000mm	Ethylene-Acrylic	32	711014	1.250" / 31.750mm	1.254" / 31.850mm	0.312" / 7.920mm	Nitrile	47	473405
<b>0.562" / 14.270mm Shaft</b>						<b>0.610" / 15.490mm Shaft</b>					
0.810" / 20.570mm	0.814" / 20.680mm	0.187" / 4.750mm	Polyacrylate	31	313156	1.102" / 28.000mm	1.106" / 28.090mm	0.600" / 15.240mm	Fluoro-Elastomer	62	710274
0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	31	314259	<b>0.614" / 15.600mm Shaft</b>					
1.246" / 31.650mm	1.250" / 31.750mm	0.375" / 9.530mm	Nitrile	45	450536	0.999" / 25.370mm	1.006" / 25.550mm	0.250" / 6.350mm	Nitrile	34	340724
1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	471281	<b>0.621" / 15.770mm Shaft</b>					
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471535	1.024" / 26.000mm	1.031" / 26.200mm	0.252" / 6.400mm	Polyacrylate	32	710690
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471551	<b>0.625" / 15.880mm Shaft</b>					
1.000" / 25.400mm	1.004" / 25.500mm	0.250" / 6.350mm	Nitrile	47	472705	1.124" / 28.550mm	1.135" / 28.830mm	0.175" / 4.450mm	Nitrile	24	240009
1.000" / 25.400mm	1.004" / 25.500mm	0.250" / 6.350mm	Fluoro-Elastomer	47	472705V	1.375" / 34.930mm	1.385" / 35.180mm	0.175" / 4.450mm	Nitrile	24	240023
<b>0.562" / 14.250mm Shaft</b>						0.875" / 22.230mm	0.880" / 22.350mm	0.125" / 3.180mm	Nitrile	25	253747
1.004" / 25.500mm	1.008" / 25.600mm	0.254" / 6.450mm	Polyacrylate	47	718610	1.000" / 25.400mm	1.005" / 25.530mm	0.125" / 3.180mm	Polyacrylate	31	314267N
<b>0.591" / 15.000mm Shaft</b>						1.124" / 28.550mm	1.130" / 28.700mm	0.250" / 6.350mm	Nitrile	34	340009S
0.984" / 25.000mm	0.992" / 25.200mm	0.197" / 5.000mm	Nitrile	32	15X25X5	0.812" / 20.620mm	0.820" / 20.830mm	0.093" / 2.360mm	Nitrile	34	340387
0.984" / 25.000mm	0.994" / 25.250mm	0.236" / 6.000mm	Polyacrylate	32	15X25X6	0.875" / 22.230mm	0.883" / 22.430mm	0.093" / 2.360mm	Nitrile	34	340849
0.984" / 25.000mm	0.992" / 25.200mm	0.276" / 7.000mm	Nitrile	35	15X25X7	0.936" / 23.770mm	0.942" / 23.930mm	0.187" / 4.750mm	Polyacrylate	34	343105
1.024" / 26.000mm	1.033" / 26.230mm	0.276" / 7.000mm	Nitrile	32	15X26X7	1.124" / 28.550mm	1.130" / 28.700mm	0.250" / 6.350mm	Nitrile	35	351466
1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	32	15X28X7	0.999" / 25.370mm	1.005" / 25.530mm	0.250" / 6.350mm	Nitrile	35	351487
1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	15X30X7	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	4S	41264S
1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	15X32X7	1.246" / 31.650mm	1.250" / 31.750mm	0.375" / 9.530mm	Nitrile	45	450535
1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	32	15X32X8	1.377" / 34.980mm	1.381" / 35.080mm	0.406" / 10.310mm	Nitrile	47	470557
1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	15X35X7	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471255
						1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471255K

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.625" / 15.880mm Shaft (Cont.)</b>						<b>0.630" / 16.000mm Shaft (Cont.)</b>					
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471255V	0.984" / 25.000mm	0.992" / 25.200mm	0.197" / 5.000mm	Nitrile	32	710862
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471264	0.984" / 25.000mm	0.992" / 25.200mm	0.236" / 6.000mm	Nitrile	#	710970
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471264V	0.945" / 24.000mm	0.949" / 24.100mm	0.236" / 6.000mm	Nitrile	48	711043
1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	471466	1.762" / 44.750mm	1.770" / 44.960mm	0.354" / 9.000mm	Fluoro-Elastomer	34	714616
1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471466V	<b>0.656" / 16.660mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471564	1.250" / 31.750mm	1.258" / 31.950mm	0.250" / 6.350mm	Nitrile	34	340469
1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47	471612	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48	481073
1.624" / 41.250mm	1.628" / 41.350mm	0.312" / 7.920mm	Nitrile	47	471653	1.575" / 40.010mm	1.579" / 40.110mm	0.250" / 6.350mm	Nitrile	48	481397
<b>0.625" / 15.875mm Shaft</b>						1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	48	481528
1.850" / 46.990mm	1.855" / 47.117mm	0.276" / 7.010mm	Fluoroelastomer	47	477709	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	48	481537
0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	47	477728	<b>0.668" / 16.970mm Shaft</b>					
<b>0.625" / 15.880mm Shaft</b>						1.187" / 30.150mm	1.191" / 30.250mm	0.185" / 4.700mm	Nitrile	48	481481
1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	48	481466	<b>0.669" / 17.000mm Shaft</b>					
1.625" / 41.280mm	1.629" / 41.380mm	0.250" / 6.350mm	Nitrile	48	484114	1.063" / 27.000mm	1.071" / 27.200mm	0.276" / 7.000mm	Nitrile	32	17X27X7
1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	#	712024	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Nitrile	35	17X28X7
0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	33	7188S	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	17X30X7
0.937" / 23.800mm	0.945" / 24.000mm	0.187" / 4.750mm	Nitrile	24	7399S	1.260" / 32.000mm	1.269" / 32.220mm	0.276" / 7.000mm	Nitrile	32	17X32X7
<b>0.626" / 15.900mm Shaft</b>						1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	35	17X35X7
2.205" / 56.000mm	2.213" / 56.200mm	0.256" / 6.500mm	Fluoro-Elastomer	32	710261	1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	35	17X35X8
<b>0.630" / 16.000mm Shaft</b>						1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	17X37X7
0.866" / 22.000mm	0.874" / 22.200mm	0.157" / 4.000mm	Nitrile	32	16X22X4	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	17X38X7
0.945" / 24.000mm	0.953" / 24.200mm	0.197" / 5.000mm	Nitrile	35	16X24X5	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	17X40X7
0.945" / 24.000mm	0.953" / 24.200mm	0.236" / 6.000mm	Nitrile	32	16X24X6	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	17X47X7
1.024" / 26.000mm	1.031" / 26.200mm	0.276" / 7.000mm	Nitrile	32	16X26X7	1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Nitrile	32	17X47X8
1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Nitrile	32	16X28X7	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Polyacrylate	35	221710
1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	16X30X7	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 8.000mm	Nitrile	32	221720
1.260" / 32.000mm	1.271" / 32.280mm	0.276" / 7.000mm	Nitrile	32	16X32X7	1.260" / 32.000mm	1.269" / 32.220mm	0.276" / 7.000mm	Nitrile	35	221730
1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	16X35X7	1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	35	221735
1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	35	16X38X7	1.339" / 34.000mm	1.343" / 34.100mm	0.311" / 7.900mm	Polyacrylate	47	710251
1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32	16X40X7	0.819" / 20.800mm	0.823" / 20.900mm	0.122" / 3.100mm	Nitrile	44	710361
1.063" / 27.000mm	1.071" / 27.200mm	0.551" / 14.000mm	Polyacrylate	35	221607	0.984" / 25.000mm	0.988" / 25.100mm	0.197" / 5.000mm	Nitrile	49	710362
1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Polyacrylate	32	221610	<b>0.687" / 17.450mm Shaft</b>					
1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	35	221620	1.375" / 34.930mm	1.379" / 35.030mm	0.406" / 10.310mm	Nitrile	45	450025
1.063" / 27.000mm	1.071" / 27.200mm	0.236" / 6.000mm	Polyacrylate	35	710679	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	471529

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.687" / 17.450mm Shaft (Cont.)</b>						<b>0.742" / 18.850mm Shaft</b>					
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471538	1.063" / 27.000mm	1.067" / 27.100mm	0.187" / 4.750mm	Nitrile	33	7929S
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471553	<b>0.748" / 19.000mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	47	471579	1.063" / 27.000mm	1.071" / 27.200mm	0.236" / 6.000mm	Nitrile	35	19X27X6
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471642	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32	19X30X7
1.187" / 30.150mm	1.191" / 30.250mm	0.187" / 4.750mm	Nitrile	47	474261	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	19X32X7
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	25	8773S	1.260" / 32.000mm	1.268" / 32.200mm	0.315" / 8.000mm	Nitrile	32	19X32X8
<b>0.689" / 17.500mm Shaft</b>						1.575" / 40.000mm	1.584" / 40.230mm	0.394" / 10.000mm	Nitrile	35	19X40X10
1.083" / 27.500mm	1.091" / 27.700mm	0.276" / 7.000mm	Polyacrylate	32	710299	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	32	19X47X7
0.945" / 24.000mm	0.953" / 24.200mm	0.217" / 5.500mm	Ethylene-Acrylic	32	710753	1.260" / 32.000mm	1.268" / 32.200mm	0.315" / 8.000mm	Nitrile	32	221922
<b>0.690" / 17.530mm Shaft</b>						1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	710154
0.997" / 25.320mm	1.003" / 25.480mm	0.295" / 7.490mm	Nitrile	271	3667	1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	35	710445
<b>0.709" / 18.000mm Shaft</b>						1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Polyacrylate	32	710805
1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	18X30X7	<b>0.750" / 19.050mm Shaft</b>					
1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	18X32X7	1.125" / 28.580mm	1.129" / 28.680mm	0.250" / 6.350mm	Nitrile	33	1049
1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	32	18X32X8	1.250" / 31.750mm	1.254" / 31.850mm	0.280" / 7.110mm	Nitrile	274	2287
1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	32	18X35X7	0.999" / 25.370mm	1.010" / 25.650mm	0.156" / 3.960mm	Nitrile	24	240735
1.457" / 37.000mm	1.465" / 37.200mm	0.315" / 8.000mm	Nitrile	32	18X37X8	1.062" / 26.970mm	1.072" / 27.230mm	0.187" / 4.750mm	Nitrile	24	240816
1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	18X38X7	1.124" / 28.550mm	1.129" / 28.680mm	0.187" / 4.750mm	Nitrile	25	254270
1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	32	18X40X7	1.000" / 25.400mm	1.005" / 25.530mm	0.125" / 3.180mm	Nitrile	31	312518
1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Polyacrylate	32	221820	1.124" / 28.550mm	1.133" / 28.780mm	0.250" / 6.350mm	Nitrile	34	340495
1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	35	221830	1.125" / 28.580mm	1.131" / 28.730mm	0.156" / 3.960mm	Nitrile	34	343185
1.181" / 30.000mm	1.264" / 32.100mm	0.295" / 7.500mm	Nitrile	32	710156	1.250" / 31.750mm	1.256" / 31.900mm	0.250" / 6.350mm	Nitrile	35	350954
1.024" / 26.000mm	1.028" / 26.100mm	0.157" / 4.000mm	Nitrile	98	710222	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	4S	40027S
0.906" / 23.000mm	0.913" / 23.200mm	0.157" / 4.000mm	Nitrile	34	710297	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	45	450340
1.339" / 34.000mm	1.346" / 34.200mm	0.315" / 8.000mm	Nitrile	32	710412	1.375" / 34.930mm	1.379" / 35.030mm	0.406" / 10.310mm	Nitrile	47	470027
<b>0.718" / 18.240mm Shaft</b>						1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	47	470141
1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	47	470506	1.624" / 41.250mm	1.628" / 41.350mm	0.437" / 11.100mm	Nitrile	47	470211
1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Leather	5L	50405	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	470390
<b>0.735" / 18.670mm Shaft</b>						1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	470895
1.248" / 31.700mm	1.252" / 31.800mm	0.250" / 6.350mm	Nitrile	47	472878	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	470954
<b>0.736" / 18.700mm Shaft</b>						1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	47	470954V
1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Polyacrylate	32	710272	1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47	471498
<b>0.737" / 18.720mm Shaft</b>						1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471554
1.375" / 34.930mm	1.379" / 35.030mm	0.343" / 8.710mm	Nitrile	47	473416	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471554V

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.750" / 19.050mm Shaft (Cont.)</b>						<b>0.787" / 20.000mm Shaft (Cont.)</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471567	1.181" / 30.000mm	1.189" / 30.200mm	0.197" / 5.000mm	Nitrile	35	20X30X5
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471643	1.260" / 32.000mm	1.269" / 32.230mm	0.276" / 7.000mm	Nitrile	32	20X32X7
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471684	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	20X35X7
1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471698	1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Nitrile	32	20X36X7
2.127" / 54.030mm	2.131" / 54.130mm	0.250" / 6.350mm	Nitrile	47	472538	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	20X37X7
2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	472649	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	20X38X7
1.783" / 45.290mm	1.787" / 45.390mm	0.250" / 6.350mm	Nitrile	47	473196	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	20X40X7
1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47	473406	1.654" / 42.000mm	1.659" / 42.150mm	0.394" / 10.000mm	Nitrile	45	20X42X10
1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47	473407	1.654" / 42.000mm	1.663" / 42.250mm	0.276" / 7.000mm	Nitrile	32	20X42X7
1.302" / 33.070mm	1.306" / 33.170mm	0.250" / 6.350mm	Nitrile	47	474131	1.850" / 47.000mm	1.859" / 47.220mm	0.276" / 7.000mm	Nitrile	32	20X47X7
1.312" / 33.325mm	1.316" / 33.426mm	0.250" / 6.350mm	Nitrile	47	477704	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	20X52X7
1.752" / 44.501mm	1.756" / 44.602mm	0.250" / 6.350mm	Fluoroelastomer	47	477706	1.260" / 32.000mm	1.269" / 32.230mm	0.197" / 5.000mm	Nitrile	35	222020
1.312" / 33.320mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	48	480821	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Polyacrylate	32	222025
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	48	480954	1.339" / 34.000mm	1.348" / 34.250mm	0.276" / 7.000mm	Nitrile	32	222028
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	48	480954V	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	222030
1.250" / 31.750mm	1.254" / 31.850mm	0.312" / 7.920mm	Nitrile	33	6835S	1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	222036
1.311" / 33.300mm	1.315" / 33.400mm	0.312" / 7.920mm	Nitrile	25	7013S	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35	222050
1.000" / 25.400mm	1.008" / 25.600mm	0.225" / 5.720mm	Polyacrylate	#	710597	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	222060
1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	#	712014	1.260" / 32.000mm	1.268" / 32.210mm	0.197" / 5.000mm	Polyacrylate	32	710450
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	#	712027	1.024" / 26.000mm	1.031" / 26.200mm	0.177" / 4.500mm	Fluoro-Elastomer	32	710809
1.031" / 26.190mm	1.035" / 26.290mm	0.313" / 7.950mm	Nitrile	49	7214	1.378" / 35.000mm	1.387" / 35.230mm	0.217" / 5.500mm	Nitrile	32	711040
1.124" / 28.550mm	1.128" / 28.650mm	0.188" / 4.780mm	Nitrile	48	7750	<b>0.812" / 20.620mm Shaft</b>					
<b>0.781" / 19.840mm Shaft</b>						1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	45	450030
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470034	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	45	450431
1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	470601	1.575" / 40.010mm	1.579" / 40.110mm	0.375" / 9.530mm	Nitrile	45	450588
1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471337	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	47	470515
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471443	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	471231
1.828" / 46.430mm	1.833" / 46.560mm	0.250" / 6.350mm	Nitrile	47	474273	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Fluoro-Elastomer	47	471231V
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48	481443	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471539
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	48	481443V	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471645
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	48	481568	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471645V
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	48	481644	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471686
<b>0.787" / 20.000mm Shaft</b>						1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471729
1.102" / 28.000mm	1.110" / 28.200mm	0.236" / 6.000mm	Nitrile	32	20X28X6						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.812" / 20.620mm Shaft (Cont.)</b>						<b>0.875" / 22.230mm Shaft (Cont.)</b>					
2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	472950	1.187" / 30.150mm	1.193" / 30.300mm	0.187" / 4.750mm	Nitrile	34	340850
1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47	473412	1.375" / 34.930mm	1.385" / 35.180mm	0.312" / 7.920mm	Nitrile	35	350567
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	474253	1.375" / 34.930mm	1.381" / 35.080mm	0.250" / 6.350mm	Nitrile	35	351267
1.312" / 33.320mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	48	480889	1.308" / 33.220mm	1.314" / 33.380mm	0.250" / 6.350mm	Nitrile	35	353132
1.250" / 31.750mm	1.254" / 31.850mm	0.254" / 6.450mm	Fluoro-Elastomer	47	8609	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	PTFE	94	38832
<b>0.827" / 21.000mm Shaft</b>						<b>0.875" / 22.230mm Shaft (Cont.)</b>					
1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Nitrile	32	21X35X7	1.375" / 34.930mm	1.379" / 35.030mm	0.187" / 4.750mm	Nitrile	44	440131
1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	32	21X35X8	1.374" / 34.900mm	1.378" / 35.000mm	0.406" / 10.310mm	Nitrile	47	470398
<b>0.843" / 21.410mm Shaft</b>						<b>0.875" / 22.230mm Shaft (Cont.)</b>					
1.374" / 34.900mm	1.378" / 35.000mm	0.312" / 7.920mm	Nitrile	47	472452	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	470567
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	473413	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Polyacrylate	47	470567N
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	473414	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	470590
1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Nitrile	47	473415	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	470645
<b>0.860" / 21.840mm Shaft</b>						<b>0.875" / 22.230mm Shaft (Cont.)</b>					
1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Polyacrylate	48	482069N	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	470680
<b>0.866" / 22.000mm Shaft</b>						<b>0.875" / 22.230mm Shaft (Cont.)</b>					
1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Nitrile	32	222238	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47	471137
1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35	222240	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471267
1.220" / 31.000mm	1.228" / 31.200mm	0.236" / 6.000mm	Nitrile	32	22X31X6	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471267V
1.260" / 32.000mm	1.269" / 32.230mm	0.276" / 7.000mm	Nitrile	32	22X32X7	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471570
1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	22X35X7	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471570V
1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Nitrile	32	22X36X7	1.577" / 40.060mm	1.581" / 40.160mm	0.250" / 6.350mm	Nitrile	47	471633
1.457" / 37.000mm	1.466" / 37.230mm	0.276" / 7.000mm	Nitrile	35	22X37X7	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471646
1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	35	22X38X7	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471730
1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Nitrile	32	22X38X8	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48	481267
1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	22X40X7	<b>0.875" / 22.225mm Shaft</b>					
1.654" / 42.000mm	1.661" / 42.200mm	0.394" / 10.000mm	Nitrile	35	22X42X10	1.250" / 31.750mm	1.254" / 31.852mm	0.250" / 6.350mm	Fluoroelastomer	48	487529
1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	22X42X7	<b>0.875" / 22.230mm Shaft</b>					
1.772" / 45.000mm	1.781" / 45.230mm	0.276" / 7.000mm	Nitrile	35	22X45X7	1.245" / 31.620mm	1.256" / 31.900mm	0.187" / 4.750mm	Nitrile	34	5976S
1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	32	22X50X8	1.254" / 31.850mm	1.260" / 32.000mm	0.205" / 5.210mm	Nitrile	4S	7014S
<b>0.875" / 22.230mm Shaft</b>						<b>0.875" / 22.230mm Shaft</b>					
1.124" / 28.550mm	1.135" / 28.830mm	0.125" / 3.180mm	Nitrile	24	240733	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	#	712015
1.250" / 31.750mm	1.255" / 31.880mm	0.250" / 6.350mm	Nitrile	25	254287	1.436" / 36.470mm	1.441" / 36.600mm	0.256" / 6.500mm	Nitrile	48	712270
1.308" / 33.220mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	34	340413	1.249" / 31.720mm	1.254" / 31.850mm	0.187" / 4.750mm	Nitrile	31	7840S
1.250" / 31.750mm	1.256" / 31.900mm	0.250" / 6.350mm	Nitrile	34	340483	<b>0.875" / 22.225mm Shaft</b>					
<b>0.875" / 22.230mm Shaft</b>						<b>0.875" / 22.225mm Shaft</b>					
1.497" / 38.024mm	1.501" / 38.125mm	0.313" / 7.950mm	Fluoroelastomer	#	797711	1.250" / 31.750mm	1.254" / 31.852mm	0.250" / 6.350mm	Fluoroelastomer	#	797714
<b>0.905" / 23.000mm Shaft</b>						<b>0.905" / 23.000mm Shaft</b>					
1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Polyacrylate	32	222340						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.905" / 23.000mm Shaft (Cont.)</b>						<b>0.968" / 24.590mm Shaft (Cont.)</b>					
1.260" / 32.000mm	1.268" / 32.200mm	0.217" / 5.500mm	Nitrile	34	710254	1.575" / 40.010mm	1.579" / 40.110mm	0.375" / 9.530mm	Nitrile	45	450545
<b>0.906" / 23.010mm Shaft</b>						<b>0.968" / 24.590mm Shaft (Cont.)</b>					
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450038	1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	45	451082
1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	47	470207	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	45	451583
<b>0.937" / 23.800mm Shaft</b>						<b>0.968" / 24.590mm Shaft (Cont.)</b>					
1.375" / 34.930mm	1.383" / 35.130mm	0.250" / 6.350mm	Nitrile	34	340787	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Fluoro-Elastomer	45	451583V
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450039	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471648
1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	471015	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471688
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471571	2.440" / 61.980mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	472238
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471571V	1.850" / 47.000mm	1.854" / 47.090mm	0.375" / 9.530mm	Nitrile	48	482309
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471647	2.048" / 52.020mm	2.052" / 52.120mm	0.375" / 9.530mm	Nitrile	48	482310
1.750" / 44.450mm	1.754" / 44.550mm	0.312" / 7.920mm	Nitrile	47	472951	1.500" / 38.100mm	1.507" / 38.280mm	0.187" / 4.750mm	Nitrile	34	6324S
1.850" / 47.000mm	1.854" / 47.090mm	0.312" / 7.920mm	Nitrile	47	474235	1.686" / 42.820mm	1.690" / 42.930mm	0.312" / 7.920mm	Nitrile	25	8059S
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	474252	<b>0.984" / 25.000mm Shaft</b>					
<b>0.942" / 23.930mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
2.097" / 53.260mm	2.109" / 53.570mm	0.938" / 23.830mm	Polyacrylate	#	4462N	1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32	222535
<b>0.945" / 24.000mm Shaft</b>						<b>0.984" / 24.990mm Shaft</b>					
1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	35	222410	1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	47	222540
1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35	222430	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Nitrile	32	222558
1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	24X35X7	<b>0.984" / 25.000mm Shaft</b>					
1.457" / 37.000mm	1.466" / 37.230mm	0.276" / 7.000mm	Nitrile	35	24X37X7	1.378" / 35.000mm	1.386" / 35.200mm	0.236" / 6.000mm	Nitrile	32	25X35X6
1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	24X38X7	1.417" / 36.000mm	1.426" / 36.230mm	0.276" / 7.000mm	Nitrile	32	25X36X7
1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	24X40X7	1.417" / 36.000mm	1.426" / 36.220mm	0.315" / 8.000mm	Nitrile	32	25X36X8
1.654" / 42.000mm	1.663" / 42.250mm	0.394" / 10.000mm	Nitrile	32	24X42X10	1.457" / 37.000mm	1.466" / 37.230mm	0.197" / 5.000mm	Nitrile	32	25X37X5
1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	24X42X7	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	25X37X7
1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	32	24X47X7	1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32	25X38X7
2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	24X52X7	1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	32	25X40X7
<b>0.945" / 24.003mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
2.441" / 62.001mm	2.446" / 62.128mm	0.315" / 8.001mm	Fluoroelastomer	47	477707	1.654" / 42.000mm	1.661" / 42.200mm	0.236" / 6.000mm	Nitrile	32	25X42X6
<b>0.965" / 24.500mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
1.614" / 41.000mm	1.622" / 41.200mm	0.236" / 6.000mm	Ethylene-Acrylic	32	710974	1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	32	25X42X8
<b>0.968" / 24.590mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L	40208	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Nitrile	32	25X45X8
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450040	1.811" / 46.000mm	1.819" / 46.200mm	0.276" / 7.000mm	Nitrile	32	25X46X7
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45	450339	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	32	25X47X7
<b>0.968" / 24.590mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L	40208	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	25X48X8
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450040	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	32	25X50X8
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45	450339	2.047" / 52.000mm	2.058" / 52.270mm	0.276" / 7.000mm	Nitrile	32	25X52X7
<b>0.968" / 24.590mm Shaft</b>						<b>0.984" / 25.000mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L	40208	2.047" / 52.000mm	2.055" / 52.200mm	0.315" / 8.000mm	Nitrile	35	25X52X8
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450040						
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45	450339						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>0.984" / 25.000mm Shaft (Cont.)</b>						<b>1.000" / 25.400mm Shaft (Cont.)</b>					
2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	32	25X62X7	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	PTFE	W	39910
1.457" / 37.000mm	1.467" / 37.260mm	0.276" / 7.000mm	Nitrile	32	320603	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L	40120
1.614" / 41.000mm	1.618" / 41.090mm	0.315" / 8.000mm	PTFE	W-H	39867	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	40157S
<b>0.984" / 24.990mm Shaft</b>						<b>1.000" / 25.400mm Shaft (Cont.)</b>					
1.499" / 38.070mm	1.504" / 38.200mm	0.250" / 6.350mm	Fluoro-Elastomer	#	4458V	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	4S	40230S
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450457	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Nitrile	4S	42311S
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45	450693	1.375" / 34.930mm	1.379" / 35.030mm	0.187" / 4.750mm	Nitrile	44	441130
1.575" / 40.010mm	1.579" / 40.110mm	0.374" / 9.500mm	Fluoro-Elastomer	45	450908V	1.828" / 46.430mm	1.832" / 46.530mm	0.296" / 7.520mm	Nitrile	45	450593
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	472324	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	45	453165
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	472324V	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470041
<b>0.984" / 25.000mm Shaft</b>						<b>1.000" / 25.400mm Shaft (Cont.)</b>					
1.575" / 40.000mm	1.583" / 40.200mm	0.315" / 8.000mm	Nitrile	32	710316	1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	47	470120
1.614" / 41.000mm	1.622" / 41.200mm	0.315" / 8.000mm	Polyacrylate	32	710729	1.624" / 41.250mm	1.628" / 41.350mm	0.437" / 11.100mm	Nitrile	47	470219
1.555" / 39.500mm	1.563" / 39.700mm	0.315" / 8.000mm	Ethylene-Acrylic	32	710844	1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Nitrile	47	470230
1.378" / 35.000mm	1.388" / 35.250mm	0.276" / 6.000mm	Silicone	32	712007	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	47	470553
1.752" / 44.500mm	1.756" / 44.600mm	0.313" / 7.950mm	Fluoro-Elastomer	#	712012	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471224
1.596" / 40.540mm	1.601" / 40.666mm	0.250" / 6.350mm	Nitrile	#	712018	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471224V
<b>0.996" / 25.300mm Shaft</b>						<b>1.000" / 25.400mm Shaft (Cont.)</b>					
1.508" / 38.300mm	1.516" / 38.500mm	0.315" / 8.000mm	Ethylene-Acrylic	#	710857	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Nitrile	47	471270
<b>1.000" / 25.400mm Shaft</b>						<b>1.000" / 25.400mm Shaft (Cont.)</b>					
1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	203	203005	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471270V
1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	204	204005	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471516
1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Felt	205	205005	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471619
1.437" / 36.500mm	1.447" / 36.750mm	0.187" / 4.750mm	Nitrile	24	240414	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471649
1.936" / 49.170mm	1.948" / 49.480mm	0.187" / 4.750mm	Nitrile	24	240462	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471649V
1.250" / 31.750mm	1.260" / 32.000mm	0.125" / 3.180mm	Nitrile	24	240731	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471689
1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	25	252277	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471689V
2.441" / 62.000mm	2.447" / 62.150mm	0.375" / 9.530mm	Nitrile	32	321516	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471733
1.499" / 38.070mm	1.507" / 38.280mm	0.250" / 6.350mm	Nitrile	34	340120	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47	471744
1.250" / 31.750mm	1.254" / 31.850mm	0.125" / 3.180mm	Nitrile	34	340731	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471760
1.312" / 33.320mm	1.318" / 33.480mm	0.125" / 3.180mm	Nitrile	34	342517	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471760V
1.563" / 39.700mm	1.569" / 39.850mm	0.187" / 4.750mm	Nitrile	34	343123	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	472138
1.437" / 36.500mm	1.445" / 36.700mm	0.250" / 6.350mm	Nitrile	35	350414	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Nitrile	47	472311
1.502" / 38.150mm	1.510" / 38.350mm	0.312" / 7.920mm	Nitrile	35	350909	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	472311V
						2.533" / 64.340mm	2.537" / 64.440mm	0.250" / 6.350mm	Nitrile	47	472539
						1.575" / 40.010mm	1.579" / 40.110mm	0.250" / 6.350mm	Nitrile	47	473380
						1.686" / 42.820mm	1.690" / 42.930mm	0.250" / 6.350mm	Nitrile	47	474250

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.000" / 25.400mm Shaft (Cont.)</b>						<b>1.062" / 26.970mm Shaft</b>					
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	48	481224V	1.575" / 40.010mm	1.581" / 40.160mm	0.250" / 6.350mm	Nitrile	48	3732S
1.375" / 34.925mm	1.379" / 35.027mm	0.250" / 6.350mm	Fluoroelastomer	48	487508	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450043
2.250" / 57.150mm	2.254" / 57.252mm	0.250" / 6.350mm	Nitrile	48	487531	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	45	450188
1.851" / 47.015mm	1.855" / 47.117mm	0.250" / 6.350mm	Nitrile	48	487538	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	45	450342
1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Felt	29	5857	1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	47	470606
1.250" / 31.750mm	1.254" / 31.850mm	0.536" / 13.610mm	Nitrile	#	6847S	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471651
1.752" / 44.500mm	1.756" / 44.600mm	0.313" / 7.950mm	Nitrile	#	712013	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471705
1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	#	712016	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471735
1.499" / 38.075mm	1.503" / 38.176mm	0.250" / 6.350mm	Fluoroelastomer	#	797703	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471762
<b>1.004" / 25.500mm Shaft</b>						<b>1.063" / 27.000mm Shaft</b>					
1.516" / 38.500mm	1.524" / 38.700mm	0.335" / 8.500mm	Nitrile	35	710303	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	472953
1.476" / 37.500mm	1.484" / 37.700mm	0.217" / 5.500mm	Fluoro-Elastomer	32	710553	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Fluoro-Elastomer	47	472953V
<b>1.024" / 26.000mm Shaft</b>						<b>1.063" / 27.000mm Shaft</b>					
1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Polyacrylate	32	222630	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47	473419
1.890" / 48.000mm	1.899" / 48.230mm	0.276" / 7.000mm	Nitrile	32	222655	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47	473420
1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	26X37X7	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	48	480210
1.496" / 38.000mm	1.504" / 38.200mm	0.197" / 5.000mm	Nitrile	32	26X38X5	<b>1.063" / 27.000mm Shaft</b>					
1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32	26X40X7	1.693" / 43.000mm	1.703" / 43.250mm	0.354" / 9.000mm	Polyacrylate	32	1990
1.654" / 42.000mm	1.663" / 42.230mm	0.394" / 10.000mm	Nitrile	32	26X42X10	1.654" / 42.000mm	1.657" / 42.100mm	0.276" / 7.000mm	Fluoro-Elastomer	48	222742
1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	26X42X7	1.693" / 43.000mm	1.701" / 43.200mm	0.354" / 9.000mm	Silicone	32	222743
1.890" / 48.000mm	1.899" / 48.230mm	0.276" / 7.000mm	Nitrile	32	26X48X7	1.772" / 45.000mm	1.781" / 45.250mm	0.354" / 9.000mm	Polyacrylate	32	222745
2.047" / 52.000mm	2.055" / 52.200mm	0.315" / 8.000mm	Nitrile	32	26X52X8	1.457" / 37.000mm	1.463" / 37.150mm	0.276" / 7.000mm	Nitrile	35	27X37X7
1.654" / 42.000mm	1.662" / 42.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710399	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35	27X42X7
1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710816	1.693" / 43.000mm	1.701" / 43.200mm	0.315" / 8.000mm	Nitrile	32	27X43X8
1.476" / 37.500mm	1.484" / 37.700mm	0.236" / 6.000mm	Fluoro-Elastomer	32	710935	1.772" / 45.000mm	1.781" / 45.250mm	0.315" / 8.000mm	Nitrile	35	27X45X8
<b>1.031" / 26.190mm Shaft</b>						<b>1.093" / 27.760mm Shaft</b>					
1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47	471076	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450044
1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	48	481650	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45	450159
<b>1.043" / 26.500mm Shaft</b>						<b>1.100" / 27.940mm Shaft</b>					
1.732" / 44.000mm	1.748" / 44.400mm	0.315" / 8.000mm	Nitrile	32	710153	1.572" / 39.930mm	1.578" / 40.080mm	0.308" / 7.820mm	Polyacrylate	48	2503N
<b>1.055" / 26.800mm Shaft</b>											
1.500" / 38.100mm	1.504" / 38.200mm	0.268" / 6.810mm	Nitrile	68	9376						
<b>1.060" / 26.930mm Shaft</b>											
1.750" / 44.460mm	1.758" / 44.660mm	0.252" / 6.400mm	Polyacrylate	32	710728						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.102" / 28.000mm Shaft</b>						<b>1.125" / 28.580mm Shaft (Cont.)</b>					
1.575" / 40.000mm	1.588" / 40.340mm	0.276" / 7.000mm	Nitrile	33	222820	1.561" / 39.650mm	1.569" / 39.850mm	0.250" / 6.350mm	Nitrile	34	340151
1.614" / 41.000mm	1.625" / 41.270mm	0.276" / 7.000mm	Polyacrylate	32	222830	1.494" / 37.950mm	1.505" / 38.230mm	0.250" / 6.350mm	Nitrile	34	340815
1.732" / 44.000mm	1.740" / 44.200mm	0.236" / 6.000mm	Polyacrylate	32	222835	1.375" / 34.930mm	1.381" / 35.080mm	0.125" / 3.180mm	Nitrile	34	340835
1.850" / 47.000mm	1.859" / 47.220mm	0.315" / 8.000mm	Polyacrylate	32	222860	1.850" / 47.000mm	1.859" / 47.220mm	0.312" / 7.920mm	Nitrile	35	350974
1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32	28X38X7	1.561" / 39.650mm	1.567" / 39.800mm	0.250" / 6.350mm	Nitrile	35	352560
1.575" / 40.000mm	1.585" / 40.260mm	0.276" / 7.000mm	Nitrile	32	28X40X7	1.624" / 41.250mm	1.628" / 41.350mm	0.190" / 4.830mm	Polyacrylate	48	3638
1.654" / 42.000mm	1.663" / 42.230mm	0.315" / 8.000mm	Nitrile	35	28X42X8	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	450332
1.732" / 44.000mm	1.741" / 44.230mm	0.236" / 6.000mm	Polyacrylate	32	28X44X6	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450430
1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32	28X45X8	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	45	450604
1.850" / 47.000mm	1.859" / 47.220mm	0.276" / 7.000mm	Nitrile	32	28X47X7	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470045
1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	28X48X8	1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Nitrile	47	470189
2.047" / 52.000mm	2.056" / 52.230mm	0.276" / 7.000mm	Nitrile	32	28X52X7	1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	47	470236
1.614" / 41.000mm	1.618" / 41.100mm	0.315" / 8.000mm	PTFE	#	39869	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470241
1.693" / 43.000mm	1.702" / 43.230mm	0.315" / 8.000mm	Polyacrylate	32	710119	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	470712
1.693" / 43.000mm	1.702" / 43.230mm	0.276" / 7.000mm	Nitrile	32	710157	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	470712K
1.575" / 40.000mm	1.583" / 40.200mm	0.315" / 8.000mm	Nitrile	32	710325	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47	470712V
1.398" / 35.500mm	1.406" / 35.700mm	0.205" / 5.200mm	Fluoro-Elastomer	36	710671	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471652
1.457" / 37.000mm	1.465" / 37.200mm	0.768" / 19.500mm	Polyacrylate	32	710821	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471652K
1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32	711025	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471652V
1.575" / 40.000mm	1.583" / 40.200mm	0.354" / 9.000mm	Fluoro-Elastomer	47	711119	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471692
1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Silicone	32	712008	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471692V
1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	713087	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47	471747
<b>1.125" / 28.580mm Shaft</b>						2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471763
1.500" / 38.100mm	1.504" / 38.200mm	0.250" / 6.350mm	Nitrile	35	1037	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471763V
1.937" / 49.200mm	1.942" / 49.330mm	0.562" / 14.270mm	Nitrile	203	203003	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471785
1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	203	203020	2.533" / 64.340mm	2.537" / 64.440mm	0.250" / 6.350mm	Nitrile	47	472535
1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	204	204020	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Polyacrylate	47	472560N
1.780" / 45.210mm	1.785" / 45.340mm	0.250" / 6.350mm	Nitrile	204	204505	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	472644
1.937" / 49.200mm	1.942" / 49.330mm	0.625" / 15.880mm	Felt	205	205004	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472644V
1.561" / 39.650mm	1.572" / 39.930mm	0.187" / 4.750mm	Nitrile	24	240151	1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47	472674
1.502" / 38.150mm	1.506" / 38.250mm	0.250" / 6.350mm	Nitrile	31	312140	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	472681
1.438" / 36.530mm	1.444" / 36.680mm	0.215" / 5.460mm	Nitrile	31	313842	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Fluoro-Elastomer	47	472681V
1.781" / 45.240mm	1.787" / 45.390mm	0.406" / 10.310mm	Nitrile	32	323133	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	472954

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.125" / 28.580mm Shaft (Cont.)</b>						<b>1.175" / 29.850mm Shaft</b>					
2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Fluoro-Elastomer	47	472954V	1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Polyacrylate	48	483054N
2.441" / 62.000mm	2.445" / 62.100mm	0.250" / 6.350mm	Nitrile	47	473259	1.771" / 44.980mm	1.775" / 45.090mm	0.275" / 6.990mm	Nitrile	48	483488
1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Nitrile	47	476838	<b>1.178" / 29.920mm Shaft</b>					
2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48	481792	2.447" / 62.150mm	2.452" / 62.280mm	0.500" / 12.700mm	Fluoro-Elastomer	86	4813V
1.624" / 41.250mm	1.628" / 41.350mm	0.245" / 6.220mm	Nitrile	48	482208	<b>1.181" / 30.000mm Shaft</b>					
1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	5S	50151S	1.575" / 40.000mm	1.585" / 40.250mm	0.276" / 7.000mm	Nitrile	35	1129
1.935" / 49.150mm	1.942" / 49.330mm	0.625" / 15.880mm	Nitrile	204	6832S	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Nitrile	35	1981
1.630" / 41.400mm	1.634" / 41.500mm	0.313" / 7.950mm	Nitrile	32	710285	1.772" / 45.000mm	1.780" / 45.200mm	0.591" / 15.000mm	Nitrile	#	2016
1.624" / 41.250mm	1.632" / 41.450mm	0.236" / 6.000mm	Fluoro-Elastomer	32	711067	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	48	223005
<b>1.126" / 28.600mm Shaft</b>						1.654" / 42.000mm	1.662" / 42.210mm	0.276" / 7.000mm	Polyacrylate	32	223010
1.693" / 43.000mm	1.699" / 43.150mm	0.256" / 6.500mm	Nitrile	47	1989	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Polyacrylate	32	223012
<b>1.142" / 29.000mm Shaft</b>						1.772" / 45.000mm	1.780" / 45.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32	223014
1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Silicone	32	320595	1.811" / 46.000mm	1.820" / 46.230mm	0.276" / 7.000mm	Nitrile	32	223018
1.693" / 43.000mm	1.722" / 43.740mm	0.315" / 8.000mm	Silicone	32	710460	1.850" / 47.000mm	1.860" / 47.250mm	0.276" / 7.000mm	Nitrile	35	223020
<b>1.142" / 29.010mm Shaft</b>						2.047" / 52.000mm	2.054" / 52.180mm	0.276" / 7.000mm	Nitrile	35	223035
1.466" / 37.244mm	1.474" / 37.444mm	0.197" / 5.000mm	Nitrile	35	710504	1.969" / 50.000mm	1.978" / 50.230mm	0.354" / 9.000mm	Nitrile	32	223050
<b>1.156" / 29.360mm Shaft</b>						1.969" / 50.000mm	1.978" / 50.230mm	0.354" / 9.000mm	Polyacrylate	32	223051
1.575" / 40.010mm	1.580" / 40.130mm	0.312" / 7.920mm	Fluoro-Elastomer	25	250437V	1.457" / 37.000mm	1.466" / 37.230mm	0.157" / 4.000mm	Nitrile	32	30X37X4
2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45	450161	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	30X40X7
2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	45	450362	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35	30X42X7
1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450482	1.732" / 44.000mm	1.743" / 44.280mm	0.276" / 7.000mm	Nitrile	32	30X44X7
2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470362	1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32	30X45X8
1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471707	1.811" / 46.000mm	1.819" / 46.200mm	0.276" / 7.000mm	Nitrile	32	30X46X7
1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Polyacrylate	47	471707N	1.850" / 47.000mm	1.859" / 47.230mm	0.394" / 10.000mm	Nitrile	32	30X47X10
1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471736	1.850" / 47.000mm	1.860" / 47.250mm	0.276" / 7.000mm	Nitrile	32	30X47X7
2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471764	1.969" / 50.000mm	1.978" / 50.230mm	0.276" / 7.000mm	Nitrile	32	30X50X7
2.834" / 71.980mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	472239	2.047" / 52.000mm	2.056" / 52.230mm	0.394" / 10.000mm	Nitrile	32	30X52X10
2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47	473427	2.047" / 52.000mm	2.056" / 52.230mm	0.276" / 7.000mm	Nitrile	35	30X52X7
1.984" / 50.390mm	1.988" / 50.500mm	0.250" / 6.350mm	Nitrile	47	473428	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	47	30X55X7
1.686" / 42.820mm	1.690" / 42.930mm	0.250" / 6.350mm	Nitrile	47	474260	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	35	30X56X8
<b>1.156" / 29.362mm Shaft</b>						2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	30X62X7
2.000" / 50.800mm	2.004" / 50.902mm	0.250" / 6.350mm	Fluoroelastomer	48	487513	2.835" / 72.000mm	2.843" / 72.200mm	0.276" / 7.000mm	Nitrile	47	30X72X7
<b>1.170" / 29.720mm Shaft</b>						2.283" / 58.000mm	2.287" / 58.090mm	0.374" / 9.500mm	Polyacrylate	57	3907
2.031" / 51.590mm	2.035" / 51.690mm	0.375" / 9.530mm	Nitrile	45	451182	2.559" / 65.000mm	2.568" / 65.230mm	1.339" / 34.000mm	Nitrile	#	710065

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.181" / 30.000mm Shaft (Cont.)</b>						<b>1.190" / 30.226mm Shaft</b>					
1.457" / 37.000mm	1.461" / 37.300mm	0.138" / 3.500mm	Nitrile	35	710401	2.125" / 53.975mm	2.130" / 54.102mm	0.313" / 7.950mm	Nitrile	41	418310
2.409" / 61.200mm	2.417" / 61.400mm	0.354" / 9.000mm	Nitrile	40	710516	<b>1.190" / 30.230mm Shaft</b>					
2.578" / 65.500mm	2.587" / 65.700mm	0.437" / 11.100mm	Fluoro-Elastomer	85	710663	1.969" / 50.010mm	1.975" / 50.170mm	0.261" / 6.630mm	Polyacrylate	48	4738N
1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Polyacrylate	32	711048	1.889" / 47.980mm	1.896" / 48.160mm	0.860" / 21.840mm	Polyacrylate	#	4748N
2.362" / 60.000mm	2.370" / 60.200mm	0.374" / 9.500mm	Fluoro-Elastomer	#	711066	<b>1.190" / 30.280mm Shaft</b>					
1.866" / 47.400mm	1.874" / 47.600mm	0.228" / 5.800mm	Polyacrylate	49	711123	2.122" / 53.900mm	2.128" / 54.050mm	0.350" / 8.890mm	Nitrile	#	710068
1.811" / 46.000mm	1.823" / 46.300mm	0.315" / 8.000mm	Polyacrylate	32	712001	<b>1.218" / 30.940mm Shaft</b>					
<b>1.187" / 30.150mm Shaft</b>						1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	203	203016
1.627" / 41.330mm	1.635" / 41.530mm	0.250" / 6.350mm	Nitrile	34	340817	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	203	203025
2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	40162S	1.979" / 50.270mm	1.983" / 50.370mm	0.250" / 6.350mm	Nitrile	44	441319
1.996" / 50.700mm	2.000" / 50.800mm	0.250" / 6.350mm	Nitrile	4S	40576S	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	45	450048
2.047" / 52.000mm	2.051" / 52.100mm	0.250" / 6.350mm	Nitrile	4S	43076S	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45	450173
2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	470162	<b>1.220" / 31.000mm Shaft</b>					
1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	47	470328	1.732" / 44.000mm	1.740" / 44.200mm	0.315" / 8.000mm	Nitrile	32	31X44X8
2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47	470336	1.654" / 42.000mm	1.662" / 42.210mm	0.315" / 8.000mm	Fluoro-Elastomer	35	710172
2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470347	1.811" / 46.000mm	1.819" / 46.200mm	0.315" / 8.000mm	Silicone	32	710332
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	470946	1.783" / 45.300mm	1.787" / 45.400mm	0.276" / 7.000mm	Nitrile	35	710757
2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471354	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710824
2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471765	<b>1.238" / 31.450mm Shaft</b>					
2.165" / 55.000mm	2.169" / 55.090mm	0.250" / 6.350mm	Nitrile	47	472350	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	48	8293S
2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	472432	<b>1.240" / 31.500mm Shaft</b>					
1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	472475	2.402" / 61.000mm	2.411" / 61.240mm	0.524" / 13.300mm	Polyacrylate	#	710648
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	473203	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710799
2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	47	473205	<b>1.247" / 31.670mm Shaft</b>					
1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47	473425	1.687" / 42.850mm	1.691" / 42.950mm	0.312" / 7.920mm	Nitrile	33	6859S
1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47	473426	2.625" / 66.680mm	2.633" / 66.880mm	0.480" / 12.190mm	Nitrile	#	8429S
2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	47	474254	<b>1.250" / 31.750mm Shaft</b>					
2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	47	474255	2.000" / 50.800mm	2.004" / 50.900mm	0.290" / 7.370mm	Nitrile	200	200338
2.441" / 62.000mm	2.445" / 62.100mm	0.250" / 6.350mm	Nitrile	47	474256	1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	203	203012
1.687" / 42.850mm	1.691" / 42.950mm	0.250" / 6.350mm	Nitrile	48	481213	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	203	203029
1.716" / 43.590mm	1.720" / 43.690mm	0.248" / 6.300mm	Nitrile	68	9487	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	204	204029
<b>1.189" / 30.200mm Shaft</b>						1.979" / 50.270mm	1.983" / 50.370mm	0.250" / 6.350mm	Nitrile	204	204507
1.496" / 38.000mm	1.506" / 38.250mm	0.217" / 5.500mm	Polyacrylate	#	710655	1.686" / 42.820mm	1.697" / 43.100mm	0.187" / 4.750mm	Nitrile	24	240356
						1.499" / 38.070mm	1.509" / 38.330mm	0.156" / 3.960mm	Nitrile	24	240736
						1.828" / 46.430mm	1.838" / 46.690mm	0.187" / 4.750mm	Nitrile	24	240949

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.250" / 31.750mm Shaft (Cont.)</b>						<b>1.250" / 31.750mm Shaft (Cont.)</b>					
1.625" / 41.280mm	1.630" / 41.400mm	0.188" / 6.350mm	Nitrile	25	251511	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471766
1.955" / 49.660mm	1.960" / 49.780mm	0.435" / 11.050mm	Nitrile	48	3199	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	471766K
1.685" / 42.800mm	1.691" / 42.950mm	0.252" / 6.400mm	Nitrile	32	323126	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471766V
2.835" / 72.009mm	2.842" / 72.187mm	0.375" / 9.525mm	Nitrile	32	328301	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471787
1.686" / 42.820mm	1.696" / 43.080mm	0.218" / 5.540mm	Nitrile	34	340356	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471787V
1.499" / 38.070mm	1.505" / 38.230mm	0.125" / 3.180mm	Nitrile	34	343186	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	47	471795
1.812" / 46.020mm	1.817" / 46.150mm	0.235" / 5.970mm	PTFE	DW-H	39713	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Polyacrylate	47	471795N
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	4S	40140S	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471795V
2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	40652S	2.252" / 57.200mm	2.256" / 57.300mm	0.375" / 9.530mm	Nitrile	47	471801
2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	41	410163	2.374" / 60.300mm	2.378" / 60.400mm	0.375" / 9.530mm	Nitrile	47	471808
2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	4S	41787S	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47	471818
2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	4S	42081S	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	471833
2.106" / 53.490mm	2.110" / 53.590mm	0.468" / 11.890mm	Nitrile	45	450177	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Polyacrylate	47	471845N
2.713" / 68.910mm	2.717" / 69.010mm	0.468" / 11.890mm	Nitrile	45	450341	2.877" / 73.080mm	2.881" / 73.180mm	0.250" / 6.350mm	Nitrile	47	472536
2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45	451845	3.150" / 80.010mm	3.155" / 80.140mm	0.375" / 9.530mm	Fluoro-Elastomer	47	472651V
3.155" / 80.140mm	3.160" / 80.260mm	0.500" / 12.700mm	Nitrile	45	453279	1.686" / 42.820mm	1.691" / 42.950mm	0.250" / 6.350mm	Fluoro-Elastomer	47	473135V
1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	470049	2.047" / 52.000mm	2.051" / 52.100mm	0.375" / 9.530mm	Nitrile	47	473551
1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Polyacrylate	47	470140N	1.686" / 42.820mm	1.691" / 42.950mm	0.250" / 6.350mm	Nitrile	47	474278
2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	470163	1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	48	480356
2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Fluoro-Elastomer	47	470163V	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	48	481859
2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47	470165	2.126" / 54.000mm	2.130" / 54.100mm	0.375" / 9.530mm	Polyacrylate	48	482230N
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470244	2.327" / 59.106mm	2.331" / 59.207mm	0.500" / 12.700mm	Nitrile	48	487514
2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470245	2.000" / 50.800mm	2.004" / 50.902mm	0.438" / 11.125mm	Polyacrylate	48	487515
2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	470806	1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	204	6906S
2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471407	1.750" / 44.450mm	1.756" / 44.600mm	0.250" / 6.350mm	Urethane	#	710014
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471413	2.398" / 60.910mm	2.402" / 61.010mm	0.228" / 5.790mm	Nitrile	74	710101
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471413K	<b>1.250" / 32.000mm Shaft</b>					
1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471413V	1.904" / 48.360mm	1.912" / 48.560mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710853
1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471737	<b>1.250" / 31.750mm Shaft</b>					
1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471737V	2.125" / 53.970mm	2.133" / 54.170mm	0.748" / 19.000mm	Fluoro-Elastomer	#	710863
1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47	471750	1.750" / 44.450mm	1.754" / 44.550mm	0.250" / 6.350mm	Nitrile	#	712025
1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47	471750K	1.750" / 44.450mm	1.754" / 44.550mm	0.250" / 6.350mm	Nitrile	48	7412S
1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471750V	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	203	7781S
						1.750" / 44.450mm	1.754" / 44.552mm	0.250" / 6.350mm	Fluoroelastomer	#	797707

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.260" / 32.000mm Shaft</b>						<b>1.260" / 32.000mm Shaft (Cont.)</b>					
2.047" / 52.000mm	2.057" / 52.250mm	0.433" / 11.000mm	Polyacrylate	40	1167	2.047" / 52.000mm	2.052" / 52.120mm	0.252" / 6.400mm	Polyacrylate	32	710469
2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Nitrile	#	2008	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Polyacrylate	35	710681
1.654" / 42.000mm	1.661" / 42.200mm	0.394" / 10.000mm	Nitrile	40	223215	2.165" / 55.000mm	2.173" / 55.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710819
1.732" / 44.000mm	1.741" / 44.230mm	0.236" / 6.000mm	Polyacrylate	32	223220	1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Polyacrylate	40	711090
1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Polyacrylate	32	223230	1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Polyacrylate	40	711091
1.811" / 46.000mm	1.820" / 46.230mm	0.236" / 6.000mm	Polyacrylate	32	223235	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40	711092
1.890" / 48.000mm	1.898" / 48.200mm	0.354" / 9.000mm	Polyacrylate	40	223240	1.620" / 41.150mm	1.624" / 41.250mm	0.441" / 11.200mm	Fluoro-Elastomer	#	711114
2.047" / 52.000mm	2.058" / 52.280mm	0.433" / 11.000mm	Polyacrylate	32	223252	<b>1.280" / 32.500mm Shaft</b>					
2.087" / 53.000mm	2.098" / 53.280mm	0.276" / 7.000mm	Polyacrylate	32	223253	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	710282
2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	35	223255	<b>1.281" / 32.540mm Shaft</b>					
1.772" / 45.000mm	1.780" / 45.210mm	0.236" / 6.000mm	Fluoro-Elastomer	32	320348	2.000" / 50.800mm	2.006" / 50.950mm	0.250" / 6.350mm	Nitrile	35	353137
1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35	32X42X7	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	470050
1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	32	32X42X8	2.000" / 50.800mm	2.004" / 50.900mm	0.375" / 9.530mm	Nitrile	47	473424
1.772" / 45.000mm	1.781" / 45.230mm	0.276" / 7.000mm	Nitrile	32	32X45X7	<b>1.299" / 33.000mm Shaft</b>					
1.811" / 46.000mm	1.820" / 46.230mm	0.236" / 6.000mm	Nitrile	32	32X46X6	1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Nitrile	32	223340
1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35	32X47X7	1.969" / 50.000mm	1.978" / 50.250mm	0.472" / 12.000mm	Nitrile	32	33X50X12
1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	32X48X8	2.047" / 52.000mm	2.057" / 52.250mm	0.236" / 6.000mm	Nitrile	32	33X52X6
1.969" / 50.000mm	1.978" / 50.230mm	0.315" / 8.000mm	Nitrile	35	32X50X8	3.539" / 89.900mm	3.528" / 89.600mm	1.575" / 40.000mm	Polyacrylate	35	5210
2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32	32X52X7	1.732" / 44.000mm	1.739" / 44.180mm	0.276" / 7.000mm	Nitrile	47	710070
2.126" / 54.000mm	2.135" / 54.230mm	0.394" / 10.000mm	Nitrile	32	32X54X10	2.323" / 59.000mm	2.331" / 59.200mm	0.433" / 11.000mm	Polyacrylate	40	710124
2.205" / 56.000mm	2.216" / 56.280mm	0.394" / 10.000mm	Nitrile	32	32X56X10	2.008" / 56.000mm	2.214" / 56.230mm	0.315" / 8.000mm	Polyacrylate	40	710132
2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Nitrile	32	32X58X8	1.929" / 49.000mm	1.938" / 49.230mm	0.315" / 8.000mm	Polyacrylate	32	710236
2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32	32X60X8	2.323" / 59.000mm	2.331" / 59.200mm	0.366" / 9.300mm	Polyacrylate	40	710633
2.441" / 62.000mm	2.451" / 62.260mm	0.236" / 6.000mm	Nitrile	35	32X62X6	2.087" / 53.000mm	2.094" / 53.200mm	0.285" / 7.250mm	Fluoro-Elastomer	35	710810
2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Nitrile	32	32X62X8	1.850" / 47.000mm	1.858" / 47.200mm	0.197" / 5.000mm	Fluoro-Elastomer	32	711002
2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	32X72X8	<b>1.301" / 33.050mm Shaft</b>					
1.850" / 47.000mm	1.860" / 47.240mm	0.394" / 10.000mm	Polyacrylate	32	3476	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	471193
1.969" / 50.000mm	1.974" / 50.140mm	0.315" / 8.000mm	Fluoro-Elastomer	48	710164	<b>1.301" / 33.045mm Shaft</b>					
2.047" / 52.000mm	2.055" / 52.200mm	0.433" / 11.000mm	Nitrile	32	710306	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Polyacrylate	33	6370N
1.850" / 47.000mm	1.858" / 47.200mm	0.236" / 6.000mm	Polyacrylate	32	710310	<b>1.301" / 33.050mm Shaft</b>					
1.890" / 48.000mm	1.898" / 48.200mm	0.394" / 10.000mm	Nitrile	32	710317	2.620" / 66.550mm	2.625" / 66.680mm	0.315" / 8.000mm	Nitrile	#	710043
1.969" / 50.000mm	1.978" / 50.230mm	0.315" / 8.000mm	Nitrile	32	710415	<b>1.308" / 33.232mm Shaft</b>					
1.850" / 47.000mm	1.858" / 47.200mm	0.339" / 8.600mm	Nitrile	298	710455	2.621" / 66.573mm	2.625" / 66.680mm	0.875" / 22.230mm	Nitrile	#	2300
						<b>1.311" / 33.300mm Shaft</b>					
						1.705" / 43.300mm	1.713" / 43.500mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710775

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.312" / 33.320mm Shaft</b>						<b>1.339" / 34.000mm Shaft (Cont.)</b>					
1.752" / 44.500mm	1.760" / 44.700mm	0.187" / 4.750mm	Nitrile	24	240716	1.890" / 48.000mm	1.901" / 48.280mm	0.295" / 7.500mm	Nitrile	35	710416
2.282" / 57.960mm	2.286" / 58.060mm	0.250" / 6.350mm	Nitrile	4S	40769S	2.087" / 53.000mm	2.098" / 53.280mm	0.315" / 8.000mm	Polyacrylate	32	710418
2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450147	2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Nitrile	35	710422
2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470503	2.205" / 56.000mm	2.213" / 56.200mm	0.335" / 8.500mm	Fluoro-Elastomer	40	710704
2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	471904	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	40	710870
2.062" / 52.370mm	2.066" / 52.480mm	0.312" / 7.920mm	Nitrile	47	472826	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710897
2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47	473210	<b>1.343" / 34.110mm Shaft</b>					
2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	473211	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	45	450054
2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	473212	2.106" / 53.490mm	2.110" / 53.590mm	0.375" / 9.530mm	Nitrile	47	473435
2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473213	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	Nitrile	47	473436
2.106" / 53.490mm	2.110" / 53.590mm	0.375" / 9.530mm	Nitrile	47	473421	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	48	483793
1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47	473422	<b>1.350" / 34.290mm Shaft</b>					
1.874" / 47.600mm	1.878" / 47.700mm	0.375" / 9.530mm	Nitrile	47	473423	2.571" / 65.300mm	2.575" / 65.410mm	0.706" / 17.930mm	Nitrile	62	8594S
2.166" / 55.020mm	2.170" / 55.120mm	0.375" / 9.530mm	Nitrile	47	473812	<b>1.358" / 34.500mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48	481834	2.283" / 58.000mm	2.287" / 58.100mm	0.394" / 10.000mm	Fluoro-Elastomer	74	710624
1.625" / 41.280mm	1.662" / 42.210mm	0.156" / 3.960mm	Nitrile	VRS1	722108	2.451" / 62.250mm	2.459" / 62.450mm	0.354" / 9.000mm	Fluoro-Elastomer	86	710903
<b>1.317" / 33.451mm Shaft</b>						1.624" / 41.250mm	1.632" / 41.450mm	0.354" / 9.000mm	Ethylene-Acrylic	#	710987
2.280" / 57.910mm	2.286" / 58.060mm	0.350" / 8.890mm	Nitrile	#	5131	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32	711016
<b>1.322" / 33.580mm Shaft</b>						2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	32	711086
2.227" / 56.570mm	2.231" / 56.670mm	0.375" / 9.530mm	Nitrile	48	484058	<b>1.360" / 34.530mm Shaft</b>					
<b>1.326" / 33.680mm Shaft</b>						4.560" / 115.800mm	2.328" / 59.130mm	0.323" / 8.200mm	Nitrile	#	8549S
2.061" / 52.350mm	2.065" / 52.450mm	0.375" / 9.530mm	Nitrile	48	484054	<b>1.362" / 34.590mm Shaft</b>					
2.226" / 56.540mm	2.247" / 57.070mm	0.500" / 12.700mm	Nitrile	48	5124	2.191" / 55.650mm	2.195" / 55.750mm	0.250" / 6.350mm	Nitrile	48	8133S
2.312" / 58.720mm	2.316" / 58.830mm	0.435" / 11.050mm	Nitrile	48	9161	<b>1.365" / 34.670mm Shaft</b>					
<b>1.339" / 34.000mm Shaft</b>						1.955" / 49.660mm	1.960" / 49.780mm	0.435" / 11.050mm	Nitrile	48	3214
1.732" / 44.000mm	1.741" / 44.230mm	0.315" / 8.000mm	Polyacrylate	32	223400	2.081" / 52.860mm	2.085" / 52.960mm	0.435" / 11.050mm	Nitrile	5S	51322
1.890" / 48.000mm	1.898" / 48.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	223420	2.374" / 60.300mm	2.379" / 60.430mm	0.435" / 11.050mm	Nitrile	48	9568
1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32	34X45X8	2.259" / 57.380mm	2.264" / 57.510mm	0.435" / 11.050mm	Nitrile	99	9569S
2.047" / 52.000mm	2.058" / 52.280mm	0.315" / 8.000mm	Nitrile	32	34X52X8	<b>1.366" / 34.700mm Shaft</b>					
2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Nitrile	35	34X54X9	1.783" / 45.300mm	1.791" / 45.500mm	0.276" / 7.000mm	Polyacrylate	32	710773
2.165" / 55.000mm	2.173" / 55.200mm	0.354" / 9.000mm	Nitrile	32	34X55X9	<b>1.375" / 34.930mm Shaft</b>					
2.441" / 62.000mm	2.448" / 62.180mm	0.394" / 10.000mm	Nitrile	35	34X62X10	2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204	204027
2.480" / 63.000mm	2.484" / 63.090mm	0.354" / 9.000mm	Polyacrylate	40	710109	1.952" / 49.580mm	1.957" / 49.710mm	0.500" / 12.700mm	Polyacrylate	25	2443
2.126" / 54.000mm	2.136" / 54.250mm	0.354" / 9.000mm	Polyacrylate	40	710110	2.244" / 57.000mm	2.254" / 57.250mm	0.405" / 10.287mm	Polyacrylate	79	2655
						2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	71	3116N

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.375" / 34.930mm Shaft (Cont.)</b>						<b>1.375" / 34.930mm Shaft (Cont.)</b>					
2.717" / 69.010mm	2.723" / 69.160mm	0.375" / 9.530mm	Nitrile	32	323125	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Fluoro-Elastomer	47	471192V
1.828" / 46.430mm	1.834" / 46.580mm	0.250" / 6.350mm	Nitrile	32	323138	2.000" / 50.800mm	2.004" / 50.900mm	0.375" / 9.530mm	Polyacrylate	47	471268N
1.874" / 47.600mm	1.878" / 47.700mm	0.312" / 7.920mm	Nitrile	33	330663	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471276
1.750" / 44.450mm	1.756" / 44.600mm	0.187" / 4.750mm	Nitrile	34	340853	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471276V
1.874" / 47.600mm	1.880" / 47.750mm	0.250" / 6.350mm	Nitrile	32	352354	3.150" / 80.010mm	3.154" / 80.110mm	0.375" / 9.530mm	Nitrile	47	471379
1.874" / 47.600mm	1.880" / 47.750mm	0.312" / 7.920mm	Nitrile	35	352355	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	471835
2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	PTFE	94	39140	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Polyacrylate	47	471847N
2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	4S	40169S	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47	472258
1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Leather	4L	40395	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47	472258K
1.874" / 47.600mm	1.879" / 47.730mm	0.250" / 6.350mm	Nitrile	4S	40395S	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472258V
2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	40522S	2.106" / 53.490mm	2.110" / 53.590mm	0.312" / 7.920mm	Nitrile	47	472287
2.282" / 57.960mm	2.286" / 58.060mm	0.250" / 6.350mm	Nitrile	4S	42763	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	472354
2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S	43089S	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47	472354V
2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450444	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	472642
2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45	450452	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472642V
2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45	450456	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	472658
2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450463	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	472843
3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450492	2.835" / 72.010mm	2.839" / 72.110mm	0.312" / 7.920mm	Nitrile	47	473197
3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	45	450516	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	473214
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450776	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473214V
2.047" / 52.000mm	2.052" / 52.120mm	0.330" / 8.380mm	Polyacrylate	68	4529N	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473215
3.542" / 89.970mm	3.549" / 90.140mm	0.397" / 10.080mm	Polyacrylate	93	4532N	2.561" / 65.050mm	2.565" / 65.150mm	0.375" / 9.530mm	Nitrile	47	473258
1.982" / 50.340mm	1.989" / 50.520mm	0.192" / 4.880mm	Polyacrylate	47	4638N	<b>1.375" / 34.925mm Shaft</b>					
2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	47	470055N	2.047" / 51.994mm	2.051" / 52.095mm	0.276" / 7.010mm	Fluoroelastomer	47	477705
2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470135	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	47	477720
2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47	470169	1.828" / 46.431mm	1.832" / 46.533mm	0.250" / 6.350mm	Fluoroelastomer	47	477721
2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470403	<b>1.375" / 34.930mm Shaft</b>					
2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47	470774	2.000" / 50.800mm	2.004" / 50.900mm	0.328" / 8.330mm	Nitrile	48	480570
2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Fluoro-Elastomer	47	470774V	1.983" / 50.370mm	1.987" / 50.470mm	0.312" / 7.920mm	Nitrile	48	482163
2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47	470950	1.983" / 50.370mm	1.987" / 50.470mm	0.312" / 7.920mm	Polyacrylate	48	482163N
3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	47	470989	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	Polyacrylate	48	482576N
2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	47	471105	1.874" / 47.600mm	1.879" / 47.730mm	0.240" / 6.100mm	Fluoro-Elastomer	48	484156V
2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	471192	<b>1.375" / 34.925mm Shaft</b>					
						2.106" / 53.492mm	2.110" / 53.594mm	0.313" / 7.950mm	Polyacrylate	48	487509

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.375" / 34.930mm Shaft</b>						<b>1.378" / 35.000mm Shaft (Cont.)</b>					
1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	5S	50395S	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35	223510
2.000" / 50.800mm	2.004" / 50.900mm	0.320" / 8.130mm	Nitrile	45	5872S	1.969" / 50.000mm	1.978" / 50.240mm	0.315" / 8.000mm	Nitrile	35	223520
2.250" / 57.150mm	2.252" / 57.200mm	1.062" / 26.970mm	Leather	9L	6200	2.047" / 52.000mm	2.052" / 52.130mm	0.315" / 8.000mm	Nitrile	33	223535
2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	48	6241S	2.165" / 55.000mm	2.183" / 55.450mm	0.315" / 9.000mm	Polyacrylate	40	223540
1.829" / 46.460mm	1.837" / 46.660mm	0.187" / 4.750mm	Nitrile	34	6597S	2.165" / 55.000mm	2.174" / 55.230mm	0.433" / 11.000mm	Polyacrylate	32	223542
1.875" / 47.630mm	1.878" / 47.700mm	0.187" / 4.750mm	Nitrile	33	6668S	2.205" / 56.000mm	2.215" / 56.270mm	0.394" / 10.000mm	Nitrile	32	223543
2.062" / 52.370mm	2.072" / 52.630mm	0.250" / 6.350mm	Nitrile	35	6760S	2.283" / 58.000mm	2.287" / 58.100mm	0.394" / 10.000mm	Nitrile	45	223550
<b>1.375" / 34.925mm Shaft</b>						2.441" / 62.000mm	2.452" / 62.280mm	0.374" / 9.500mm	Nitrile	32	223552
2.217" / 56.300mm	2.235" / 56.770mm	0.364" / 9.240mm	Fluoro-Elastomer	74	710489	2.441" / 62.000mm	2.452" / 62.280mm	0.354" / 9.000mm	Polyacrylate	40	223553
2.160" / 54.864mm	2.168" / 55.064mm	0.394" / 10.000mm	Nitrile	#	711082	2.677" / 68.000mm	2.683" / 68.160mm	0.354" / 9.000mm	Nitrile	40	223580
2.206" / 56.030mm	2.214" / 56.230mm	0.390" / 9.900mm	Fluoro-Elastomer	87	711084	1.890" / 48.000mm	1.898" / 48.210mm	0.299" / 7.600mm	Fluoro-Elastomer	32	320249
<b>1.375" / 34.930mm Shaft</b>						2.162" / 54.915mm	2.167" / 55.042mm	0.425" / 10.795mm	Silicone	57	3543
1.981" / 50.320mm	1.989" / 50.520mm	0.252" / 6.400mm	Polyacrylate	48	714655	1.772" / 45.000mm	1.778" / 45.150mm	0.276" / 7.000mm	Nitrile	35	35X45X7
2.250" / 57.150mm	2.254" / 57.250mm	0.713" / 18.110mm	Nitrile	61	7495S	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35	35X47X7
<b>1.375" / 34.925mm Shaft</b>						1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	35X48X8
2.437" / 61.900mm	2.441" / 62.001mm	0.250" / 6.350mm	Nitrile	#	797720	1.969" / 50.000mm	1.976" / 50.200mm	0.276" / 7.000mm	Nitrile	32	35X50X7
<b>1.375" / 34.930mm Shaft</b>						1.969" / 50.000mm	1.978" / 50.240mm	0.315" / 8.000mm	Nitrile	35	35X50X8
4.567" / 116.000mm	4.582" / 116.380mm	0.259" / 6.580mm	Nitrile	54	8676S	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	35X52X7
4.572" / 116.130mm	4.582" / 116.380mm	0.259" / 6.580mm	Nitrile	54	9344S	2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Nitrile	35	35X54X8
<b>1.376" / 34.950mm Shaft</b>						2.165" / 55.000mm	2.174" / 55.230mm	0.433" / 11.000mm	Nitrile	32	35X55X11
2.750" / 69.850mm	2.754" / 69.950mm	0.394" / 10.000mm	Fluoro-Elastomer	85	710683	2.165" / 55.000mm	2.174" / 55.100mm	0.315" / 8.000mm	Nitrile	47	35X55X8
2.244" / 57.000mm	2.252" / 57.200mm	0.402" / 10.200mm	Fluoro-Elastomer	87	710692	2.205" / 56.000mm	2.215" / 56.270mm	0.394" / 10.000mm	Nitrile	32	35X56X10
<b>1.377" / 34.980mm Shaft</b>						2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	35	35X56X8
2.874" / 73.000mm	2.881" / 73.180mm	0.693" / 17.600mm	Polyacrylate	57	4613N	2.283" / 58.000mm	2.294" / 58.280mm	0.394" / 10.000mm	Nitrile	35	35X58X10
2.162" / 54.910mm	2.167" / 55.040mm	0.354" / 9.000mm	Polyacrylate	87	4614N	2.362" / 60.000mm	2.371" / 60.230mm	0.394" / 10.000mm	Nitrile	35	35X60X10
<b>1.378" / 35.000mm Shaft</b>						2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	35X62X7
2.244" / 57.000mm	2.246" / 57.300mm	0.601" / 15.270mm	Nitrile	74	100165	2.520" / 64.000mm	2.525" / 64.130mm	0.315" / 8.000mm	Polyacrylate	47	35X64X8
1.890" / 48.000mm	1.906" / 48.400mm	0.276" / 7.000mm	Fluoro-Elastomer	32	1108	2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Nitrile	32	35X65X10
2.992" / 76.000mm	3.003" / 76.280mm	0.354" / 9.000mm	Polyacrylate	40	1147	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	35X65X8
1.850" / 47.000mm	1.866" / 47.400mm	0.276" / 7.000mm	Silicone	32	1172	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	35X70X8
2.638" / 67.000mm	2.648" / 67.270mm	0.472" / 12.000mm	Polyacrylate	40	1173	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	35X72X8
1.890" / 48.000mm	1.900" / 48.250mm	0.551" / 14.000mm	Polyacrylate	#	1215N	3.150" / 80.000mm	3.150" / 80.200mm	0.315" / 8.000mm	Nitrile	32	35X80X8
1.953" / 49.600mm	1.961" / 49.800mm	0.433" / 11.000mm	Polyacrylate	88	1940	2.047" / 52.000mm	2.061" / 52.350mm	0.305" / 7.750mm	Polyacrylate	32	3655
1.929" / 49.000mm	1.937" / 49.200mm	0.236" / 6.000mm	Polyacrylate	33	1987						
2.205" / 56.000mm	2.217" / 56.300mm	0.354" / 9.000mm	Nitrile	40	2007N						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.378" / 35.000mm Shaft (Cont.)</b>						<b>1.378" / 35.000mm Shaft (Cont.)</b>					
1.969" / 50.000mm	1.982" / 50.340mm	0.276" / 7.000mm	Silicone	35	3771	2.559" / 65.000mm	2.567" / 65.200mm	0.398" / 10.000mm	Fluoro-Elastomer	40	710668
2.165" / 55.000mm	2.172" / 55.180mm	0.315" / 8.000mm	Nitrile	47	473823	2.244" / 57.000mm	2.252" / 57.200mm	0.354" / 9.000mm	Polyacrylate	40	710702
<b>1.378" / 35.001mm Shaft</b>						<b>1.378" / 35.001mm Shaft</b>					
1.850" / 46.990mm	1.855" / 47.117mm	0.276" / 7.010mm	Fluoroelastomer	47	477712	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40	710724
<b>1.378" / 35.000mm Shaft</b>						<b>1.378" / 35.000mm Shaft</b>					
2.441" / 62.000mm	2.452" / 62.280mm	0.315" / 8.000mm	Polyacrylate	40	4901	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40	710739
1.890" / 48.000mm	1.901" / 48.280mm	0.315" / 8.000mm	Nitrile	86	710051	2.283" / 58.000mm	2.291" / 58.200mm	0.374" / 9.500mm	Polyacrylate	40	710752
1.614" / 41.000mm	1.620" / 41.150mm	0.217" / 5.500mm	Nitrile	35	710076	2.169" / 55.000mm	2.173" / 55.200mm	0.354" / 9.000mm	Polyacrylate	40	710806
2.240" / 56.900mm	2.246" / 57.050mm	0.764" / 19.410mm	Polyacrylate	74	710096	1.890" / 48.000mm	1.898" / 48.200mm	0.472" / 12.000mm	Polyacrylate	86	710818
2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Nitrile	40	710138	2.582" / 65.580mm	2.590" / 65.780mm	0.512" / 13.000mm	Nitrile	74	710864
2.559" / 65.000mm	2.563" / 65.100mm	0.472" / 12.000mm	Nitrile	47	710151	2.465" / 62.600mm	2.474" / 62.840mm	0.409" / 10.400mm	Nitrile	#	710969
1.929" / 49.000mm	1.941" / 49.300mm	0.315" / 8.000mm	Nitrile	32	710178	2.205" / 56.000mm	2.209" / 56.100mm	0.354" / 9.000mm	Polyacrylate	#	710976
2.126" / 54.000mm	2.137" / 54.280mm	0.315" / 8.000mm	Polyacrylate	40	710197	1.850" / 47.000mm	1.858" / 47.200mm	0.295" / 7.500mm	PTFE	32	711008
2.126" / 54.000mm	2.130" / 54.100mm	0.394" / 10.000mm	Polyacrylate	86	710199	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	711027
2.126" / 54.000mm	2.130" / 54.100mm	0.354" / 9.000mm	Nitrile	74	710217	2.161" / 54.890mm	2.169" / 55.090mm	0.394" / 10.000mm	Ethylene-Acrylic	#	711036
2.205" / 56.000mm	2.209" / 56.100mm	0.630" / 16.000mm	Fluoro-Elastomer	32	710218	2.878" / 73.100mm	2.886" / 73.300mm	0.321" / 8.150mm	Polyacrylate	#	711037
2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40	710314	2.047" / 52.000mm	2.055" / 52.200mm	0.374" / 9.500mm	Nitrile	32	711041
2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	40	710315	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711058
1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Nitrile	32	710324	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Fluoro-Elastomer	74	711063
1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Silicone	32	710329	1.929" / 49.000mm	1.937" / 49.200mm	0.610" / 15.500mm	Fluoro-Elastomer	#	711064
2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710331	2.165" / 55.000mm	2.173" / 55.200mm	0.433" / 11.000mm	Polyacrylate	40	711070
2.677" / 68.000mm	2.685" / 68.200mm	0.354" / 9.000mm	Polyacrylate	40	710336	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Fluoro-Elastomer	32	711080
1.732" / 44.000mm	1.736" / 44.100mm	0.276" / 7.000mm	Nitrile	47	710383	1.969" / 50.000mm	1.976" / 50.200mm	0.335" / 8.500mm	Polyacrylate	40	711087
2.205" / 56.000mm	2.213" / 56.200mm	0.354" / 9.000mm	Nitrile	40	710396	2.638" / 67.000mm	2.646" / 67.200mm	0.472" / 12.000mm	Polyacrylate	40	711089
2.480" / 63.000mm	2.491" / 63.280mm	0.394" / 10.000mm	Nitrile	68	710419	1.969" / 50.000mm	1.976" / 50.200mm	0.512" / 13.000mm	Polyacrylate	40	711120
2.362" / 60.000mm	2.371" / 60.230mm	0.394" / 10.000mm	Nitrile	35	710424	2.047" / 52.000mm	2.061" / 52.350mm	0.305" / 7.750mm	Polyacrylate	32	713655
2.795" / 71.000mm	2.807" / 71.300mm	0.512" / 13.000mm	Polyacrylate	74	710546	1.969" / 50.000mm	1.982" / 50.340mm	0.276" / 7.000mm	Fluoro-Elastomer	35	713771
2.795" / 71.000mm	2.808" / 71.330mm	0.413" / 10.500mm	Polyacrylate	40	710583	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	714436
2.126" / 54.000mm	2.134" / 54.200mm	0.374" / 9.500mm	Polyacrylate	40	710616	2.500" / 63.500mm	2.513" / 63.830mm	0.435" / 11.050mm	Nitrile	35	7687S
1.890" / 48.000mm	1.895" / 48.130mm	0.394" / 10.000mm	PTFE	32	710618	<b>1.380" / 35.050mm Shaft</b>					
2.992" / 76.000mm	3.000" / 76.200mm	0.315" / 8.000mm	Polyacrylate	40	710629	2.288" / 58.190mm	2.291" / 58.240mm	0.453" / 11.500mm	Fluoro-Elastomer	87	710429
2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Polyacrylate	40	710630	<b>1.399" / 35.530mm Shaft</b>					
3.268" / 83.000mm	3.275" / 83.190mm	0.315" / 8.000mm	Polyacrylate	74	710656	2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	47	470672
2.205" / 56.000mm	2.213" / 56.200mm	0.472" / 12.000mm	Polyacrylate	40	710666	2.482" / 63.040mm	2.750" / 69.850mm	0.310" / 7.870mm	Fluoro-Elastomer	74	4795V
						2.290" / 58.166mm	2.294" / 58.270mm	0.500" / 12.700mm	Nitrile	74	710166

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.399" / 35.530mm Shaft (Cont.)</b>						<b>1.437" / 36.500mm Shaft (Cont.)</b>					
2.292" / 58.220mm	2.296" / 58.320mm	0.460" / 11.680mm	Nitrile	48	8660S	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470062
<b>1.400" / 35.560mm Shaft</b>						<b>1.453" / 36.900mm Shaft</b>					
2.282" / 57.960mm	2.288" / 58.120mm	0.547" / 13.890mm	Fluoro-Elastomer	86	4857	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	47	470808
<b>1.406" / 35.710mm Shaft</b>						<b>1.457" / 37.000mm Shaft</b>					
2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Leather	5L	50126	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	47	471405
<b>1.417" / 36.000mm Shaft</b>						<b>1.438" / 36.525mm Shaft</b>					
2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Fluoro-Elastomer	48	1965	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471862
2.165" / 55.000mm	2.169" / 55.090mm	0.437" / 11.100mm	Nitrile	47	2003N	2.312" / 58.720mm	2.316" / 58.830mm	0.375" / 9.530mm	Nitrile	47	472655
1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	223601	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	473016
1.929" / 49.000mm	1.940" / 49.280mm	0.276" / 7.000mm	Silicone	32	223602	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	473224
1.969" / 50.000mm	1.972" / 50.080mm	0.276" / 7.000mm	Nitrile	47	223605	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473225
2.047" / 52.000mm	2.055" / 52.200mm	0.394" / 10.000mm	Nitrile	32	223608	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473226
1.953" / 49.610mm	1.961" / 49.810mm	0.276" / 7.010mm	Polyacrylate	32	321417N	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	473437
1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	36X47X7	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47	474264
1.969" / 50.000mm	1.972" / 50.080mm	0.276" / 7.000mm	Nitrile	47	36X50X7	1.988" / 50.500mm	1.992" / 50.600mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710611
2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	35	36X52X7	<b>1.457" / 37.000mm Shaft</b>					
2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Nitrile	35	36X54X8	1.969" / 50.000mm	1.978" / 50.250mm	0.236" / 6.000mm	Polyacrylate	32	223750
2.205" / 56.000mm	2.215" / 56.250mm	0.394" / 10.000mm	Nitrile	35	36X56X10	2.047" / 52.000mm	2.058" / 52.280mm	0.315" / 8.000mm	Nitrile	35	37X52X8
2.283" / 58.000mm	2.293" / 58.230mm	0.472" / 12.000mm	Nitrile	35	36X58X12	2.441" / 62.000mm	2.451" / 62.260mm	0.551" / 14.000mm	Nitrile	#	4989
2.283" / 58.000mm	2.293" / 58.250mm	0.315" / 8.000mm	Nitrile	47	36X58X8	2.441" / 62.000mm	2.450" / 62.230mm	0.394" / 10.000mm	Nitrile	40	710228
2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	32	36X60X7	2.205" / 56.000mm	2.213" / 56.200mm	0.492" / 12.500mm	Fluoro-Elastomer	32	710259
2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	36X62X7	1.988" / 50.500mm	1.996" / 50.700mm	0.276" / 7.000mm	Polyacrylate	32	710355
2.677" / 68.000mm	2.688" / 68.280mm	0.394" / 10.000mm	Nitrile	35	36X68X10	3.087" / 78.400mm	3.095" / 78.600mm	0.433" / 11.000mm	Fluoro-Elastomer	85	710662
2.283" / 58.000mm	2.295" / 58.300mm	0.315" / 8.000mm	Nitrile	47	474288	2.126" / 54.000mm	2.134" / 54.200mm	0.472" / 12.000mm	Polyacrylate	32	710807
2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	48	710057	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40	710913
1.732" / 44.000mm	1.741" / 44.230mm	0.197" / 5.000mm	Nitrile	32	710252	2.402" / 61.000mm	2.409" / 61.200mm	0.472" / 12.000mm	Polyacrylate	40	710985
1.811" / 46.000mm	1.815" / 46.100mm	0.354" / 9.000mm	Nitrile	33	710343	2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Polyacrylate	40	710997
2.165" / 55.000mm	2.178" / 55.320mm	0.433" / 11.000mm	Nitrile	65	710479	2.520" / 64.000mm	2.530" / 64.250mm	0.394" / 10.000mm	Polyacrylate	40	711015
2.638" / 67.000mm	2.646" / 67.200mm	0.472" / 12.000mm	Fluoro-Elastomer	87	710592	2.638" / 67.000mm	2.646" / 67.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40	711018
2.402" / 61.000mm	2.409" / 61.200mm	0.394" / 10.000mm	Ethylene-Acrylic	87	710709	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	40	711096
2.323" / 59.000mm	2.331" / 59.200mm	0.394" / 10.000mm	Polyacrylate	#	710954	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Polyacrylate	32	711103
<b>1.437" / 36.500mm Shaft</b>						<b>1.457" / 37.000mm Shaft</b>					
2.061" / 52.350mm	2.066" / 52.480mm	0.312" / 7.920mm	Nitrile	47	3395	<b>1.457" / 37.000mm Shaft</b>					
2.000" / 50.800mm	2.006" / 50.950mm	0.125" / 3.180mm	Nitrile	34	340930	<b>1.457" / 37.000mm Shaft</b>					

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.468" / 37.290mm Shaft</b>						<b>1.496" / 38.000mm Shaft (Cont.)</b>					
2.375" / 60.330mm	2.379" / 60.430mm	0.375" / 9.530mm	Nitrile	47	473438	2.126" / 54.000mm	2.138" / 54.300mm	0.276" / 7.000mm	Nitrile	48	239146
2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47	473439	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Polyacrylate	32	321416
<b>1.470" / 37.340mm Shaft</b>						2.049" / 52.040mm	2.053" / 52.150mm	0.250" / 6.350mm	Nitrile	283	3357
2.913" / 74.000mm	2.920" / 74.170mm	0.383" / 9.728mm	Nitrile	79	710566	1.969" / 50.000mm	1.978" / 50.250mm	0.276" / 7.000mm	Nitrile	35	38X50X7
<b>1.476" / 37.750mm Shaft</b>						2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	38X52X7
2.953" / 75.000mm	2.961" / 75.200mm	0.571" / 14.500mm	Nitrile	#	710688	2.087" / 53.000mm	2.094" / 53.200mm	0.315" / 8.000mm	Nitrile	32	38X53X8
<b>1.479" / 37.570mm Shaft</b>						2.126" / 54.000mm	2.133" / 54.180mm	0.276" / 7.000mm	Nitrile	48	38X54X7
2.563" / 65.100mm	2.567" / 65.200mm	0.470" / 11.940mm	Nitrile	49	710304	2.165" / 55.000mm	2.174" / 55.230mm	0.276" / 7.000mm	Polyacrylate	32	38X55X7
<b>1.480" / 37.600mm Shaft</b>						2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Nitrile	47	38X58X8
1.929" / 49.000mm	1.941" / 49.300mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710531	<b>1.484" / 37.690mm Shaft</b>					
<b>1.484" / 37.690mm Shaft</b>						2.362" / 60.000mm	2.376" / 60.350mm	0.394" / 10.000mm	Nitrile	32	38X60X10
2.254" / 57.250mm	2.258" / 57.350mm	0.250" / 6.350mm	Leather	4L	40468	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32	38X60X8
2.254" / 57.250mm	2.258" / 57.350mm	0.312" / 7.920mm	Leather	5L	50468	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	32	38X68X8
<b>1.484" / 37.700mm Shaft</b>						2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	35	38X70X10
2.375" / 60.330mm	2.388" / 60.650mm	0.433" / 11.000mm	Polyacrylate	79	710441	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Nitrile	35	38X72X10
<b>1.491" / 37.870mm Shaft</b>						2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	32	38X74X11
2.191" / 55.650mm	2.195" / 55.750mm	0.250" / 6.350mm	Nitrile	48	8597S	2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Nitrile	32	38X74X8
<b>1.496" / 38.000mm Shaft</b>						3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	38X90X8
2.323" / 59.000mm	2.335" / 59.300mm	0.354" / 9.000mm	Polyacrylate	32	1038	2.126" / 54.000mm	2.130" / 54.100mm	0.984" / 25.000mm	PTFE	#	39875
2.087" / 53.000mm	2.098" / 53.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32	1120	2.058" / 52.270mm	2.063" / 52.400mm	0.250" / 6.350mm	Nitrile	48	482415
2.047" / 52.000mm	2.057" / 52.250mm	0.335" / 8.500mm	Nitrile	32	1174	2.283" / 58.000mm	2.294" / 58.270mm	0.394" / 10.000mm	Polyacrylate	40	710139
2.559" / 65.000mm	2.570" / 65.270mm	0.472" / 12.000mm	Polyacrylate	#	1176	1.929" / 49.000mm	1.937" / 49.200mm	0.315" / 8.000mm	Polyacrylate	62	710247
2.913" / 74.000mm	2.924" / 74.270mm	0.433" / 11.000mm	Polyacrylate	32	1177	2.047" / 52.000mm	2.055" / 52.200mm	0.236" / 6.000mm	Nitrile	40	710309
2.047" / 52.000mm	2.057" / 52.250mm	0.236" / 6.000mm	Nitrile	47	1196	2.283" / 58.000mm	2.287" / 58.100mm	0.433" / 11.000mm	Nitrile	47	710319
2.480" / 63.000mm	2.485" / 63.120mm	0.394" / 10.000mm	Polyacrylate	#	2009	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Fluoro-Elastomer	48	710524
1.969" / 50.000mm	1.980" / 50.280mm	0.413" / 10.500mm	Polyacrylate	32	223800	2.559" / 65.000mm	2.567" / 65.210mm	0.394" / 10.000mm	Polyacrylate	40	710594
1.969" / 50.000mm	1.980" / 50.280mm	0.236" / 6.000mm	Nitrile	32	223801	1.969" / 50.000mm	1.977" / 50.220mm	0.315" / 8.000mm	Polyacrylate	32	710613
1.969" / 50.000mm	1.977" / 50.220mm	0.315" / 8.000mm	Polyacrylate	32	223802	2.283" / 58.000mm	2.291" / 58.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	710619
1.850" / 47.000mm	1.854" / 47.100mm	0.276" / 7.000mm	Nitrile	25	223805	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	710642
2.087" / 53.000mm	2.098" / 53.300mm	0.315" / 8.000mm	Nitrile	32	223822	1.969" / 50.000mm	1.976" / 50.200mm	0.248" / 6.300mm	Fluoro-Elastomer	32	710711
2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Polyacrylate	32	223830	3.346" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710713
2.165" / 55.000mm	2.175" / 55.250mm	0.354" / 9.000mm	Polyacrylate	32	223831	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710715
2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Nitrile	47	223840	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	40	710716
2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Fluoro-Elastomer	48	223842	2.441" / 62.000mm	2.449" / 62.200mm	0.354" / 9.000mm	Polyacrylate	40	710721
2.362" / 60.000mm	2.376" / 60.350mm	0.315" / 8.000mm	Nitrile	35	223843						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.496" / 38.000mm Shaft (Cont.)</b>						<b>1.500" / 38.100mm Shaft (Cont.)</b>					
2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710737	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450326
1.929" / 49.000mm	1.937" / 49.200mm	0.709" / 18.000mm	PTFE	86	710769	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450461
2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Fluoro-Elastomer	40	710823	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450523
1.969" / 50.000mm	1.976" / 50.200mm	0.276" / 7.000mm	Fluoro-Elastomer	41	710834	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450540
2.008" / 51.000mm	2.016" / 51.200mm	0.472" / 12.000mm	Polyacrylate	#	710982	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45	450984
2.154" / 54.700mm	2.161" / 54.900mm	0.315" / 8.000mm	Ethylene-Acrylic	40	710986	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	451857
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	40	710989	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Polyacrylate	45	452554N
2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711049	2.254" / 57.250mm	2.258" / 57.350mm	0.312" / 7.920mm	Nitrile	45	453065
2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Polyacrylate	40	711095	3.544" / 90.020mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455308
<b>1.500" / 38.100mm Shaft</b>						2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	47	470059
2.256" / 57.300mm	2.260" / 57.400mm	0.270" / 6.860mm	Nitrile	200E	200859	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	47	470077
2.462" / 62.530mm	2.482" / 63.040mm	0.290" / 7.370mm	Nitrile	200E	200861	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	470380
2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	203	203013	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	470380K
2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204	204013	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47	470380V
2.372" / 60.250mm	2.376" / 60.350mm	0.350" / 8.890mm	Polyacrylate	88	2194	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470394
2.000" / 50.800mm	2.010" / 51.050mm	0.187" / 4.750mm	Nitrile	24	240319	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470451
1.874" / 47.600mm	1.879" / 47.730mm	0.250" / 6.350mm	Nitrile	25	253099	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	470487
2.000" / 50.800mm	2.008" / 51.000mm	0.315" / 8.000mm	Nitrile	32	321412	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Polyacrylate	47	470487N
2.249" / 57.120mm	2.253" / 57.230mm	0.360" / 9.150mm	Polyacrylate	75	331228H	2.250" / 57.150mm	2.254" / 57.250mm	0.375" / 9.530mm	Nitrile	47	470548
2.250" / 57.150mm	2.258" / 57.350mm	0.250" / 6.350mm	Nitrile	34	340136	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	470625
1.874" / 47.600mm	1.880" / 47.750mm	0.250" / 6.350mm	Nitrile	34	343099	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	470625K
2.125" / 53.980mm	2.134" / 54.200mm	0.437" / 11.100mm	Nitrile	35	350394	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	47	470625V
1.989" / 50.520mm	1.993" / 50.620mm	0.285" / 7.240mm	Nitrile	287	3677	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471344
2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S	40059S	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47	471820
2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	4S	40063S	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	471915
1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Leather	4L	40382	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471958
2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	41	410059	2.377" / 60.380mm	2.381" / 60.480mm	0.500" / 12.700mm	Nitrile	47	472189A
2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	41	410190	3.150" / 80.010mm	3.155" / 80.140mm	0.500" / 12.700mm	Nitrile	47	472446
1.989" / 50.520mm	1.993" / 50.620mm	0.250" / 6.350mm	Leather	4L	41257	2.048" / 52.020mm	2.052" / 52.120mm	0.375" / 9.530mm	Nitrile	47	472466
2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	41461S	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	472554
1.938" / 49.230mm	1.942" / 49.330mm	0.250" / 6.350mm	Nitrile	4S	42260S	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	473227
1.983" / 50.370mm	1.988" / 50.500mm	0.187" / 4.750mm	Nitrile	44	443018	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473227V
2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450067	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473228

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.500" / 38.100mm Shaft (Cont.)</b>						<b>1.502" / 38.150mm Shaft (Cont.)</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473228V	2.136" / 54.250mm	2.144" / 54.450mm	0.488" / 12.400mm	Polyacrylate	#	710760
2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473440	<b>1.503" / 38.180mm Shaft</b>					
1.983" / 50.370mm	1.988" / 50.500mm	0.250" / 6.350mm	Nitrile	47	474276	2.376" / 60.350mm	2.383" / 60.530mm	0.420" / 10.670mm	Polyacrylate	88	4370N
1.983" / 50.370mm	1.988" / 50.500mm	0.250" / 6.350mm	Fluoro-Elastomer	47	474276V	2.374" / 60.300mm	2.379" / 60.430mm	0.374" / 9.500mm	Polyacrylate	79	4934
2.758" / 70.050mm	2.763" / 70.180mm	0.312" / 7.920mm	Nitrile	47	474281	<b>1.504" / 38.200mm Shaft</b>					
2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	48	480630	2.375" / 60.330mm	2.381" / 60.470mm	0.362" / 9.200mm	Fluoro-Elastomer	40	710691
2.222" / 56.440mm	2.226" / 56.540mm	0.312" / 7.920mm	Nitrile	48	480844	<b>1.512" / 38.400mm Shaft</b>					
2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	48	480991	2.322" / 58.980mm	2.337" / 59.280mm	0.339" / 8.500mm	PTFE	32	710605
2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	48	481163	<b>1.516" / 38.500mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48	481837	2.087" / 53.000mm	2.096" / 53.230mm	0.315" / 8.000mm	Polyacrylate	32	710233
2.502" / 63.550mm	2.506" / 63.650mm	0.437" / 11.100mm	Nitrile	48	51098	2.283" / 58.000mm	2.291" / 58.200mm	0.433" / 11.000mm	Polyacrylate	32	710318
2.249" / 57.120mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	47	5115	1.988" / 50.500mm	1.996" / 50.700mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710859
2.187" / 55.550mm	2.187" / 55.550mm	0.500" / 12.700mm	Leather	8L	6312	<b>1.521" / 38.630mm Shaft</b>					
2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Felt	21	6545	2.656" / 67.460mm	2.660" / 67.560mm	0.425" / 10.800mm	Polyacrylate	75	710532
1.997" / 50.720mm	2.001" / 50.830mm	0.531" / 13.490mm	Nitrile	1S	6759S	2.661" / 67.590mm	2.669" / 67.790mm	0.445" / 11.300mm	Nitrile	75	710547
2.000" / 50.800mm	2.005" / 50.930mm	0.250" / 6.350mm	Urethane	#	710023	2.656" / 67.460mm	2.660" / 67.560mm	0.424" / 10.770mm	Nitrile	74	8610
1.875" / 47.630mm	1.880" / 47.750mm	0.188" / 4.780mm	Nitrile	34	710044	2.656" / 67.460mm	2.660" / 67.560mm	0.594" / 15.090mm	Nitrile	74	8611N
2.500" / 63.500mm	2.512" / 63.800mm	0.354" / 9.000mm	PTFE	35	710414	<b>1.523" / 38.680mm Shaft</b>					
2.377" / 60.38mm	2.385" / 60.58mm	0.433" / 11.000mm	Nitrile	40	710426	2.714" / 68.940mm	2.718" / 69.040mm	0.500" / 12.700mm	Nitrile	48	8940S
2.247" / 57.070mm	2.253" / 57.230mm	0.239" / 6.070mm	Polyacrylate	75	710628	<b>1.531" / 38.890mm Shaft</b>					
2.311" / 58.700mm	2.315" / 58.800mm	0.500" / 12.700mm	Fluoro-Elastomer	#	712023	2.374" / 60.300mm	2.378" / 60.400mm	0.375" / 9.530mm	Nitrile	45	452222
2.062" / 52.370mm	2.066" / 52.480mm	0.240" / 6.100mm	Nitrile	24	7537S	2.374" / 60.300mm	2.379" / 60.430mm	0.375" / 9.530mm	Nitrile	47	472222
2.372" / 60.250mm	2.376" / 60.350mm	0.420" / 10.668mm	Polyacrylate	79	7692S	<b>1.532" / 38.920mm Shaft</b>					
2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	48	7886S	3.143" / 79.820mm	3.146" / 79.920mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710673
2.328" / 59.131mm	2.332" / 59.233mm	0.500" / 12.700mm	Nitrile	#	797705	<b>1.535" / 39.000mm Shaft</b>					
2.064" / 52.426mm	2.068" / 52.527mm	0.375" / 9.525mm	Fluoroelastomer	#	797706	1.988" / 50.500mm	1.998" / 50.750mm	0.335" / 8.500mm	Nitrile	25	1126
1.997" / 50.724mm	2.003" / 50.876mm	0.250" / 6.350mm	Fluoroelastomer	#	797716	2.244" / 57.000mm	2.259" / 57.380mm	0.380" / 9.650mm	Fluoro-Elastomer	32	324204
2.502" / 63.551mm	2.506" / 63.652mm	0.250" / 6.350mm	Nitrile	#	797721	2.323" / 59.000mm	2.335" / 59.300mm	0.433" / 11.000mm	Nitrile	40	710118
2.260" / 57.400mm	2.264" / 57.510mm	0.405" / 10.290mm	Nitrile	41	9363S	1.969" / 50.000mm	1.980" / 50.290mm	0.433" / 11.000mm	Polyacrylate	35	710120
2.377" / 60.380mm	2.381" / 60.480mm	0.470" / 11.940mm	Nitrile	71	9613S	2.244" / 57.000mm	2.252" / 57.200mm	0.591" / 15.000mm	Polyacrylate	40	710122
<b>1.502" / 38.150mm Shaft</b>						2.244" / 57.000mm	2.252" / 57.200mm	0.433" / 11.000mm	Polyacrylate	40	710123
2.126" / 54.000mm	2.132" / 54.150mm	0.492" / 12.500mm	Polyacrylate	96	4530	2.323" / 59.000mm	2.334" / 59.280mm	0.472" / 12.000mm	Polyacrylate	40	710214
2.377" / 60.380mm	2.381" / 60.480mm	0.374" / 9.500mm	Polyacrylate	86	4583	2.047" / 52.000mm	2.051" / 52.100mm	0.236" / 6.000mm	Nitrile	66	710338
						2.126" / 54.000mm	2.130" / 54.100mm	0.236" / 6.000mm	Nitrile	49	710404
						2.094" / 53.200mm	2.098" / 53.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710451
						2.835" / 72.000mm	2.844" / 72.240mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710486

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.535" / 39.000mm Shaft (Cont.)</b>						<b>1.562" / 39.670mm Shaft</b>					
2.480" / 63.000mm	2.488" / 63.200mm	0.339" / 8.600mm	Fluoro-Elastomer	32	710582	2.531" / 64.290mm	2.621" / 66.570mm	0.285" / 7.240mm	Nitrile	200E	200640
2.323" / 59.000mm	2.335" / 59.320mm	0.315" / 8.000mm	Polyacrylate	40	710632	2.237" / 56.820mm	2.257" / 57.330mm	0.290" / 7.370mm	Nitrile	200E	200887
2.480" / 63.000mm	2.488" / 63.200mm	0.413" / 10.500mm	Fluoro-Elastomer	40	710738	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Fluoro-Elastomer	33	330749V
2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40	710772	2.096" / 53.240mm	2.102" / 53.390mm	0.250" / 6.350mm	Nitrile	34	340927
1.969" / 50.000mm	1.976" / 50.200mm	0.854" / 21.700mm	Polyacrylate	#	710918	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	PTFE	FW-H	39711
3.228" / 82.000mm	3.236" / 82.200mm	0.512" / 13.000mm	Polyacrylate	40	710921	2.062" / 52.370mm	2.067" / 52.500mm	0.188" / 4.780mm	PTFE	FW-H	39920
2.362" / 60.000mm	2.370" / 60.200mm	0.406" / 10.300mm	Polyacrylate	40	710922	2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S	40438S
2.323" / 59.000mm	2.331" / 59.200mm	0.531" / 13.500mm	Polyacrylate	40	710984	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45	450143
2.323" / 59.000mm	2.331" / 59.200mm	0.394" / 10.000mm	Polyacrylate	40	711073	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450185
3.161" / 80.300mm	3.169" / 80.500mm	0.354" / 9.000mm	Fluoro-Elastomer	87	711105	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Fluoro-Elastomer	45	450185V
<b>1.550" / 39.370mm Shaft</b>						<b>1.552" / 39.420mm Shaft</b>					
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	8695S	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45	450273
<b>1.552" / 39.420mm Shaft</b>						<b>1.555" / 39.500mm Shaft</b>					
2.400" / 60.950mm	2.402" / 61.011mm	0.415" / 10.540mm	Nitrile	72	4244	2.717" / 69.000mm	2.724" / 69.200mm	0.531" / 13.500mm	Nitrile	40	710686
3.160" / 80.260mm	3.166" / 80.420mm	0.567" / 13.460mm	Fluoro-Elastomer	72	4434V	<b>1.558" / 39.570mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	47	472635	2.372" / 60.250mm	2.376" / 60.350mm	0.350" / 8.890mm	Nitrile	79	2506
3.160" / 80.260mm	3.165" / 80.390mm	0.608" / 15.440mm	Fluoro-Elastomer	74	4941V	2.250" / 57.150mm	2.254" / 57.250mm	0.437" / 11.099mm	Nitrile	79	8935S
3.160" / 80.260mm	3.165" / 80.390mm	0.645" / 16.383mm	Polyacrylate	72	5778	<b>1.560" / 39.600mm Shaft</b>					
3.160" / 80.260mm	3.165" / 80.390mm	0.645" / 16.383mm	Fluoro-Elastomer	72	5778V	2.447" / 62.150mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	86	710657
2.447" / 62.150mm	2.452" / 62.280mm	3.934" / 10.000mm	Nitrile	86	710046	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	47	711552
3.160" / 80.260mm	3.165" / 80.390mm	0.630" / 16.000mm	Fluoro-Elastomer	72	710461	<b>1.562" / 39.675mm Shaft</b>					
2.795" / 71.000mm	2.795" / 71.000mm	0.546" / 13.870mm	Fluoro-Elastomer	86	710482	66.642" / 2.623mm	2.627" / 66.726mm	0.625" / 15.875mm	Nitrile	41	5525
2.447" / 62.150mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	86	710657	<b>1.562" / 39.670mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	47	711552	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Leather	201	5796
<b>1.555" / 39.500mm Shaft</b>						<b>1.561" / 39.649mm Shaft</b>					
2.717" / 69.000mm	2.724" / 69.200mm	0.531" / 13.500mm	Nitrile	40	710686	2.565" / 65.151mm	2.570" / 65.278mm	0.314" / 7.976mm	Fluoro-Elastomer	74	710712
<b>1.558" / 39.570mm Shaft</b>						<b>1.562" / 39.670mm Shaft</b>					
2.372" / 60.250mm	2.376" / 60.350mm	0.350" / 8.890mm	Nitrile	79	2506	2.684" / 68.170mm	2.701" / 68.610mm	0.250" / 6.350mm	Nitrile	26	6336S
2.250" / 57.150mm	2.254" / 57.250mm	0.437" / 11.099mm	Nitrile	79	8935S	2.062" / 52.370mm	2.066" / 52.480mm	0.200" / 5.080mm	Nitrile	44	7994S
<b>1.560" / 39.600mm Shaft</b>						<b>1.562" / 39.675mm Shaft</b>					
2.717" / 69.000mm	2.724" / 69.200mm	0.610" / 15.500mm	Polyacrylate	#	710491	<b>1.562" / 39.670mm Shaft</b>					
2.622" / 66.600mm	2.630" / 66.800mm	0.551" / 14.000mm	Polyacrylate	#	710492	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Leather	201	5796
<b>1.561" / 39.649mm Shaft</b>						<b>1.562" / 39.670mm Shaft</b>					
2.565" / 65.151mm	2.570" / 65.278mm	0.314" / 7.976mm	Fluoro-Elastomer	74	710712	2.684" / 68.170mm	2.701" / 68.610mm	0.250" / 6.350mm	Nitrile	26	6336S
<b>1.562" / 39.670mm Shaft</b>						<b>1.562" / 39.670mm Shaft</b>					
2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Leather	201	5796	2.062" / 52.370mm	2.066" / 52.480mm	0.200" / 5.080mm	Nitrile	44	7994S

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.562" / 39.670mm Shaft (Cont.)</b>						<b>1.575" / 40.000mm Shaft (Cont.)</b>					
2.441" / 62.000mm	2.457" / 62.410mm	0.500" / 12.700mm	Nitrile	32	8160S	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	35	40X50X8
2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	33	8421S	2.047" / 52.000mm	2.057" / 52.250mm	0.276" / 7.000mm	Nitrile	32	40X52X7
<b>1.563" / 39.700mm Shaft</b>						2.126" / 54.000mm	2.134" / 54.200mm	0.217" / 5.500mm	Nitrile	47	40X54X6
2.047" / 51.994mm	2.053" / 52.146mm	0.276" / 7.010mm	Fluoroelastomer	47	477722	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	32	40X55X8
2.062" / 52.375mm	2.066" / 52.476mm	0.250" / 6.350mm	Nitrile	48	487519	2.205" / 56.000mm	2.213" / 56.200mm	0.276" / 7.000mm	Nitrile	32	40X56X7
<b>1.565" / 39.750mm Shaft</b>						2.244" / 57.000mm	2.252" / 57.200mm	0.394" / 10.000mm	Nitrile	32	40X57X10
2.372" / 60.250mm	2.382" / 60.500mm	0.394" / 10.000mm	Nitrile	40	710198	2.283" / 58.000mm	2.294" / 58.280mm	0.394" / 10.000mm	Nitrile	32	40X58X10
<b>1.567" / 39.800mm Shaft</b>						2.362" / 60.000mm	2.370" / 60.200mm	0.394" / 10.000mm	Nitrile	32	40X60X10
2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710904	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	35	40X62X7
<b>1.574" / 39.980mm Shaft</b>						2.441" / 62.000mm	2.451" / 62.250mm	0.315" / 8.000mm	Nitrile	32	40X62X8
2.410" / 61.210mm	2.415" / 61.340mm	0.540" / 13.720mm	Fluoro-Elastomer	32	714569	2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	32	40X65X10
<b>1.575" / 40.000mm Shaft</b>						2.677" / 68.000mm	2.687" / 68.250mm	0.472" / 12.000mm	Nitrile	35	40X68X12
2.992" / 76.000mm	3.002" / 76.250mm	0.354" / 9.000mm	Nitrile	40	1036	2.677" / 68.000mm	2.709" / 68.800mm	0.315" / 8.000mm	Nitrile	35	40X68X8
2.992" / 76.000mm	3.003" / 76.280mm	0.492" / 12.500mm	Polyacrylate	32	1146	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	40X70X8
2.126" / 54.000mm	2.130" / 54.100mm	0.217" / 5.500mm	Polyacrylate	47	1213N	2.835" / 72.000mm	2.848" / 72.350mm	0.276" / 7.000mm	Nitrile	35	40X72X7
2.520" / 64.000mm	2.524" / 64.100mm	0.394" / 10.000mm	Polyacrylate	74	1216N	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	32	40X75X8
2.047" / 52.000mm	2.058" / 52.280mm	0.354" / 9.000mm	Polyacrylate	35	1217	3.071" / 78.000mm	3.102" / 78.800mm	0.315" / 8.000mm	Nitrile	32	40X78X8
2.047" / 52.000mm	2.052" / 52.120mm	0.295" / 7.500mm	Nitrile	78	1962	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	35	40X80X10
2.953" / 75.000mm	2.963" / 75.260mm	0.472" / 12.000mm	Polyacrylate	40	2011	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	35	40X90X8
2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	35	224010	2.677" / 68.000mm	2.685" / 68.200mm	0.472" / 12.000mm	Polyacrylate	#	4141
2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32	224015	2.047" / 52.000mm	2.056" / 52.220mm	0.354" / 9.000mm	Nitrile	#	4175
2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Polyacrylate	32	224020	2.165" / 55.000mm	2.169" / 55.090mm	0.315" / 8.000mm	Nitrile	47	473677
2.205" / 56.000mm	2.215" / 56.250mm	0.276" / 7.000mm	Polyacrylate	48	224025	2.913" / 74.000mm	2.918" / 74.120mm	0.394" / 10.000mm	Nitrile	47	474133
2.205" / 56.000mm	2.215" / 56.260mm	0.276" / 7.000mm	Fluoro-Elastomer	35	224026	2.953" / 75.000mm	2.965" / 75.300mm	0.472" / 12.000mm	Nitrile	40	710113
2.362" / 60.000mm	2.370" / 60.200mm	0.394" / 10.000mm	Nitrile	35	224040	2.205" / 56.000mm	2.213" / 56.200mm	0.394" / 10.000mm	Nitrile	40	710134
2.441" / 62.000mm	2.452" / 62.270mm	0.433" / 11.000mm	Nitrile	32	224045	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	40	710147
2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32	224052	2.441" / 62.000mm	2.452" / 62.270mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710196
2.047" / 52.000mm	2.052" / 52.120mm	0.276" / 7.000mm	Fluoro-Elastomer	32	224053	2.441" / 62.000mm	2.453" / 62.300mm	0.256" / 6.500mm	Nitrile	32	710227
2.480" / 63.000mm	2.492" / 63.300mm	0.315" / 8.000mm	Polyacrylate	40	224063	2.756" / 70.000mm	2.764" / 70.200mm	0.571" / 14.500mm	Polyacrylate	91	710250
2.598" / 66.000mm	2.610" / 66.300mm	0.315" / 8.000mm	Polyacrylate	40	224066	2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Polyacrylate	32	710287
2.677" / 68.000mm	2.681" / 68.100mm	0.354" / 9.000mm	Polyacrylate	40	224068	2.185" / 55.500mm	2.193" / 55.700mm	0.354" / 9.000mm	Nitrile	#	710300
2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	35	224100	2.047" / 52.000mm	2.055" / 52.200mm	0.256" / 6.500mm	Nitrile	40	239201
2.047" / 52.000mm	2.055" / 52.200mm	0.256" / 6.500mm	Nitrile	40	239201	2.283" / 58.000mm	2.289" / 58.140mm	0.354" / 9.000mm	Polyacrylate	74	3459
2.283" / 58.000mm	2.289" / 58.140mm	0.354" / 9.000mm	Polyacrylate	74	3459	2.835" / 72.000mm	2.848" / 72.350mm	0.276" / 7.000mm	Fluoro-Elastomer	35	350572
2.835" / 72.000mm	2.848" / 72.350mm	0.276" / 7.000mm	Fluoro-Elastomer	35	350572						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.575" / 40.000mm Shaft (Cont.)</b>						<b>1.575" / 40.000mm Shaft (Cont.)</b>					
2.520" / 64.000mm	2.524" / 64.100mm	0.472" / 12.000mm	Nitrile	66	710326	2.756" / 70.000mm	2.764" / 70.200mm	0.512" / 13.000mm	Fluoro-Elastomer	40	710983
2.244" / 57.000mm	2.252" / 57.200mm	0.394" / 10.000mm	Nitrile	32	710432	2.362" / 60.000mm	2.370" / 60.200mm	0.370" / 9.400mm	Fluoro-Elastomer	74	710999
2.126" / 54.000mm	2.134" / 54.200mm	0.236" / 6.000mm	Nitrile	32	710444	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711005
2.283" / 58.000mm	2.293" / 58.240mm	0.236" / 6.000mm	Nitrile	32	710505	2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Polyacrylate	40	711013
2.283" / 58.000mm	2.291" / 58.200mm	0.335" / 8.500mm	Polyacrylate	40	710512	2.913" / 74.000mm	2.921" / 74.200mm	0.335" / 8.500mm	Polyacrylate	32	711021
2.835" / 72.000mm	2.843" / 72.200mm	0.433" / 11.000mm	Nitrile	40	710523	2.559" / 65.000mm	2.567" / 65.200mm	0.256" / 6.500mm	Fluoro-Elastomer	74	711022
2.618" / 66.500mm	2.626" / 66.700mm	0.748" / 19.000mm	Polyacrylate	#	710530	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Polyacrylate	40	711034
2.362" / 60.000mm	2.367" / 60.120mm	0.217" / 5.500mm	Fluoro-Elastomer	32	710539	2.524" / 64.100mm	2.531" / 64.300mm	0.453" / 11.500mm	Fluoro-Elastomer	#	711065
2.206" / 56.000mm	2.209" / 56.120mm	0.394" / 10.000mm	Polyacrylate	57	710540	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	#	711116
2.717" / 69.000mm	2.724" / 69.200mm	0.606" / 15.400mm	Nitrile	32	710548	2.953" / 75.000mm	2.961" / 75.200mm	0.472" / 12.000mm	Nitrile	32	712011
2.953" / 75.000mm	2.959" / 75.150mm	0.472" / 12.000mm	Fluoro-Elastomer	87	710591	2.205" / 56.000mm	2.215" / 56.260mm	0.394" / 10.000mm	Nitrile	32	712551
2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40	710598	<b>1.578" / 40.080mm Shaft</b>					
2.953" / 75.000mm	2.961" / 75.200mm	0.433" / 11.000mm	Polyacrylate	40	710670	2.408" / 61.160mm	2.412" / 61.260mm	0.500" / 12.700mm	Nitrile	45	450666
2.283" / 58.000mm	2.291" / 58.200mm	0.354" / 9.000mm	Ethylene-Acrylic	32	710677	<b>1.593" / 40.460mm Shaft</b>					
2.830" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Ethylene-Acrylic	32	710678	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	450065
2.953" / 75.000mm	2.957" / 75.100mm	0.591" / 15.000mm	Polyacrylate	#	710687	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45	450274
2.283" / 58.000mm	2.291" / 58.200mm	0.433" / 11.000mm	Polyacrylate	32	710689	2.623" / 66.620mm	2.627" / 66.730mm	0.340" / 8.640mm	Nitrile	45	451469
2.165" / 55.000mm	2.173" / 55.200mm	0.289" / 7.330mm	Fluoro-Elastomer	32	710717	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	48	482253
2.520" / 64.000mm	2.528" / 64.200mm	0.394" / 10.000mm	Polyacrylate	40	710727	<b>1.594" / 40.490mm Shaft</b>					
2.520" / 64.000mm	2.528" / 64.200mm	0.354" / 9.000mm	Polyacrylate	40	710731	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48	480581
2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Polyacrylate	40	710733	<b>1.594" / 40.500mm Shaft</b>					
2.441" / 62.000mm	2.449" / 62.200mm	0.433" / 11.000mm	Polyacrylate	32	710770	2.283" / 58.000mm	2.293" / 58.230mm	0.315" / 8.000mm	Nitrile	32	710140
2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710776	2.067" / 52.500mm	2.075" / 52.700mm	0.236" / 6.000mm	Polyacrylate	35	710436
2.283" / 58.000mm	2.291" / 58.200mm	0.441" / 11.200mm	Polyacrylate	74	710797	3.150" / 80.000mm	3.157" / 80.200mm	0.394" / 10.000mm	Polyacrylate	75	710736
2.165" / 55.000mm	2.173" / 55.200mm	0.295" / 7.500mm	Polyacrylate	40	710798	<b>1.598" / 40.590mm Shaft</b>					
2.165" / 55.000mm	2.170" / 55.100mm	0.472" / 12.000mm	Polyacrylate	#	710808	2.476" / 62.890mm	2.483" / 63.070mm	0.420" / 10.670mm	Polyacrylate	86	4764
2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Fluoro-Elastomer	40	710839	2.476" / 62.890mm	2.483" / 63.070mm	0.350" / 8.890mm	Fluoro-Elastomer	79	4765
2.618" / 66.500mm	2.626" / 66.700mm	0.748" / 19.000mm	Polyacrylate	#	710865	<b>1.602" / 40.700mm Shaft</b>					
2.559" / 65.000mm	2.567" / 65.200mm	0.256" / 6.500mm	Fluoro-Elastomer	74	710889	2.835" / 72.000mm	2.843" / 72.200mm	0.472" / 12.000mm	Nitrile	#	710710
2.992" / 76.000mm	3.000" / 76.200mm	0.276" / 7.000mm	Polyacrylate	32	710898	<b>1.605" / 40.770mm Shaft</b>					
2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710966	2.795" / 71.000mm	2.804" / 71.220mm	0.364" / 9.250mm	Polyacrylate	#	4674N
2.362" / 60.000mm	2.370" / 60.200mm	0.472" / 12.000mm	Polyacrylate	#	710967	2.560" / 65.020mm	2.565" / 65.150mm	0.369" / 9.373mm	Polyacrylate	90	714679
1.811" / 46.000mm	1.819" / 46.200mm	0.244" / 6.200mm	Fluoro-Elastomer	#	710973	<b>1.609" / 40.870mm Shaft</b>					
						2.435" / 61.850mm	2.441" / 62.000mm	0.300" / 7.620mm	Fluoro-Elastomer	75	2658V
						<b>1.610" / 40.890mm Shaft</b>					
						2.500" / 63.500mm	2.531" / 64.290mm	0.300" / 7.620mm	Nitrile	26	6283S

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.614" / 41.000mm Shaft</b>						<b>1.625" / 41.280mm Shaft (Cont.)</b>					
2.165" / 55.000mm	2.177" / 55.290mm	0.276" / 7.000mm	Nitrile	32	1180	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450078
2.087" / 53.000mm	2.096" / 53.250mm	0.276" / 7.000mm	Nitrile	41	1950	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450194
2.165" / 55.000mm	2.177" / 55.290mm	0.276" / 7.000mm	Nitrile	32	41X55X7	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45	450275
2.205" / 56.000mm	2.215" / 56.250mm	0.276" / 7.000mm	Nitrile	32	41X56X7	3.062" / 77.770mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	45	450335
2.323" / 59.000mm	2.327" / 59.100mm	0.394" / 10.000mm	Polyacrylate	98	710114	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450415
2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Polyacrylate	40	710141	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450467
2.441" / 62.000mm	2.450" / 62.230mm	0.354" / 9.000mm	Polyacrylate	32	710220	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45	450539
2.677" / 68.000mm	2.685" / 68.200mm	0.512" / 13.000mm	Nitrile	32	710402	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45	450819
2.402" / 61.000mm	2.407" / 61.140mm	0.630" / 16.000mm	Polyacrylate	32	710497	2.374" / 60.300mm	2.378" / 60.400mm	0.437" / 11.100mm	Nitrile	45	453341
2.435" / 61.850mm	2.440" / 61.980mm	0.299" / 7.590mm	Polyacrylate	32	710535	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470066
2.356" / 59.850mm	2.360" / 59.940mm	0.425" / 10.800mm	Polyacrylate	86	710541	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	47	470358
2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	40	710697	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47	471419
2.402" / 61.000mm	2.407" / 61.140mm	0.354" / 9.000mm	Fluoro-Elastomer	40	710747	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471829
3.701" / 94.000mm	3.713" / 94.300mm	0.945" / 24.000mm	Fluoro-Elastomer	#	710926	2.116" / 53.750mm	2.120" / 53.850mm	0.312" / 7.920mm	Nitrile	47	472419
2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Polyacrylate	#	710978	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473010
2.402" / 61.000mm	2.409" / 61.200mm	0.319" / 8.100mm	Fluoro-Elastomer	74	710979	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	47	473010N
2.205" / 56.000mm	2.210" / 56.130mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711181	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473010V
<b>1.618" / 41.097mm Shaft</b>						2.328" / 59.130mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	47	473117
2.841" / 72.160mm	2.849" / 72.360mm	0.500" / 12.700mm	Polyacrylate	74	4762N	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	473230
2.531" / 64.290mm	2.535" / 64.390mm	0.750" / 19.050mm	Nitrile	48	8477S	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473231
2.575" / 65.410mm	2.579" / 65.510mm	0.460" / 11.680mm	Nitrile	33	8835S	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473231V
<b>1.625" / 41.280mm Shaft</b>						2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	473232
2.251" / 57.180mm	2.255" / 57.280mm	0.375" / 9.530mm	Nitrile	48	1999	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47	473367
2.462" / 62.530mm	2.467" / 62.660mm	0.250" / 6.350mm	Nitrile	200E	200641	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473367V
2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204	204017	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	473443
2.562" / 65.070mm	2.566" / 65.180mm	0.250" / 6.350mm	Nitrile	4S	204500	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473444
2.328" / 59.130mm	2.332" / 59.230mm	0.406" / 10.310mm	Felt	205	205017	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47	473444V
2.562" / 65.070mm	2.566" / 65.180mm	0.375" / 9.530mm	Felt	29	291099	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47	473694
2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Leather	4L	40286	2.562" / 65.070mm	2.565" / 65.150mm	0.375" / 9.530mm	Nitrile	47	474216
2.625" / 66.680mm	2.629" / 66.780mm	0.250" / 6.350mm	Nitrile	4S	40568S	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	474274
2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	41	410358N	2.562" / 65.070mm	2.566" / 65.180mm	0.437" / 11.100mm	Nitrile	#	4763S
3.000" / 76.200mm	3.004" / 76.300mm	0.312" / 7.920mm	Nitrile	41	414268	<b>1.625" / 41.275mm Shaft</b>					
2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	450066	2.562" / 65.075mm	2.566" / 65.176mm	0.313" / 7.950mm	Fluoroelastomer	47	477708
2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450069						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.625" / 41.280mm Shaft</b>						<b>1.654" / 42.000mm Shaft (Cont.)</b>					
2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48	481181	2.559" / 65.000mm	2.565" / 65.150mm	0.394" / 10.000mm	Polyacrylate	47	224255
2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Polyacrylate	48	481181N	2.598" / 66.000mm	2.609" / 66.280mm	0.394" / 10.000mm	Nitrile	32	224266
2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	48	481864	2.835" / 72.000mm	2.845" / 72.270mm	0.394" / 10.000mm	Nitrile	32	224270
2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	48	483230V	2.165" / 55.000mm	2.170" / 55.120mm	0.315" / 8.000mm	Silicone	33	3051N
2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Fluoro-Elastomer	48	483367V	2.520" / 64.000mm	2.524" / 64.140mm	0.394" / 10.000mm	Polyacrylate	74	3622
<b>1.625" / 41.275mm Shaft</b>						2.205" / 56.000mm	2.218" / 56.340mm	0.276" / 7.000mm	Silicone	35	3774
2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	48	487539	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	32	42X55X7
<b>1.625" / 41.280mm Shaft</b>						2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	35	42X55X8
2.625" / 66.680mm	2.629" / 66.780mm	0.500" / 12.700mm	PTFE	5S	50568	2.205" / 56.000mm	2.210" / 56.130mm	0.276" / 7.000mm	Nitrile	32	42X56X7
2.625" / 66.680mm	2.629" / 66.780mm	0.500" / 12.700mm	PTFE	5S	50569	2.283" / 58.000mm	2.287" / 58.100mm	0.276" / 7.000mm	Nitrile	48	42X58X7
2.722" / 69.140mm	2.727" / 69.270mm	0.406" / 10.310mm	Felt	205	5727	2.362" / 60.000mm	2.371" / 60.220mm	0.276" / 7.000mm	Nitrile	32	42X60X7
2.282" / 57.960mm	2.286" / 58.060mm	0.313" / 7.950mm	Nitrile	48	710204	2.441" / 62.000mm	2.452" / 62.270mm	0.315" / 8.000mm	Nitrile	35	42X62X8
<b>1.625" / 41.270mm Shaft</b>						2.559" / 65.000mm	2.565" / 65.150mm	0.394" / 10.000mm	Polyacrylate	47	42X65X10
2.440" / 61.980mm	2.444" / 62.080mm	0.472" / 12.000mm	Nitrile	#	710403	2.677" / 68.000mm	2.685" / 68.200mm	0.394" / 10.000mm	Nitrile	32	42X68X10
2.440" / 61.980mm	2.446" / 62.130mm	0.417" / 10.600mm	Fluoro-Elastomer	66	710659	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	32	42X68X8
<b>1.628" / 41.350mm Shaft</b>						2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	32	42X70X10
2.125" / 53.980mm	2.131" / 54.130mm	0.342" / 8.700mm	Nitrile	30	710202	2.835" / 72.000mm	2.845" / 72.270mm	0.394" / 10.000mm	Nitrile	32	42X72X10
2.278" / 57.860mm	2.282" / 57.960mm	0.343" / 8.710mm	Nitrile	68	710241	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	42X72X8
<b>1.650" / 41.910mm Shaft</b>						3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32	42X80X8
2.282" / 57.960mm	2.336" / 59.330mm	0.768" / 19.510mm	Silicone	48	3083	2.638" / 67.000mm	2.643" / 67.130mm	0.282" / 7.160mm	Fluoro-Elastomer	83	4615V
2.410" / 61.210mm	2.414" / 61.320mm	0.361" / 9.170mm	Nitrile	74	710102	2.205" / 56.000mm	2.211" / 56.160mm	0.276" / 7.000mm	Polyacrylate	47	473560N
2.633" / 66.880mm	2.638" / 67.010mm	0.963" / 24.460mm	Polyacrylate	298	710701	2.283" / 58.000mm	2.290" / 58.170mm	0.276" / 7.000mm	Fluoro-Elastomer	47	474241V
<b>1.653" / 42.000mm Shaft</b>						2.205" / 56.000mm	2.213" / 56.210mm	0.236" / 6.000mm	Nitrile	74	710097
2.834" / 72.000mm	2.842" / 72.200mm	0.512" / 13.000mm	Fluoro-Elastomer	74	711057	3.543" / 90.000mm	3.547" / 90.090mm	0.374" / 9.500mm	Polyacrylate	32	710133
2.480" / 63.000mm	2.488" / 63.200mm	0.433" / 11.000mm	Polyacrylate	40	711072	2.551" / 64.800mm	2.555" / 65.000mm	0.531" / 13.500mm	Nitrile	32	710179
<b>1.654" / 42.000mm Shaft</b>						2.992" / 76.000mm	3.003" / 76.280mm	0.472" / 12.000mm	Nitrile	40	710195
2.362" / 60.000mm	2.371" / 60.220mm	0.276" / 7.000mm	Polyacrylate	32	1953	2.835" / 72.000mm	2.846" / 72.280mm	0.472" / 12.000mm	Nitrile	40	710207
2.362" / 60.000mm	2.379" / 60.420mm	0.276" / 7.000mm	Fluoro-Elastomer	32	2025	2.205" / 56.000mm	2.209" / 56.100mm	0.197" / 5.000mm	Polyacrylate	47	710221
2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	32	224200	2.992" / 76.000mm	2.996" / 76.100mm	0.551" / 14.000mm	Polyacrylate	40	710245
2.165" / 55.000mm	2.178" / 55.330mm	0.315" / 8.000mm	Polyacrylate	32	224205	3.543" / 90.000mm	3.554" / 90.280mm	0.472" / 12.000mm	Polyacrylate	40	710246
2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	35	224210	2.638" / 67.000mm	2.646" / 67.200mm	0.394" / 10.000mm	Polyacrylate	32	710286
2.283" / 58.000mm	2.294" / 58.280mm	0.315" / 8.000mm	Polyacrylate	32	224215	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710291
2.283" / 58.000mm	2.291" / 58.180mm	0.276" / 7.000mm	Nitrile	48	224235	2.441" / 62.000mm	2.452" / 62.270mm	0.394" / 10.000mm	Nitrile	32	224252
2.441" / 62.000mm	2.452" / 62.270mm	0.315" / 8.000mm	Nitrile	35	224250	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710298
2.441" / 62.000mm	2.452" / 62.270mm	0.394" / 10.000mm	Nitrile	32	224252	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710298

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.654" / 42.000mm Shaft (Cont.)</b>						<b>1.682" / 42.970mm Shaft</b>					
2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	97	710301	2.660" / 67.570mm	2.668" / 67.770mm	0.383" / 9.730mm	Fluoro-Elastomer	74	710549
<b>/ Shaft</b>						<b>1.684" / 42.780mm Shaft</b>					
1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	34	710302	2.499" / 63.480mm	2.504" / 63.600mm	0.433" / 11.000mm	Nitrile	79	710431
<b>1.654" / 42.000mm Shaft</b>						<b>1.685" / 42.800mm Shaft</b>					
2.323" / 59.000mm	2.327" / 59.100mm	0.295" / 7.500mm	Polyacrylate	48	710442	2.498" / 63.460mm	2.499" / 63.475mm	0.433" / 11.000mm	Fluoro-Elastomer	32	710802
2.283" / 58.000mm	2.291" / 58.200mm	0.472" / 12.000mm	Nitrile	32	710517	2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.690mm	Fluoro-Elastomer	79	4981V
2.087" / 53.000mm	2.091" / 53.120mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710550	2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.693mm	Polyacrylate	79	7300S
2.165" / 55.000mm	2.173" / 55.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32	710620	<b>1.687" / 42.850mm Shaft</b>					
3.110" / 79.000mm	3.118" / 79.200mm	0.394" / 10.000mm	Fluoro-Elastomer	#	710700	2.650" / 67.310mm	2.725" / 69.220mm	0.290" / 7.370mm	Nitrile	200E	200886
2.835" / 72.000mm	2.843" / 72.200mm	0.502" / 12.750mm	Polyacrylate	74	710706	2.327" / 59.110mm	2.332" / 59.230mm	0.500" / 12.700mm	Nitrile	203	203008
2.165" / 55.000mm	2.173" / 55.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710719	2.327" / 59.110mm	2.332" / 59.230mm	0.500" / 12.700mm	Nitrile	204	204008
2.717" / 69.000mm	2.724" / 69.200mm	0.472" / 12.000mm	Polyacrylate	40	710723	2.560" / 65.020mm	2.579" / 65.510mm	0.375" / 9.530mm	Nitrile	#	2146
2.598" / 66.000mm	2.606" / 66.200mm	0.394" / 10.000mm	Polyacrylate	32	710845	2.279" / 57.890mm	2.285" / 58.040mm	0.250" / 6.350mm	Nitrile	35	353141
2.638" / 67.000mm	2.646" / 67.200mm	0.354" / 9.000mm	Polyacrylate	40	710911	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	4S	40154S
2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Polyacrylate	40	710914	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	44	440265
2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Polyacrylate	#	710938	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450154
2.126" / 54.000mm	2.134" / 54.200mm	0.197" / 5.000mm	Polyacrylate	#	710940	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450533
2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	PTFE	#	711024	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45	450765
2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	40	711097	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	470074
2.520" / 64.000mm	2.528" / 64.200mm	0.394" / 10.000mm	Polyacrylate	#	711109	3.062" / 77.770mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	47	470086
<b>1.656" / 42.060mm Shaft</b>						2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47	470460
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450073	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	470596
2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450260	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Fluoro-Elastomer	47	470596V
2.937" / 74.600mm	2.941" / 74.700mm	0.375" / 9.530mm	Nitrile	47	472660	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	47	470687
2.623" / 66.620mm	2.627" / 66.730mm	0.455" / 11.560mm	Polyacrylate	1S	7457N	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471981
<b>1.670" / 42.420mm Shaft</b>						2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473233
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	452086	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473234
<b>1.673" / 42.500mm Shaft</b>						2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	473235
2.146" / 54.500mm	2.157" / 54.800mm	0.236" / 6.000mm	Fluoro-Elastomer	32	2012V	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473236
<b>1.673" / 42.490mm Shaft</b>						2.328" / 59.130mm	2.332" / 59.230mm	0.312" / 7.920mm	Nitrile	47	473317
2.162" / 54.910mm	2.166" / 55.020mm	0.285" / 7.240mm	Nitrile	287	4099	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47	473445
<b>1.673" / 42.500mm Shaft</b>						2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473446
2.571" / 65.300mm	2.579" / 65.500mm	0.495" / 12.570mm	Fluoro-Elastomer	#	710995	2.686" / 68.220mm	2.691" / 68.350mm	0.312" / 7.920mm	Nitrile	47	474265
<b>1.680" / 42.670mm Shaft</b>						2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Silicone	48	480479H
2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.693mm	Nitrile	79	2465						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.687" / 42.850mm Shaft (Cont.)</b>						<b>1.700" / 43.180mm Shaft</b>					
2.328" / 59.130mm	2.332" / 59.230mm	0.531" / 13.490mm	Nitrile	276	7022S	2.660" / 76.564mm	2.666" / 67.710mm	0.430" / 10.920mm	Fluoro-Elastomer	85	710542
<b>1.701" / 43.200mm Shaft</b>						<b>1.703" / 43.260mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.582" / 14.780mm	Nitrile	41	7038SA	2.606" / 66.200mm	2.614" / 66.400mm	0.417" / 10.600mm	Polyacrylate	40	711019
2.560" / 65.020mm	2.579" / 65.510mm	0.470" / 11.940mm	Nitrile	25	712146	<b>1.705" / 43.307mm Shaft</b>					
2.684" / 68.170mm	2.690" / 68.330mm	0.250" / 6.350mm	Nitrile	24	7381S	3.084" / 78.330mm	3.090" / 78.490mm	0.500" / 12.700mm	Nitrile	69	3747
2.623" / 66.620mm	2.627" / 66.730mm	0.437" / 11.100mm	Polyacrylate	47	8516N	3.030" / 76.960mm	3.039" / 77.190mm	0.500" / 12.700mm	Nitrile	69	710067
2.605" / 66.170mm	2.609" / 66.270mm	0.235" / 5.970mm	Nitrile	4S	9178S	<b>1.705" / 43.310mm Shaft</b>					
<b>1.688" / 42.875mm Shaft</b>						<b>1.705" / 43.317mm Shaft</b>					
2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Nitrile	47	477715	2.572" / 65.328mm	2.576" / 65.430mm	0.480" / 12.190mm	Fluoro-Elastomer	74	710498
2.623" / 66.624mm	2.627" / 66.726mm	0.500" / 12.700mm	Fluoroelastomer	47	477725	<b>1.709" / 43.410mm Shaft</b>					
<b>1.688" / 42.880mm Shaft</b>						<b>1.718" / 43.640mm Shaft</b>					
2.561" / 65.040mm	2.565" / 65.140mm	0.374" / 9.500mm	Nitrile	47	710387	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	44	442251
2.547" / 64.700mm	2.551" / 64.800mm	0.595" / 15.110mm	Nitrile	74	710502	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Fluoro-Elastomer	44	442251V
<b>1.688" / 42.875mm Shaft</b>						<b>1.720" / 43.690mm Shaft</b>					
2.562" / 65.075mm	2.566" / 65.176mm	0.250" / 6.350mm	Nitrile	#	797719	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450068
<b>1.692" / 43.000mm Shaft</b>						<b>1.730" / 43.940mm Shaft</b>					
3.071" / 78.000mm	3.083" / 78.300mm	0.394" / 10.000mm	Fluoro-Elastomer	85	710919	2.336" / 59.330mm	2.340" / 59.440mm	0.250" / 6.350mm	Nitrile	4S	6840S
<b>1.693" / 43.000mm Shaft</b>						<b>1.732" / 44.000mm Shaft</b>					
2.165" / 55.000mm	2.175" / 55.250mm	0.315" / 8.000mm	Nitrile	34	1183	2.323" / 59.000mm	2.332" / 59.230mm	0.268" / 6.800mm	Polyacrylate	35	224450
2.126" / 54.000mm	2.130" / 54.100mm	0.256" / 6.500mm	Nitrile	25	224400	2.362" / 60.000mm	2.373" / 60.280mm	0.276" / 7.000mm	Nitrile	32	224460
2.362" / 60.000mm	2.374" / 60.300mm	0.315" / 8.000mm	Nitrile	32	320583	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32	224462
2.165" / 55.000mm	2.173" / 55.200mm	0.315" / 8.000mm	Nitrile	32	43X55X8	2.441" / 62.000mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	32	224464
2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	43X65X8	2.559" / 65.000mm	2.567" / 65.200mm	0.433" / 11.000mm	Nitrile	32	224465
2.756" / 70.000mm	2.764" / 70.200mm	0.354" / 9.000mm	Nitrile	40	710142	2.677" / 68.000mm	2.689" / 68.300mm	0.315" / 8.000mm	Polyacrylate	35	350609
2.302" / 58.470mm	2.308" / 58.620mm	0.295" / 7.500mm	Polyacrylate	72	710159	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	32	44X60X7
3.622" / 92.000mm	3.633" / 92.280mm	0.492" / 12.500mm	Nitrile	40	710208	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32	44X62X8
2.205" / 56.000mm	2.209" / 56.100mm	0.335" / 8.500mm	Nitrile	62	710223	<b>1.732" / 44.000mm Shaft</b>					
2.165" / 55.000mm	2.173" / 55.200mm	0.236" / 8.000mm	Silicone	32	710264	2.323" / 59.000mm	2.332" / 59.230mm	0.268" / 6.800mm	Polyacrylate	35	224450
2.953" / 75.000mm	2.967" / 75.350mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710538	2.362" / 60.000mm	2.373" / 60.280mm	0.276" / 7.000mm	Nitrile	32	224460
2.480" / 63.000mm	2.488" / 63.200mm	0.339" / 8.600mm	Fluoro-Elastomer	32	710590	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32	224462
2.283" / 58.000mm	2.292" / 58.220mm	0.276" / 7.000mm	Polyacrylate	35	710608	2.441" / 62.000mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	32	224464
2.362" / 60.000mm	2.374" / 60.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710615	2.559" / 65.000mm	2.567" / 65.200mm	0.433" / 11.000mm	Nitrile	32	224465
3.032" / 77.000mm	3.039" / 77.200mm	0.433" / 11.000mm	Fluoro-Elastomer	85	710836	2.677" / 68.000mm	2.689" / 68.300mm	0.315" / 8.000mm	Polyacrylate	35	350609
3.268" / 83.000mm	3.276" / 83.200mm	0.404" / 10.250mm	Fluoro-Elastomer	32	710872	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	32	44X60X7
2.441" / 62.000mm	2.449" / 62.200mm	0.217" / 5.500mm	Ethylene-Acrylic	32	710929	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32	44X62X8
2.854" / 72.500mm	2.862" / 72.700mm	0.433" / 11.000mm	Polyacrylate	32	710933						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.732" / 44.000mm Shaft (Cont.)</b>						<b>1.750" / 44.450mm Shaft (Cont.)</b>					
2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	35	44X65X10	2.561" / 65.050mm	2.565" / 65.150mm	0.250" / 6.350mm	Nitrile	204	204502
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	44X70X8	2.374" / 60.300mm	2.379" / 60.430mm	0.250" / 6.350mm	Nitrile	204	204503
3.150" / 80.000mm	3.154" / 80.120mm	0.335" / 8.500mm	Nitrile	40	710115	2.562" / 65.070mm	2.566" / 65.180mm	0.500" / 12.700mm	Felt	205	205015
2.559" / 65.000mm	2.563" / 65.100mm	0.354" / 9.000mm	Polyacrylate	62	710283	3.371" / 85.620mm	3.376" / 85.750mm	0.625" / 15.880mm	Nitrile	21	210945
2.614" / 66.400mm	2.621" / 66.580mm	0.394" / 10.000mm	Fluoro-Elastomer	87	710428	2.715" / 68.960mm	2.721" / 69.110mm	0.437" / 11.100mm	Nitrile	32	323119
2.653" / 67.390mm	2.657" / 67.500mm	0.375" / 9.530mm	Polyacrylate	85	710474	2.250" / 57.150mm	2.258" / 57.350mm	0.250" / 6.350mm	Nitrile	34	340400
2.614" / 66.400mm	2.621" / 66.570mm	0.445" / 11.300mm	Fluoro-Elastomer	85	710480	2.500" / 63.500mm	2.508" / 63.700mm	0.375" / 9.530mm	PTFE	35	354040
2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710487	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	4S	40494S
2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Nitrile	40	710525	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Polyacrylate	41	410183N
2.756" / 70.000mm	2.764" / 70.200mm	0.461" / 11.700mm	Fluoro-Elastomer	74	710682	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	4S	43071S
2.402" / 61.000mm	2.409" / 61.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32	710893	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450070
2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710951	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450076
2.441" / 62.000mm	2.449" / 62.200mm	0.295" / 7.500mm	Fluoro-Elastomer	32	711068	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450183
2.992" / 76.000mm	3.000" / 76.200mm	0.492" / 12.500mm	Polyacrylate	40	711093	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450291
2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Polyacrylate	40	711102	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450352
<b>1.734" / 44.040mm Shaft</b>						2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45	450361
2.726" / 69.240mm	2.730" / 69.340mm	0.500" / 12.700mm	Leather	201	5836	2.250" / 57.150mm	2.254" / 57.250mm	0.359" / 9.120mm	Nitrile	45	450400
2.400" / 60.960mm	2.405" / 61.090mm	0.230" / 5.840mm	Nitrile	277	8705S	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	45	450494
<b>1.739" / 44.170mm Shaft</b>						2.502" / 63.550mm	2.506" / 63.650mm	0.406" / 10.310mm	Silicone	45	451147H
3.000" / 76.200mm	3.008" / 76.400mm	0.500" / 12.700mm	Nitrile	71	6818	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455536
2.812" / 71.420mm	3.270" / 83.060mm	0.593" / 15.060mm	Polyacrylate	74	8460N	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47	470088
<b>1.748" / 44.410mm Shaft</b>						2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	470334
2.619" / 66.535mm	2.627" / 66.720mm	0.330" / 8.380mm	Polyacrylate	88	4950	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470351
<b>1.750" / 44.450mm Shaft</b>						2.623" / 66.620mm	2.627" / 66.730mm	0.290" / 7.370mm	Nitrile	200	200335
2.718" / 69.040mm	2.722" / 69.140mm	0.359" / 9.120mm	Nitrile	200	200354	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47	470361
2.786" / 70.760mm	2.876" / 73.050mm	0.285" / 7.240mm	Nitrile	200E	200600	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Fluoro-Elastomer	47	470361V
2.718" / 69.040mm	2.728" / 69.290mm	0.294" / 7.470mm	Nitrile	200E	200854	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	471141
2.630" / 66.800mm	2.930" / 74.420mm	0.290" / 7.370mm	Nitrile	200E	200912	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471141V
2.717" / 69.010mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	203	203002	2.411" / 61.240mm	2.415" / 61.340mm	0.380" / 9.650mm	Nitrile	47	471169
2.562" / 65.070mm	2.566" / 65.180mm	0.500" / 12.700mm	Nitrile	203	203015	2.411" / 61.240mm	2.415" / 61.340mm	0.380" / 9.650mm	Polyacrylate	47	471169N
2.717" / 69.000mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	204	204002	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47	471504
2.717" / 69.000mm	2.721" / 69.110mm	0.359" / 9.120mm	Nitrile	204	204038	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471831
3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	204	204501	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471984
						2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	472164

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.750" / 44.450mm Shaft (Cont.)</b>						<b>1.750" / 44.450mm Shaft (Cont.)</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472164V	2.502" / 63.551mm	2.506" / 63.652mm	0.500" / 12.700mm	Nitrile	#	797704
2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	472179	2.125" / 53.975mm	2.129" / 54.077mm	0.188" / 4.775mm	Nitrile	#	797728
2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472179V	<b>1.751" / 44.480mm Shaft</b>					
2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	472185	2.533" / 64.340mm	2.608" / 66.240mm	0.290" / 7.370mm	Nitrile	200E	200895
2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472185V	<b>1.763" / 44.780mm Shaft</b>					
2.561" / 65.050mm	2.566" / 65.180mm	0.312" / 7.920mm	Nitrile	47	472193	2.412" / 61.260mm	2.416" / 61.370mm	0.375" / 9.530mm	Nitrile	45	6936S
2.449" / 62.200mm	2.453" / 62.310mm	0.312" / 7.920mm	Nitrile	47	473157	<b>1.763" / 44.770mm Shaft</b>					
2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473237	2.411" / 61.230mm	2.415" / 61.340mm	0.354" / 9.000mm	PTFE	32	710606
2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473237V	<b>1.763" / 44.780mm Shaft</b>					
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473313	2.416" / 61.366mm	2.421" / 61.493mm	0.375" / 9.525mm	Fluoro-Elastomer	47	710891
2.758" / 70.050mm	2.762" / 70.150mm	0.375" / 9.530mm	Nitrile	47	473447	2.409" / 61.190mm	2.416" / 61.370mm	0.375" / 9.530mm	Fluoro-Elastomer	47	9845
2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	473448	2.409" / 61.190mm	2.416" / 61.370mm	0.375" / 9.530mm	Fluoro-Elastomer	47	9845V
2.565" / 65.150mm	2.570" / 65.280mm	0.312" / 7.920mm	Nitrile	47	473796	<b>1.771" / 45.000mm Shaft</b>					
3.937" / 100.000mm	3.942" / 100.130mm	0.312" / 7.920mm	Nitrile	47	476820	2.441" / 62.000mm	2.461" / 62.500mm	0.236" / 6.000mm	Polyacrylate	32	710778
2.328" / 59.130mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	48	482126	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32	710875
2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	48	482164N	2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Polyacrylate	32	710934
3.153" / 80.090mm	3.159" / 80.240mm	0.312" / 7.920mm	Nitrile	48	482267	4.028" / 102.300mm	4.039" / 102.600mm	0.453" / 11.500mm	Polyacrylate	#	711078
3.625" / 92.075mm	3.630" / 92.202mm	0.438" / 11.125mm	Nitrile	48	487533	<b>1.771" / 44.980mm Shaft</b>					
2.783" / 70.690mm	2.787" / 70.790mm	0.531" / 13.490mm	Leather	5L	50289	2.500" / 63.500mm	2.504" / 63.600mm	0.359" / 9.120mm	Silicone	74	714075
2.437" / 61.900mm	2.442" / 62.000mm	3.130" / 79.500mm	Nitrile	#	5112S	<b>1.772" / 45.000mm Shaft</b>					
2.750" / 69.850mm	2.754" / 69.950mm	0.484" / 12.290mm	Leather	201	5827	2.441" / 62.000mm	2.453" / 62.300mm	0.315" / 8.000mm	Nitrile	35	1012N
2.250" / 57.150mm	2.258" / 57.350mm	0.187" / 4.750mm	Nitrile	35	6703S	2.520" / 64.000mm	2.530" / 64.250mm	0.256" / 6.500mm	Nitrile	#	1938
2.875" / 73.030mm	2.880" / 73.150mm	0.500" / 12.700mm	Nitrile	274	6949S	2.953" / 75.000mm	2.957" / 75.100mm	0.472" / 12.000mm	Polyacrylate	47	1979
3.062" / 77.770mm	3.066" / 77.880mm	0.485" / 12.320mm	Nitrile	86	710005	2.559" / 65.000mm	2.563" / 65.100mm	0.197" / 5.000mm	Nitrile	47	1992
2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Urethane	#	710013	2.283" / 58.000mm	2.295" / 58.300mm	0.295" / 7.500mm	Nitrile	32	224510
2.250" / 57.150mm	2.255" / 57.280mm	0.250" / 6.350mm	Urethane	#	710024	2.362" / 60.000mm	2.372" / 60.250mm	0.394" / 10.000mm	Nitrile	35	224520
2.374" / 60.300mm	2.378" / 60.400mm	0.484" / 12.290mm	Nitrile	#	710062	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Nitrile	32	224560
2.500" / 63.500mm	2.504" / 63.600mm	0.484" / 12.290mm	Nitrile	7S	710389	2.835" / 72.000mm	2.846" / 72.280mm	0.472" / 12.000mm	Nitrile	35	224570
2.875" / 73.030mm	2.888" / 73.360mm	0.472" / 12.000mm	Polyacrylate	#	710647	2.520" / 64.000mm	2.530" / 64.270mm	0.472" / 12.000mm	Nitrile	47	239155
2.756" / 70.000mm	2.764" / 70.200mm	0.252" / 6.400mm	Fluoro-Elastomer	74	710867	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Fluoro-Elastomer	32	320564
2.810" / 71.370mm	2.814" / 71.480mm	0.315" / 8.000mm	Nitrile	47	712260	2.283" / 58.000mm	2.294" / 58.280mm	0.276" / 7.000mm	Nitrile	35	45X58X7
2.374" / 60.300mm	2.381" / 60.480mm	0.437" / 11.100mm	Nitrile	35	7486S	2.362" / 60.000mm	2.372" / 60.250mm	0.394" / 10.000mm	Nitrile	32	45X60X10
2.502" / 63.550mm	2.506" / 63.650mm	0.680" / 17.270mm	Leather	5S	7834	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	35	45X60X7
						2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32	45X60X8
						2.441" / 62.000mm	2.453" / 62.300mm	0.315" / 8.000mm	Nitrile	35	45X62X8

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.772" / 45.000mm Shaft (Cont.)</b>						<b>1.772" / 45.000mm Shaft (Cont.)</b>					
2.559" / 65.000mm	2.570" / 65.280mm	0.315" / 8.000mm	Nitrile	32	45X65X8	2.953" / 75.000mm	2.961" / 75.200mm	0.354" / 9.000mm	Polyacrylate	40	710991
2.756" / 70.000mm	2.763" / 70.180mm	0.394" / 10.000mm	Nitrile	32	45X70X10	3.870" / 98.300mm	3.878" / 98.500mm	0.394" / 10.000mm	Fluoro-Elastomer	72	711054
2.835" / 72.000mm	2.846" / 72.280mm	0.276" / 7.000mm	Nitrile	35	45X72X7	2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	32	711077
2.835" / 72.000mm	2.844" / 72.250mm	0.374" / 9.500mm	Nitrile	32	45X72X95	2.285" / 58.050mm	2.293" / 58.250mm	0.486" / 12.350mm	Fluoro-Elastomer	#	711112
2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32	45X75X7	2.362" / 60.000mm	2.370" / 60.200mm	0.512" / 13.000mm	Fluoro-Elastomer	#	711118
3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	45X80X10	2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Polyacrylate	32	711122
3.346" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Nitrile	32	45X85X10	<b>1.775" / 45.090mm Shaft</b>					
2.441" / 62.000mm	2.445" / 62.100mm	0.236" / 6.000mm	Nitrile	49	494122	1.970" / 50.040mm	1.970" / 50.050mm	0.365" / 9.270mm	Nitrile	35	710095
2.441" / 62.000mm	2.447" / 62.150mm	0.315" / 8.000mm	Fluoro-Elastomer	47	710078	<b>1.781" / 45.240mm Shaft</b>					
2.598" / 66.000mm	2.608" / 66.240mm	0.295" / 7.500mm	Nitrile	32	710160	2.251" / 57.180mm	2.259" / 57.380mm	0.375" / 9.530mm	Nitrile	32	321460
2.323" / 59.000mm	2.334" / 59.280mm	0.295" / 7.500mm	Nitrile	32	710193	2.502" / 63.500mm	2.505" / 63.630mm	0.312" / 7.920mm	PTFE	FW-H	39925
3.071" / 78.000mm	3.075" / 78.100mm	0.433" / 11.000mm	Polyacrylate	66	710248	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450089
2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710289	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450269
2.677" / 68.000mm	2.685" / 68.200mm	0.472" / 12.000mm	Polyacrylate	32	710345	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45	450280
2.000" / 50.800mm	2.175" / 55.250mm	0.200" / 5.080mm	Nitrile	273	710385	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450285
2.087" / 53.000mm	2.094" / 53.200mm	0.256" / 6.500mm	Nitrile	#	710423	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	45	452742
2.283" / 58.000mm	2.295" / 58.290mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710484	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Leather	5L	50266
2.480" / 63.000mm	2.488" / 63.200mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710521	<b>1.782" / 45.250mm Shaft</b>					
2.756" / 70.000mm	2.761" / 70.130mm	0.551" / 14.000mm	Polyacrylate	40	710665	2.756" / 70.000mm	2.764" / 70.200mm	0.433" / 11.000mm	Fluoro-Elastomer	85	710963
2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	40	710735	<b>1.787" / 45.390mm Shaft</b>					
2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Polyacrylate	40	710748	3.229" / 82.020mm	3.238" / 82.250mm	0.335" / 8.510mm	Polyacrylate	83	4072N
2.520" / 64.000mm	2.528" / 64.200mm	0.354" / 9.000mm	PTFE	40	710768	3.228" / 82.000mm	3.238" / 82.250mm	0.335" / 8.510mm	Polyacrylate	83	4918
2.244" / 57.000mm	2.252" / 57.200mm	0.354" / 9.000mm	Polyacrylate	32	710783	3.228" / 82.000mm	3.237" / 82.230mm	0.335" / 8.500mm	Polyacrylate	83	710817
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	PTFE	40	710786	<b>1.796" / 45.620mm Shaft</b>					
2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710790	2.725" / 69.220mm	2.730" / 69.340mm	0.500" / 12.700mm	Leather	201	6781
2.953" / 75.000mm	2.961" / 75.200mm	0.531" / 13.500mm	PTFE	40	710822	<b>1.803" / 45.800mm Shaft</b>					
2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Ethylene-Acrylic	40	710838	2.965" / 75.310mm	2.969" / 75.410mm	0.250" / 6.350mm	Felt	29	5070
2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Fluoro-Elastomer	86	710843	3.067" / 77.900mm	3.071" / 78.000mm	0.551" / 14.000mm	Fluoro-Elastomer	74	710593
2.953" / 75.000mm	2.957" / 75.100mm	0.532" / 13.500mm	Polyacrylate	72	710847	<b>1.809" / 45.950mm Shaft</b>					
2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710887	2.361" / 59.970mm	2.365" / 60.070mm	0.370" / 9.398mm	Nitrile	287	4249
2.717" / 69.000mm	2.724" / 69.200mm	0.394" / 10.000mm	Polyacrylate	32	710917	<b>1.811" / 46.000mm Shaft</b>					
2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710937	2.874" / 73.000mm	2.881" / 73.177mm	0.472" / 12.000mm	Fluoro-Elastomer	74	100537
2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	40	710990	2.283" / 58.000mm	2.294" / 58.280mm	0.276" / 7.000mm	Polyacrylate	32	224650
						2.362" / 60.000mm	2.373" / 60.280mm	0.276" / 7.000mm	Silicone	32	224660
						2.480" / 63.000mm	2.496" / 63.400mm	0.303" / 7.700mm	Polyacrylate	35	224663

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.811" / 46.000mm Shaft (Cont.)</b>						<b>1.812" / 46.020mm Shaft (Cont.)</b>					
2.559" / 65.000mm	2.571" / 65.300mm	0.394" / 10.000mm	Nitrile	32	46X65X10	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47	473450V
2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Nitrile	32	46X65X7	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	48	480281
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	46X70X8	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	48	481992
2.732" / 69.400mm	2.740" / 69.600mm	0.394" / 10.000mm	Nitrile	40	710128	2.562" / 65.070mm	2.566" / 65.180mm	0.312" / 7.920mm	Fluoro-Elastomer	48	5133
2.697" / 68.500mm	2.705" / 68.700mm	0.276" / 7.000mm	Nitrile	32	710161	4.123" / 104.720mm	4.128" / 104.850mm	0.746" / 18.950mm	Leather	21	6930
2.441" / 62.000mm	2.449" / 62.200mm	0.807" / 20.500mm	Nitrile	47	710394	3.000" / 76.200mm	3.005" / 76.330mm	0.455" / 11.560mm	Nitrile	86	7044NA
2.835" / 72.000mm	2.840" / 72.140mm	0.335" / 8.500mm	Polyacrylate	32	710472	2.718" / 69.040mm	2.722" / 69.140mm	0.270" / 6.860mm	Nitrile	200	7186S
2.874" / 73.000mm	2.884" / 73.250mm	0.572" / 14.530mm	Fluoro-Elastomer	85	710495	2.623" / 66.620mm	2.627" / 66.730mm	0.455" / 11.560mm	Nitrile	74	8181NA
2.598" / 66.000mm	2.606" / 66.200mm	0.394" / 10.000mm	Nitrile	86	710754	<b>1.813" / 46.050mm Shaft</b>					
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Polyacrylate	32	710868	2.408" / 61.160mm	2.413" / 61.290mm	0.300" / 7.620mm	Nitrile	91	710409
3.071" / 78.000mm	3.079" / 78.200mm	0.472" / 12.000mm	Fluoro-Elastomer	86	710895	<b>1.821" / 46.250mm Shaft</b>					
3.583" / 91.000mm	3.591" / 91.200mm	0.433" / 11.000mm	Polyacrylate	40	710931	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	44053
2.874" / 73.000mm	2.882" / 73.200mm	0.413" / 10.500mm	Fluoro-Elastomer	#	710950	<b>1.825" / 46.360mm Shaft</b>					
2.780" / 70.600mm	2.787" / 70.800mm	0.437" / 11.100mm	Fluoro-Elastomer	72	710964	2.750" / 69.850mm	2.754" / 69.950mm	0.468" / 11.890mm	Nitrile	47	7600S
2.778" / 70.550mm	2.780" / 70.600mm	0.455" / 11.560mm	Fluoro-Elastomer	87	710971	<b>1.830" / 46.480mm Shaft</b>					
2.220" / 56.400mm	2.228" / 56.600mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711001	2.570" / 65.280mm	2.574" / 65.380mm	0.250" / 6.350mm	Leather	4L	6960
2.866" / 72.800mm	2.874" / 73.000mm	0.413" / 10.500mm	PTFE	87	711010	<b>1.831" / 46.500mm Shaft</b>					
2.402" / 61.000mm	2.409" / 61.200mm	0.276" / 7.000mm	Polyacrylate	32	711107	3.543" / 90.000mm	3.551" / 90.200mm	0.433" / 11.000mm	Polyacrylate	#	710397
<b>1.812" / 46.020mm Shaft</b>						<b>1.835" / 46.600mm Shaft</b>					
2.561" / 65.050mm	2.566" / 65.180mm	0.500" / 12.700mm	Nitrile	203	203006	2.874" / 73.000mm	2.878" / 73.100mm	0.283" / 7.200mm	Fluoro-Elastomer	74	710830
2.777" / 70.540mm	2.783" / 70.690mm	0.455" / 11.560mm	Fluoro-Elastomer	86	3604	<b>1.843" / 46.810mm Shaft</b>					
2.623" / 66.620mm	2.627" / 66.730mm	0.615" / 15.620mm	Nitrile	86	3618	2.400" / 60.960mm	2.404" / 61.060mm	0.235" / 5.970mm	Felt	29	291295
2.563" / 65.100mm	2.567" / 65.200mm	0.375" / 9.530mm	PTFE	W	39835	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Polyacrylate	47	470331N
2.562" / 65.070mm	2.567" / 65.200mm	0.315" / 8.000mm	PTFE	FW-H	39930	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	471841
3.091" / 78.510mm	3.096" / 78.640mm	0.485" / 12.320mm	Fluoro-Elastomer	86	4278	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	473451
2.327" / 59.110mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	44	444116	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	473452
3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450090	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473453
2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450118	<b>1.844" / 46.840mm Shaft</b>					
2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	451817	2.865" / 72.770mm	2.872" / 72.950mm	0.425" / 10.800mm	Fluoro-Elastomer	74	100552
2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471866	<b>1.844" / 46.838mm Shaft</b>					
2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	472070	3.063" / 77.800mm	3.068" / 77.927mm	0.535" / 13.589mm	Fluoro-Elastomer	74	710741
2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	473449	2.748" / 69.799mm	2.753" / 69.926mm	0.425" / 10.800mm	Fluoro-Elastomer	74	714675
2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473450	<b>1.850" / 47.000mm Shaft</b>					
						2.835" / 72.000mm	2.844" / 72.230mm	0.392" / 10.000mm	Nitrile	40	224772
						2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Nitrile	32	47X62X8
						2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	47X65X8

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.850" / 47.000mm Shaft (Cont.)</b>						<b>1.875" / 47.630mm Shaft (Cont.)</b>					
2.677" / 68.000mm	2.688" / 68.270mm	0.394" / 10.000mm	Nitrile	32	47X68X10	2.877" / 73.080mm	2.865" / 72.770mm	0.490" / 12.450mm	Nitrile	25	2689S
2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	32	47X70X10	2.561" / 65.050mm	2.565" / 65.150mm	0.528" / 13.410mm	Polyacrylate	76	2692
3.307" / 84.000mm	3.315" / 84.200mm	0.433" / 11.000mm	Nitrile	86	710143	2.560" / 65.020mm	2.565" / 65.150mm	0.406" / 10.310mm	Polyacrylate	47	2942
2.272" / 57.700mm	2.276" / 57.800mm	0.500" / 12.700mm	Nitrile	51	710150	3.150" / 80.010mm	3.146" / 79.910mm	0.930" / 23.620mm	Nitrile	59	3186
2.205" / 56.000mm	2.213" / 56.200mm	0.276" / 7.000mm	Polyacrylate	47	710184	3.150" / 80.010mm	3.146" / 79.910mm	0.930" / 23.620mm	Nitrile	59	3195
2.520" / 64.000mm	2.523" / 64.080mm	0.276" / 7.000mm	Nitrile	25	710191	2.624" / 66.650mm	2.628" / 66.750mm	0.375" / 9.530mm	Silicone	33	331227H
2.598" / 66.000mm	2.602" / 66.100mm	0.433" / 11.000mm	Nitrile	66	710215	2.502" / 63.550mm	2.511" / 63.780mm	0.250" / 6.350mm	Nitrile	34	340823
2.843" / 72.200mm	2.850" / 72.400mm	0.236" / 6.000mm	Nitrile	40	710337	2.502" / 63.550mm	2.506" / 63.650mm	0.328" / 8.330mm	Nitrile	35	350823
2.440" / 61.980mm	2.445" / 62.100mm	0.405" / 10.290mm	Nitrile	48	710501	2.561" / 65.050mm	2.571" / 65.300mm	0.312" / 7.920mm	Nitrile	35	350936
3.154" / 80.100mm	3.161" / 80.300mm	0.394" / 10.000mm	Fluoro-Elastomer	40	710595	2.397" / 60.880mm	2.403" / 61.040mm	0.250" / 6.350mm	Nitrile	35	353120
2.717" / 69.000mm	2.726" / 69.240mm	0.394" / 10.000mm	Nitrile	40	710596	2.750" / 69.850mm	2.754" / 69.950mm	0.485" / 12.319mm	Nitrile	86	3946
2.480" / 63.000mm	2.488" / 63.200mm	0.236" / 6.000mm	Ethylene-Acrylic	32	710699	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	40071S
2.835" / 72.000mm	2.843" / 72.200mm	0.392" / 10.000mm	Polyacrylate	40	710784	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	41	410071
2.402" / 61.000mm	2.409" / 61.200mm	0.276" / 7.000mm	Polyacrylate	32	710886	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	41	410524
2.520" / 64.000mm	2.528" / 64.200mm	0.335" / 8.500mm	Fluoro-Elastomer	47	710907	2.782" / 70.660mm	2.786" / 70.760mm	0.500" / 12.700mm	Nitrile	41	414045
4.224" / 107.300mm	4.232" / 107.500mm	0.441" / 11.200mm	Ethylene-Acrylic	#	711050	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S	42421S
3.701" / 78.000mm	3.079" / 78.200mm	0.472" / 12.000mm	Polyacrylate	74	711055	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	44	441853
<b>1.869" / 47.470mm Shaft</b>						2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450082
2.518" / 63.960mm	2.522" / 64.060mm	0.375" / 9.530mm	Nitrile	33	332062	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450084
<b>1.870" / 47.500mm Shaft</b>						2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450117
2.780" / 70.600mm	2.794" / 70.960mm	0.315" / 8.000mm	Fluoro-Elastomer	72	710654	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45	450298
2.579" / 65.500mm	2.587" / 65.700mm	0.236" / 6.000mm	Polyacrylate	32	711110	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	451078
<b>1.872" / 47.550mm Shaft</b>						2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471868
2.684" / 68.170mm	2.701" / 68.610mm	0.544" / 13.820mm	Nitrile	200E	8521S	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	472041
<b>1.873" / 47.570mm Shaft</b>						2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	472439
2.717" / 69.000mm	2.806" / 71.270mm	0.281" / 7.140mm	Nitrile	200E	200752	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472439V
<b>1.874" / 47.600mm Shaft</b>						2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	472572
3.159" / 80.240mm	3.163" / 80.340mm	0.500" / 12.700mm	Fluoro-Elastomer	74	100712V	2.470" / 62.740mm	2.475" / 62.870mm	0.437" / 11.100mm	Nitrile	47	472747
3.159" / 80.240mm	3.163" / 80.340mm	0.500" / 12.700mm	Fluoro-Elastomer	85	100715V	2.758" / 70.050mm	2.762" / 70.150mm	0.375" / 9.530mm	Nitrile	47	473179
3.161" / 80.300mm	3.169" / 80.500mm	0.551" / 14.000mm	Fluoro-Elastomer	87	100716V	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47	473238
2.781" / 70.600mm	2.789" / 70.800mm	0.354" / 9.000mm	Nitrile	32	1959	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473238V
2.676" / 67.970mm	2.682" / 68.120mm	0.410" / 10.410mm	Polyacrylate	74	4577	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47	473239
2.496" / 63.400mm	2.504" / 63.600mm	0.339" / 8.600mm	Fluoro-Elastomer	40	710837	3.125" / 79.380mm	3.130" / 79.500mm	0.312" / 7.920mm	Nitrile	47	473240
<b>1.875" / 47.630mm Shaft</b>											
2.995" / 76.070mm	3.000" / 76.200mm	0.437" / 11.100mm	Nitrile	203	203034						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.875" / 47.630mm Shaft (Cont.)</b>						<b>1.875" / 47.630mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473454	3.000" / 76.200mm	3.005" / 76.330mm	0.625" / 15.880mm	Silicone	#	8165
2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	473455	2.315" / 58.800mm	2.321" / 58.950mm	0.203" / 5.160mm	Nitrile	33	8362
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473457	2.812" / 71.420mm	2.816" / 71.530mm	0.770" / 19.560mm	Polyacrylate	74	8515N
3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	473458	3.160" / 80.260mm	3.165" / 80.390mm	0.695" / 17.650mm	Polyacrylate	72	9316
4.331" / 110.010mm	4.336" / 110.130mm	0.500" / 12.700mm	Nitrile	47	477105	2.877" / 73.080mm	2.865" / 72.770mm	0.470" / 11.940mm	Nitrile	25	9912
<b>1.875" / 47.625mm Shaft</b>						<b>1.880" / 47.750mm Shaft</b>					
2.441" / 62.001mm	2.446" / 62.128mm	0.315" / 8.001mm	Fluoroelastomer	47	477702	3.169" / 80.490mm	3.176" / 80.670mm	0.480" / 12.190mm	Fluoro-Elastomer	72	100086
<b>1.875" / 47.630mm Shaft</b>						<b>1.885" / 47.890mm Shaft</b>					
2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Polyacrylate	48	482041N	2.697" / 68.500mm	2.705" / 68.700mm	0.461" / 11.700mm	Fluoro-Elastomer	79	710695
2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	48	483238V	<b>1.885" / 47.870mm Shaft</b>					
2.813" / 71.450mm	2.817" / 71.550mm	0.500" / 12.700mm	Nitrile	74	5126	2.700" / 68.580mm	2.708" / 68.780mm	0.019" / 0.472mm	Fluoro-Elastomer	74	710873
2.965" / 75.310mm	2.969" / 75.410mm	0.250" / 6.350mm	Felt	29	6064	<b>1.886" / 47.904mm Shaft</b>					
2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	41	6460S	2.699" / 68.550mm	2.704" / 68.680mm	0.350" / 8.890mm	Polyacrylate	79	4333N
2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Leather	201	6547	<b>1.886" / 47.900mm Shaft</b>					
2.758" / 70.050mm	2.762" / 70.150mm	0.425" / 10.800mm	Polyacrylate	75	6712NA	2.750" / 69.850mm	2.765" / 70.230mm	0.469" / 11.900mm	Polyacrylate	#	4503N
3.160" / 80.260mm	3.165" / 80.390mm	0.562" / 14.270mm	Polyacrylate	45	6808N	2.697" / 68.500mm	2.701" / 68.600mm	0.469" / 11.900mm	Fluoro-Elastomer	72	710496
2.628" / 66.750mm	2.633" / 66.880mm	0.347" / 8.810mm	Felt	29	6985	<b>1.886" / 47.904mm Shaft</b>					
2.875" / 73.030mm	2.886" / 73.300mm	0.625" / 15.880mm	Urethane	#	710019	2.697" / 68.504mm	2.705" / 68.700mm	0.350" / 8.890mm	Fluoro-Elastomer	79	710636
2.677" / 68.000mm	2.681" / 68.100mm	0.375" / 9.530mm	Polyacrylate	74	710211	<b>1.886" / 47.900mm Shaft</b>					
2.717" / 69.000mm	2.725" / 69.220mm	0.394" / 10.010mm	Nitrile	32	710388	2.750" / 69.850mm	2.756" / 70.000mm	0.335" / 8.500mm	Polyacrylate	32	710658
3.160" / 80.260mm	3.165" / 80.390mm	0.530" / 13.460mm	Fluoro-Elastomer	72	710452	2.697" / 68.500mm	2.705" / 68.700mm	0.453" / 11.500mm	Fluoro-Elastomer	79	710660
2.622" / 66.590mm	2.633" / 66.890mm	0.415" / 10.540mm	Nitrile	74	710557	2.750" / 69.850mm	2.756" / 70.000mm	0.512" / 13.000mm	Polyacrylate	40	710661
3.375" / 85.730mm	4.812" / 122.220mm	0.312" / 7.920mm	Nitrile	51	7105S	2.750" / 69.850mm	2.756" / 70.000mm	0.472" / 12.000mm	Polyacrylate	#	710664
<b>1.875" / 47.625mm Shaft</b>						2.750" / 69.850mm	2.754" / 69.950mm	0.512" / 13.000mm	PTFE	40	710726
3.160" / 80.264mm	3.168" / 80.460mm	0.563" / 14.300mm	Fluoro-Elastomer	87	710877	2.756" / 69.850mm	2.765" / 70.230mm	0.472" / 12.000mm	Polyacrylate	87	714503
2.500" / 63.500mm	2.520" / 64.008mm	0.303" / 7.696mm	Fluoro-Elastomer	72	711099	<b>1.887" / 47.930mm Shaft</b>					
2.561" / 65.049mm	2.565" / 65.151mm	0.528" / 13.411mm	Fluoro-Elastomer	76	712692	2.700" / 68.580mm	2.704" / 68.680mm	0.582" / 14.780mm	Nitrile	74	9449
<b>1.875" / 47.630mm Shaft</b>						<b>1.890" / 48.000mm Shaft</b>					
3.150" / 80.010mm	3.155" / 80.140mm	0.250" / 6.350mm	Nitrile	46	715100	2.441" / 62.000mm	2.451" / 62.250mm	0.236" / 6.000mm	Nitrile	34	1188
2.797" / 71.040mm	2.805" / 71.240mm	0.530" / 13.460mm	Fluoro-Elastomer	72	719316	2.835" / 72.000mm	2.847" / 72.310mm	0.276" / 7.000mm	Nitrile	32	1208
3.105" / 78.870mm	3.110" / 78.990mm	0.500" / 12.700mm	Leather	47	7216	2.441" / 62.000mm	2.445" / 62.100mm	0.276" / 7.000mm	Nitrile	48	1949
2.400" / 60.960mm	2.405" / 61.090mm	0.240" / 6.100mm	Nitrile	204	7934S	2.441" / 62.000mm	2.445" / 62.100mm	0.354" / 9.000mm	Nitrile	#	1956
<b>1.875" / 47.625mm Shaft</b>						2.559" / 65.000mm	2.571" / 65.300mm	0.315" / 8.000mm	Nitrile	25	1973
3.000" / 76.200mm	3.005" / 76.327mm	0.250" / 6.350mm	Nitrile	#	797723	2.756" / 70.000mm	2.767" / 70.280mm	0.394" / 10.000mm	Nitrile	32	1994
						2.441" / 62.000mm	2.452" / 62.280mm	0.307" / 7.800mm	Polyacrylate	32	224810

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.890" / 48.000mm Shaft (Cont.)</b>						<b>1.890" / 48.000mm Shaft (Cont.)</b>					
2.913" / 74.000mm	2.925" / 74.300mm	0.394" / 10.000mm	Polyacrylate	40	224815	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Ethylene-Acrylic	32	710961
2.441" / 62.000mm	2.445" / 62.100mm	0.315" / 8.000mm	Nitrile	32	224820	3.071" / 78.000mm	3.079" / 78.200mm	0.551" / 14.000mm	Polyacrylate	40	710981
2.677" / 68.000mm	2.689" / 68.300mm	0.433" / 11.000mm	Nitrile	32	224840	3.228" / 82.000mm	3.236" / 82.200mm	0.472" / 12.000mm	Fluoro-Elastomer	40	711056
2.874" / 73.000mm	2.878" / 73.100mm	0.276" / 7.000mm	Nitrile	47	224870	3.163" / 80.350mm	3.171" / 3.484mm	0.522" / 13.250mm	Fluoro-Elastomer	74	711069
2.835" / 72.000mm	2.848" / 72.350mm	0.335" / 8.500mm	Nitrile	32	224872	3.543" / 90.000mm	3.555" / 90.300mm	0.315" / 8.000mm	Polyacrylate	#	711074
2.913" / 74.000mm	2.922" / 74.230mm	0.394" / 10.000mm	Nitrile	32	224874	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	711083
2.559" / 65.000mm	2.565" / 65.150mm	0.965" / 24.500mm	Polyacrylate	66	4528N	2.441" / 62.000mm	2.449" / 62.200mm	0.650" / 16.500mm	Fluoro-Elastomer	#	711113
2.441" / 62.000mm	2.445" / 62.100mm	0.315" / 8.000mm	Nitrile	35	48X62X8	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Polyacrylate	32	711121
2.480" / 63.000mm	2.484" / 63.090mm	0.354" / 9.000mm	Nitrile	47	48X63X9	<b>1.893" / 48.080mm Shaft</b>					
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	35	48X70X8	2.811" / 71.400mm	2.816" / 71.530mm	0.458" / 11.630mm	Fluoro-Elastomer	85	710481
2.756" / 70.000mm	2.767" / 70.280mm	0.354" / 9.000mm	Nitrile	35	48X70X9	2.434" / 61.820mm	2.438" / 61.930mm	0.250" / 6.350mm	Nitrile	33	8704S
2.835" / 72.000mm	2.847" / 72.310mm	0.276" / 7.000mm	Nitrile	32	48X72X7	<b>1.894" / 48.108mm Shaft</b>					
2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Nitrile	32	48X75X10	2.833" / 71.950mm	2.835" / 72.000mm	0.438" / 11.125mm	Nitrile	#	100944
3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32	48X80X8	<b>1.927" / 48.950mm Shaft</b>					
3.543" / 90.000mm	3.551" / 90.200mm	0.394" / 10.000mm	Nitrile	35	48X90X10	2.910" / 73.910mm	2.920" / 74.170mm	1.210" / 30.730mm	Polyacrylate	49	710565
2.520" / 64.000mm	2.528" / 64.200mm	0.512" / 13.000mm	Nitrile	75	710167	<b>1.928" / 48.971mm Shaft</b>					
4.272" / 108.500mm	4.280" / 108.700mm	0.472" / 12.000mm	Nitrile	32	710296	2.795" / 70.933mm	2.801" / 71.133mm	0.456" / 11.582mm	Ethylene-Acrylic	#	710646
2.756" / 70.000mm	2.764" / 70.200mm	0.472" / 12.000mm	Nitrile	32	710313	2.795" / 70.933mm	2.801" / 71.133mm	0.456" / 11.582mm	Fluoro-Elastomer	32	710831
2.441" / 62.000mm	2.445" / 62.100mm	0.354" / 9.000mm	Nitrile	48	710320	<b>1.929" / 49.000mm Shaft</b>					
2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 6.500mm	Fluoro-Elastomer	32	710356	2.520" / 64.000mm	2.531" / 64.280mm	0.236" / 6.000mm	Nitrile	#	1936
<b>1.890" / 48.010mm Shaft</b>						3.110" / 79.000mm	3.114" / 79.100mm	0.689" / 17.500mm	Polyacrylate	47	224979
2.810" / 71.370mm	2.815" / 71.500mm	0.433" / 11.000mm	Polyacrylate	40	710453	2.563" / 65.100mm	2.567" / 65.200mm	0.315" / 8.000mm	PTFE	W-H	39877
<b>1.890" / 48.000mm Shaft</b>						2.441" / 62.000mm	2.447" / 62.150mm	0.315" / 8.000mm	Nitrile	66	4904
2.875" / 73.030mm	2.883" / 73.230mm	0.417" / 10.600mm	Polyacrylate	41	710567	3.937" / 100.000mm	3.945" / 100.200mm	0.315" / 8.000mm	Nitrile	32	710081
2.624" / 66.650mm	2.628" / 66.750mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710580	2.843" / 72.200mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	97	710148
2.677" / 68.000mm	2.689" / 68.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710644	2.756" / 70.000mm	2.764" / 70.200mm	0.339" / 8.600mm	Nitrile	32	710255
2.756" / 70.000mm	2.764" / 70.200mm	0.2756" / 7.000mm	Ethylene-Acrylic	32	710696	2.756" / 70.000mm	2.760" / 70.100mm	0.492" / 12.500mm	Nitrile	40	710305
2.520" / 64.000mm	2.528" / 64.200mm	0.472" / 12.000mm	Polyacrylate	49	710758	2.560" / 65.000mm	2.565" / 65.150mm	1.437" / 36.500mm	Nitrile	91	710459
2.677" / 68.000mm	2.685" / 68.200mm	0.366" / 9.300mm	PTFE	32	710764	2.323" / 59.000mm	2.331" / 59.200mm	0.413" / 10.500mm	PTFE	#	710551
2.559" / 65.000mm	2.567" / 65.200mm	0.295" / 7.500mm	Polyacrylate	32	710795	2.520" / 64.000mm	2.531" / 64.262mm	0.315" / 8.000mm	Polyacrylate	32	710631
2.638" / 67.000mm	2.646" / 67.200mm	0.295" / 7.500mm	Polyacrylate	32	710796	2.520" / 64.000mm	2.528" / 64.200mm	0.433" / 11.000mm	Polyacrylate	40	710779
2.894" / 73.500mm	2.902" / 73.700mm	0.374" / 9.500mm	Fluoro-Elastomer	#	710869	2.598" / 66.000mm	2.606" / 66.200mm	0.295" / 7.500mm	Polyacrylate	32	710908
2.362" / 60.000mm	2.370" / 60.200mm	0.354" / 9.000mm	Polyacrylate	32	710915	3.150" / 80.000mm	3.157" / 80.200mm	0.433" / 11.000mm	Ethylene-Acrylic	74	710996
3.346" / 85.000mm	3.358" / 85.300mm	0.531" / 13.500mm	Fluoro-Elastomer	74	710920	<b>1.937" / 49.200mm Shaft</b>					
						2.686" / 68.220mm	2.690" / 68.330mm	0.304" / 7.720mm	Polyacrylate	48	3173

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.937" / 49.200mm Shaft (Cont.)</b>						<b>1.937" / 49.200mm Shaft (Cont.)</b>					
3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417474	2.578" / 65.480mm	2.830" / 71.880mm	0.292" / 7.420mm	Nitrile	25	9150S
<b>1.938" / 49.225mm Shaft</b>						<b>1.938" / 49.225mm Shaft</b>					
3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450094	2.471" / 62.763mm	2.475" / 62.865mm	0.313" / 7.950mm	Fluoroelastomer	25	258301
3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Polyacrylate	45	450094N	2.875" / 73.025mm	2.879" / 73.127mm	0.313" / 7.950mm	Fluoroelastomer	45	458308
2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45	450279	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	47	477717
3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450965	<b>1.938" / 49.230mm Shaft</b>					
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	456057	2.680" / 68.070mm	2.685" / 68.200mm	0.500" / 12.700mm	Polyacrylate	32	710928
3.500" / 88.900mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	4S	45653S	<b>1.940" / 49.280mm Shaft</b>					
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Fluoro-Elastomer	47	470138V	2.762" / 70.150mm	2.766" / 70.260mm	0.500" / 12.700mm	Nitrile	47	2043
2.412" / 61.260mm	2.416" / 61.370mm	0.468" / 11.890mm	Nitrile	47	470409	2.909" / 73.890mm	2.914" / 74.020mm	0.520" / 13.210mm	Nitrile	76	3896
2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	471195	2.622" / 66.600mm	2.626" / 66.700mm	0.255" / 6.477mm	Nitrile	281	5121
3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	471391	2.500" / 63.550mm	2.505" / 63.630mm	0.250" / 6.350mm	Nitrile	286	6815
2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47	471854	2.900" / 73.660mm	2.905" / 73.910mm	0.400" / 10.160mm	Nitrile	74	710281
2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471869	2.813" / 71.450mm	2.817" / 71.550mm	0.428" / 10.870mm	Nitrile	88	8622
2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47	472144	<b>1.943" / 49.350mm Shaft</b>					
2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	472319	2.913" / 74.000mm	2.921" / 74.200mm	0.453" / 11.500mm	Fluoro-Elastomer	86	710536
3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47	472394	<b>1.945" / 49.400mm Shaft</b>					
2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473241	2.891" / 73.430mm	2.895" / 73.530mm	0.290" / 7.370mm	Nitrile	200	200371
2.686" / 68.220mm	2.690" / 68.330mm	0.312" / 7.920mm	Nitrile	47	473459	<b>1.949" / 49.500mm Shaft</b>					
2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	473460	2.780" / 70.610mm	2.785" / 70.736mm	0.382" / 9.700mm	Fluoro-Elastomer	74	710749
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473461	<b>1.953" / 49.600mm Shaft</b>					
3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	473462	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710743
2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	47	474269	<b>1.965" / 49.900mm Shaft</b>					
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	47	476509	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Polyacrylate	32	710905
2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48	481195	<b>1.968" / 49.990mm Shaft</b>					
2.686" / 68.220mm	2.690" / 68.330mm	0.312" / 7.920mm	Silicone	48	483459H	2.960" / 75.180mm	2.964" / 75.290mm	0.250" / 6.350mm	Nitrile	4S	40370S
2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Silicone	33	6988H	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450111
2.562" / 65.070mm	2.566" / 65.180mm	0.317" / 8.050mm	Nitrile	48	710058	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450472
2.750" / 69.850mm	2.754" / 69.950mm	0.313" / 7.950mm	Fluoro-Elastomer	48	710162	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450474
2.650" / 67.310mm	2.655" / 67.440mm	0.360" / 9.140mm	Rope	#	710163	2.742" / 69.650mm	2.746" / 69.750mm	0.500" / 12.700mm	Polyacrylate	45	450911N
2.683" / 68.160mm	2.700" / 68.580mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710627	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	473814
2.683" / 68.160mm	2.700" / 68.580mm	0.512" / 13.000mm	Polyacrylate	#	710645	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Leather	5L	50528
2.683" / 68.160mm	2.700" / 68.580mm	0.500" / 12.700mm	Fluoro-Elastomer	#	710693	2.686" / 68.220mm	2.690" / 68.330mm	0.370" / 9.400mm	Silicone	33	7751H
2.685" / 68.200mm	2.693" / 68.400mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710941	<b>1.969" / 50.000mm Shaft</b>					
						2.559" / 65.000mm	2.572" / 65.330mm	0.335" / 8.500mm	Nitrile	35	1209
						3.051" / 77.500mm	3.071" / 77.700mm	0.354" / 9.000mm	Nitrile	47	1941

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.969" / 50.000mm Shaft (Cont.)</b>						<b>1.969" / 50.000mm Shaft (Cont.)</b>					
2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	35	1948	2.677" / 68.000mm	2.688" / 68.270mm	0.276" / 7.000mm	Nitrile	32	710194
2.756" / 70.000mm	2.765" / 70.230mm	0.354" / 9.000mm	Nitrile	47	1960	2.638" / 67.000mm	2.648" / 67.260mm	0.315" / 8.000mm	Nitrile	32	710226
2.638" / 67.000mm	2.648" / 67.270mm	0.433" / 11.000mm	Nitrile	97	1974	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Polyacrylate	32	710354
2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	225005	2.638" / 67.000mm	2.646" / 67.200mm	0.354" / 9.000mm	Nitrile	47	710357
2.559" / 65.000mm	2.565" / 65.280mm	0.315" / 8.000mm	Nitrile	47	225010	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Nitrile	40	710398
2.677" / 68.000mm	2.688" / 68.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32	225020	2.953" / 75.000mm	2.957" / 75.100mm	0.354" / 9.000mm	Nitrile	47	710437
2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35	225030	2.571" / 65.300mm	2.583" / 65.600mm	0.315" / 8.000mm	Nitrile	32	710529
2.835" / 72.000mm	2.848" / 72.350mm	0.472" / 12.000mm	Nitrile	32	225040	2.756" / 70.000mm	2.756" / 70.230mm	0.354" / 9.000mm	Polyacrylate	48	710649
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	35	225050	2.559" / 65.000mm	2.569" / 65.250mm	0.394" / 10.000mm	Polyacrylate	32	710651
3.228" / 82.000mm	3.235" / 82.180mm	0.315" / 8.000mm	Nitrile	#	225082	2.756" / 70.000mm	2.764" / 70.200mm	0.433" / 11.000mm	Fluoro-Elastomer	32	710674
2.618" / 66.500mm	2.623" / 66.620mm	0.610" / 13.000mm	Nitrile	40	229522	2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710703
2.618" / 66.500mm	2.623" / 66.620mm	0.375" / 9.525mm	Nitrile	47	474134	2.677" / 68.000mm	2.685" / 68.200mm	0.354" / 9.000mm	PTFE	40	710732
4.331" / 110.000mm	4.336" / 110.130mm	0.374" / 9.500mm	Nitrile	47	476512	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40	710746
2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	50X62X7	2.756" / 70.000mm	2.764" / 70.200mm	0.453" / 11.500mm	Fluoro-Elastomer	47	710835
2.559" / 65.000mm	2.570" / 65.280mm	0.315" / 8.000mm	Nitrile	32	50X65X8	<b>/ Shaft</b>					
2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	35	50X68X8	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710861
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	50X70X8	<b>1.969" / 50.000mm Shaft</b>					
2.756" / 70.000mm	2.764" / 70.200mm	0.354" / 9.000mm	Nitrile	32	50X70X9	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	40	710888
2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35	50X72X8	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710899
2.953" / 75.000mm	2.964" / 75.280mm	0.472" / 12.000mm	Nitrile	32	50X75X12	2.854" / 72.500mm	2.862" / 72.700mm	0.417" / 10.600mm	Polyacrylate	40	710916
2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32	50X75X7	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Ethylene-Acrylic	40	710944
3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	50X80X10	2.795" / 71.000mm	2.803" / 71.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40	710956
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	50X80X8	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Polyacrylate	40	710988
3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32	50X85X8	3.150" / 80.000mm	3.159" / 80.250mm	0.315" / 8.000mm		40	710992
3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35	50X90X10	2.835" / 72.000mm	2.846" / 72.300mm	0.354" / 9.000mm	Ethylene-Acrylic	40	710993
3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	50X90X8	3.228" / 82.000mm	3.238" / 82.250mm	0.354" / 9.000mm	Polyacrylate	40	710994
3.661" / 93.000mm	3.672" / 93.280mm	0.945" / 24.000mm	Nitrile	74	710071	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711038
2.520" / 64.000mm	2.528" / 64.200mm	0.256" / 6.500mm	Nitrile	71	710098	3.150" / 80.000mm	3.158" / 80.200mm	0.472" / 12.000mm	Nitrile	40	711046
3.150" / 80.000mm	3.161" / 80.300mm	0.650" / 16.500mm	Polyacrylate	40	710112	3.386" / 86.000mm	3.394" / 86.200mm	0.492" / 12.500mm	Polyacrylate	40	711088
3.386" / 86.000mm	3.398" / 86.300mm	0.512" / 13.000mm	Polyacrylate	40	710117	2.756" / 70.000mm	2.764" / 70.200mm	0.346" / 8.800mm	Polyacrylate	40	711115
2.913" / 74.000mm	2.921" / 74.200mm	0.354" / 9.000mm	Nitrile	40	710137	<b>1.978" / 50.250mm Shaft</b>					
2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Polyacrylate	40	710173	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40	710957
2.362" / 60.000mm	2.372" / 60.250mm	0.236" / 6.000mm	Nitrile	32	710192	<b>1.988" / 50.500mm Shaft</b>					
						2.975" / 75.560mm	2.988" / 75.980mm	0.406" / 10.31mm	PTFE	#	710842

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>1.991" / 50.570mm Shaft</b>						<b>2.000" / 50.800mm Shaft (Cont.)</b>					
2.900" / 73.660mm	2.975" / 75.570mm	0.290" / 7.370mm	Nitrile	200E	200885	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450085
<b>1.996" / 50.700mm Shaft</b>						<b>2.000" / 50.800mm Shaft (Cont.)</b>					
2.743" / 69.670mm	2.751" / 69.880mm	0.325" / 8.260mm	Silicone	75	3404	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450095
3.111" / 79.020mm	3.120" / 79.250mm	0.344" / 8.740mm	Fluoro-Elastomer	75	4189H	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45	450301
2.745" / 69.720mm	2.753" / 69.920mm	0.315" / 8.000mm	Polyacrylate	75	710485	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450389
2.000" / 50.800mm	2.878" / 73.100mm	0.250" / 6.350mm	Nitrile	44	8998	2.713" / 68.910mm	2.717" / 69.010mm	0.468" / 11.890mm	Nitrile	45	450446
<b>1.998" / 50.749mm Shaft</b>						<b>2.000" / 50.800mm Shaft (Cont.)</b>					
2.878" / 73.100mm	2.882" / 73.200mm	0.340" / 8.640mm	Polyacrylate	86	714598	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Fluoro-Elastomer	45	450543V
<b>2.000" / 50.800mm Shaft</b>						<b>2.000" / 50.800mm Shaft (Cont.)</b>					
2.875" / 73.030mm	2.879" / 73.130mm	0.290" / 7.370mm	Nitrile	200	200339	2.500" / 63.500mm	2.504" / 63.600mm	0.437" / 11.100mm	Silicone	45	452261H
2.804" / 71.220mm	2.824" / 71.730mm	0.294" / 7.470mm	Nitrile	200E	200881	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455253
3.623" / 92.020mm	3.628" / 92.150mm	0.250" / 6.350mm	Nitrile	204	204506	2.878" / 73.100mm	2.882" / 73.200mm	0.340" / 8.640mm	Polyacrylate	83	4598
3.062" / 77.770mm	3.066" / 77.880mm	0.250" / 6.350mm	Nitrile	204	204508	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	470530
2.964" / 75.290mm	2.968" / 75.390mm	0.500" / 12.700mm	Felt	205	205044	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Fluoro-Elastomer	47	470530V
2.635" / 66.930mm	2.639" / 67.030mm	0.235" / 5.970mm	Felt	29	292594	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	47	470543
2.746" / 69.750mm	2.750" / 69.850mm	0.375" / 9.530mm	Silicone	33	331107N	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	471424
2.562" / 65.070mm	2.566" / 65.180mm	0.528" / 13.410mm	Polyacrylate	33	331301N	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47	471424V
2.502" / 63.550mm	2.508" / 63.700mm	0.250" / 6.350mm	Nitrile	35	352541	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471870
2.996" / 76.100mm	3.001" / 76.230mm	0.250" / 6.350mm	Nitrile	4S	40085S	2.686" / 68.220mm	2.690" / 68.330mm	0.437" / 11.100mm	Nitrile	47	471883
3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	40301S	2.880" / 73.150mm	2.884" / 73.250mm	0.375" / 9.530mm	Nitrile	47	472082
2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S	40389S	2.742" / 69.650mm	2.746" / 69.750mm	0.375" / 9.530mm	Nitrile	47	472341
2.501" / 63.530mm	2.506" / 63.650mm	0.250" / 6.350mm	Leather	4L	40401	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47	472397
2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	40410S	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472397V
2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	41	410085	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	472492
2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Polyacrylate	41	410085N	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472492V
3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	41	410102	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	472653
3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	41	412027	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47	472924
3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	41	412028	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472924V
3.150" / 80.010mm	3.155" / 80.140mm	0.375" / 9.530mm	Nitrile	41	412725	3.125" / 79.380mm	3.130" / 79.500mm	0.312" / 7.920mm	Nitrile	47	473242
2.623" / 66.620mm	2.627" / 66.730mm	0.280" / 7.110mm	Nitrile	286	4148	3.062" / 77.770mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473463
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	41	415627	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	473464
3.264" / 82.910mm	3.269" / 83.030mm	0.250" / 6.350mm	Nitrile	44	441148	2.561" / 65.050mm	2.565" / 65.150mm	0.250" / 6.350mm	Nitrile	282	4739
2.375" / 60.325mm	2.379" / 60.427mm	0.188" / 4.775mm	Nitrile	44	447812	2.717" / 69.000mm	2.721" / 69.110mm	0.375" / 9.530mm	Nitrile	47	474272
2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450083	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	48	487945
						2.846" / 72.290mm	2.850" / 72.390mm	0.375" / 9.530mm	Nitrile	49	493524
						2.745" / 69.720mm	2.749" / 69.820mm	0.230" / 5.840mm	Nitrile	203	5113

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.000" / 50.800mm Shaft (Cont.)</b>						<b>2.047" / 52.000mm Shaft (Cont.)</b>					
3.251" / 82.575mm	3.256" / 82.702mm	0.625" / 15.875mm	Nitrile	41	5524	2.756" / 70.000mm	2.767" / 70.270mm	0.315" / 8.000mm	Nitrile	47	225225
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Leather	5L	55524	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35	225230
2.750" / 69.850mm	2.754" / 69.950mm	0.187" / 4.750mm	Leather	4L	5865	2.953" / 75.000mm	2.957" / 75.110mm	0.295" / 7.500mm	Nitrile	66	225275
2.630" / 66.800mm	2.750" / 69.850mm	0.562" / 14.270mm	Nitrile	273	6090S	2.598" / 66.000mm	2.603" / 66.120mm	0.295" / 7.500mm	Nitrile	66	4898
2.875" / 73.030mm	2.879" / 73.130mm	0.703" / 17.860mm	Nitrile	21	6163S	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Nitrile	281	4990
2.500" / 63.500mm	2.505" / 63.630mm	0.250" / 6.350mm	Urethane	#	710025	2.559" / 65.000mm	2.571" / 65.300mm	0.354" / 9.000mm	Nitrile	32	52X65X9
2.625" / 66.680mm	2.630" / 66.800mm	0.312" / 7.920mm	Polyacrylate	47	710263	2.717" / 69.000mm	2.728" / 69.280mm	0.394" / 10.000mm	Nitrile	35	52X69X10
2.720" / 69.090mm	2.725" / 69.220mm	0.210" / 5.330mm	Nitrile	46	710365	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	52X70X8
2.745" / 69.723mm	2.750" / 69.850mm	0.369" / 9.373mm	Polyacrylate	47	710447	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	35	52X72X8
2.623" / 66.620mm	2.631" / 66.820mm	0.264" / 6.700mm	Polyacrylate	62	710640	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	52X80X10
2.996" / 76.100mm	3.003" / 76.280mm	0.438" / 11.130mm	Polyacrylate	47	714654	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32	52X85X7
2.961" / 75.210mm	2.971" / 75.460mm	0.250" / 6.350mm	Felt	#	8139	3.031" / 77.000mm	3.071" / 78.000mm	0.354" / 9.000mm	Nitrile	34	710107
2.562" / 65.070mm	2.566" / 65.180mm	0.220" / 5.590mm	Nitrile	286	8871	3.701" / 94.000mm	3.713" / 94.300mm	0.394" / 10.000mm	Nitrile	35	710185
2.561" / 65.050mm	2.565" / 65.150mm	0.549" / 13.940mm	Nitrile	44	9015S	2.756" / 70.000mm	2.766" / 70.270mm	0.335" / 8.500mm	Polyacrylate	32	710187
2.625" / 66.680mm	2.629" / 66.780mm	0.285" / 7.240mm	Nitrile	279	9406S	2.677" / 68.000mm	2.694" / 68.430mm	0.394" / 10.000mm	Silicone	32	710190
<b>2.005" / 50.930mm Shaft</b>						<b>2.047" / 52.000mm Shaft (Cont.)</b>					
2.878" / 73.100mm	2.888" / 73.360mm	0.340" / 8.640mm	Fluoro-Elastomer	32	320259	2.441" / 62.000mm	2.480" / 63.000mm	0.217" / 5.500mm	Nitrile	34	710253
<b>2.008" / 51.000mm Shaft</b>						<b>2.047" / 52.000mm Shaft (Cont.)</b>					
2.559" / 65.000mm	2.563" / 65.100mm	0.276" / 7.000mm	Nitrile	47	225110	2.677" / 68.000mm	2.681" / 68.100mm	0.315" / 8.000mm	Nitrile	40	710292
2.598" / 66.000mm	2.606" / 66.200mm	0.256" / 6.500mm	Polyacrylate	35	710265	2.677" / 68.000mm	2.685" / 68.200mm	0.512" / 13.000mm	Nitrile	32	710312
2.480" / 63.000mm	2.488" / 63.200mm	0.335" / 8.500mm	Nitrile	49	710323	2.717" / 69.000mm	2.724" / 69.200mm	0.591" / 15.000mm	Nitrile	32	710527
2.441" / 62.000mm	2.445" / 62.100mm	0.276" / 7.000mm	Nitrile	33	710407	2.622" / 66.600mm	2.630" / 66.800mm	0.354" / 9.000mm	PTFE	34	710555
2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710788	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Polyacrylate	35	710634
2.756" / 70.000mm	2.764" / 70.200mm	0.295" / 7.500mm	Polyacrylate	32	710912	2.835" / 72.000mm	2.839" / 72.200mm	0.315" / 8.000mm	Polyacrylate	40	710722
2.598" / 66.000mm	2.606" / 66.200mm	0.275" / 7.000mm	Ethylene-Acrylic	32	710923	3.425" / 87.000mm	3.433" / 87.200mm	0.406" / 10.300mm	Polyacrylate	40	710734
2.598" / 66.000mm	2.606" / 66.200mm	0.295" / 7.500mm	Polyacrylate	32	710932	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40	710744
4.312" / 111.300mm	4.394" / 111.600mm	0.441" / 11.200mm	Ethylene-Acrylic	#	711051	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40	710745
2.756" / 70.000mm	2.767" / 70.280mm	0.433" / 11.000mm	Polyacrylate	32	8316	3.555" / 90.300mm	3.563" / 90.500mm	0.394" / 10.000mm	Fluoro-Elastomer	74	710751
<b>2.010" / 51.050mm Shaft</b>						<b>2.047" / 52.000mm Shaft (Cont.)</b>					
2.650" / 67.310mm	2.655" / 67.440mm	0.363" / 9.220mm	Nitrile	49	3794	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Polyacrylate	32	710777
<b>2.047" / 52.000mm Shaft</b>						<b>2.048" / 52.020mm Shaft</b>					
2.559" / 65.000mm	2.571" / 65.300mm	0.354" / 9.000mm	Nitrile	35	1955	2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Polyacrylate	40	710946
2.598" / 66.000mm	2.607" / 66.230mm	0.354" / 9.000mm	Polyacrylate	35	225210	2.953" / 75.000mm	2.963" / 75.250mm	0.315" / 8.000mm	Fluoro-Elastomer	40	710953
2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	32	225220	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Polyacrylate	40	711059
<b>2.058" / 52.270mm Shaft</b>						<b>2.048" / 52.020mm Shaft (Cont.)</b>					
3.149" / 79.980mm	3.154" / 80.110mm	0.270" / 6.860mm	Nitrile	200	200110	2.728" / 69.290mm	2.732" / 69.390mm	0.590" / 14.990mm	Nitrile	#	3087

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.058" / 52.280mm Shaft</b>						<b>2.087" / 53.000mm Shaft</b>					
2.622" / 66.610mm	2.628" / 66.740mm	0.311" / 7.900mm	Fluoro-Elastomer	32	710604	2.795" / 71.000mm	2.801" / 71.136mm	0.453" / 11.500mm	Nitrile	47	710589
<b>2.059" / 52.300mm Shaft</b>						<b>2.088" / 53.040mm Shaft</b>					
2.846" / 72.300mm	2.852" / 72.450mm	0.398" / 10.100mm	Fluoro-Elastomer	74	710561	2.911" / 73.940mm	2.915" / 74.040mm	0.500" / 12.700mm	Nitrile	74	710507
<b>2.062" / 52.370mm Shaft</b>						<b>2.093" / 53.160mm Shaft</b>					
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	96	2822V	2.717" / 69.000mm	2.725" / 69.220mm	0.250" / 6.350mm	Nitrile	34	340900
3.000" / 76.200mm	3.005" / 76.330mm	0.437" / 11.100mm	Polyacrylate	41	412798N	3.150" / 80.010mm	3.156" / 80.160mm	0.250" / 6.350mm	Nitrile	4S	40973S
2.937" / 74.600mm	3.034" / 77.060mm	0.340" / 8.640mm	Nitrile	200E	4162	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S	41013S
3.190" / 81.030mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	41	416738	2.717" / 69.000mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	204	6590S
3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450096	<b>2.122" / 53.900mm Shaft</b>					
3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	45	450307	3.030" / 76.960mm	3.040" / 77.220mm	0.430" / 10.920mm	Fluoro-Elastomer	87	710653
3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	45	450311	<b>2.125" / 53.980mm Shaft</b>					
3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450313	2.880" / 73.150mm	2.885" / 73.280mm	0.550" / 13.970mm	Polyacrylate	74	2457
3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450343	3.189" / 81.030mm	3.194" / 81.130mm	0.437" / 11.100mm	PTFE	W-H	39302
2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Nitrile	45	451948	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	PTFE	W-H	39719
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45	455260	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	PTFE	FW-H	39851
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472012	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	PTFE	FW-H	39853
2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	473466	2.875" / 73.030mm	2.879" / 73.130mm	0.250" / 6.350mm	Nitrile	4S	40566S
2.561" / 65.050mm	2.565" / 65.150mm	0.313" / 7.950mm	Fluoro-Elastomer	48	484064V	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	41	410308
3.151" / 80.040mm	3.156" / 80.160mm	0.240" / 6.100mm	Felt	29	5756	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Polyacrylate	41	410312N
2.842" / 72.190mm	2.846" / 72.290mm	0.450" / 11.430mm	Leather	5L	5877	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Polyacrylate	41	410867N
3.000" / 76.200mm	3.005" / 76.330mm	0.310" / 7.870mm	Nitrile	44	6954S	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Polyacrylate	41	410972N
<b>2.063" / 52.400mm Shaft</b>						<b>2.065" / 52.450mm Shaft</b>					
3.000" / 76.200mm	3.005" / 76.327mm	0.375" / 9.525mm	Fluoroelastomer	47	477701	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	41	412015V
3.000" / 76.200mm	3.007" / 76.380mm	0.394" / 10.010mm	Fluoro-Elastomer	75	710533	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	413469
<b>2.067" / 52.400mm Shaft</b>						<b>2.087" / 53.000mm Shaft</b>					
3.125" / 79.380mm	3.130" / 79.500mm	0.294" / 7.470mm	Nitrile	200E	200865	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	413470
<b>2.087" / 53.000mm Shaft</b>						<b>2.087" / 53.000mm Shaft</b>					
2.677" / 68.000mm	2.688" / 68.280mm	0.394" / 10.000mm	Nitrile	32	53X68X10	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Fluoro-Elastomer	41	413470V
2.685" / 68.200mm	2.696" / 68.480mm	0.276" / 7.000mm	Nitrile	32	710175	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41	415349
2.756" / 70.000mm	2.764" / 70.200mm	0.496" / 12.600mm	Nitrile	86	710506	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416267
2.795" / 71.000mm	2.799" / 71.100mm	0.354" / 9.000mm	Nitrile	35	710522	3.371" / 85.620mm	3.376" / 85.750mm	0.312" / 7.920mm	Nitrile	44	440972
3.176" / 80.670mm	3.181" / 80.800mm	0.433" / 11.000mm	Polyacrylate	72	710537	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450115
<b>2.0870" / 53.000mm Shaft</b>						<b>2.0870" / 53.000mm Shaft</b>					
2.874" / 73.000mm	2.882" / 73.200mm	0.394" / 10.000mm	Polyacrylate	32	710588	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450121
						<b>2.0870" / 53.000mm Shaft</b>					
						3.061" / 77.750mm					
						3.066" / 77.880mm					
						0.500" / 12.700mm					
						Nitrile					
						45					
						450308					

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.125" / 53.980mm Shaft (Cont.)</b>						<b>2.126" / 54.000mm Shaft (Cont.)</b>					
2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450365	2.835" / 72.000mm	2.844" / 72.250mm	0.394" / 10.000mm	Nitrile	32	54X72X10
2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45	450639	2.874" / 73.000mm	2.882" / 73.200mm	0.315" / 8.000mm	Nitrile	32	54X73X8
2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Nitrile	45	450867	3.228" / 82.000mm	3.242" / 82.350mm	0.394" / 10.000mm	Nitrile	32	54X82X10
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45	455080	2.965" / 75.300mm	2.972" / 75.480mm	0.472" / 12.000mm	Nitrile	40	710073
3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Polyacrylate	47	470308N	2.717" / 69.000mm	2.726" / 69.230mm	0.295" / 7.500mm	Polyacrylate	40	710239
2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	470898	2.559" / 65.000mm	2.570" / 65.280mm	0.276" / 7.000mm	Polyacrylate	48	710478
2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47	470898V	2.520" / 64.000mm	2.530" / 64.250mm	0.354" / 9.000mm	Nitrile	40	710574
2.758" / 70.050mm	2.762" / 70.150mm	0.437" / 11.100mm	Nitrile	47	471950	2.992" / 76.000mm	3.000" / 76.200mm	0.315" / 8.000mm	Nitrile	35	710638
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472015	<b>2.1260" / 54.000mm Shaft</b>					
3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472016	2.875" / 73.020mm	2.879" / 73.120mm	0.4370" / 11.100mm	Fluoro-Elastomer	#	710652
3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	472409	<b>2.126" / 54.000mm Shaft</b>					
2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	473204	2.953" / 75.000mm	2.961" / 75.200mm	0.492" / 12.500mm	Fluoro-Elastomer	87	710694
3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	473243	3.150" / 80.000mm	3.157" / 80.200mm	0.443" / 11.250mm	Nitrile	66	710851
2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	473467	2.992" / 76.000mm	3.000" / 76.200mm	0.453" / 11.500mm	Fluoro-Elastomer	#	711011
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473468	2.835" / 72.000mm	2.843" / 72.200mm	0.346" / 8.000mm	Polyacrylate	32	711053
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	475080N	2.835" / 72.000mm	2.843" / 72.200mm	0.366" / 9.300mm	Polyacrylate	35	711098
3.149" / 79.980mm	3.154" / 80.110mm	0.375" / 9.530mm	Nitrile	47	476535	<b>2.129" / 54.080mm Shaft</b>					
3.436" / 87.270mm	3.440" / 87.380mm	0.625" / 15.880mm	Felt	29	6380	2.835" / 72.010mm	2.846" / 72.290mm	0.323" / 8.200mm	PTFE	32	100470
2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	4S	6626S	2.891" / 73.430mm	2.895" / 73.530mm	0.250" / 6.350mm	Nitrile	4S	42101S
2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Silicone	33	6879H	<b>2.136" / 54.250mm Shaft</b>					
<b>2.125" / 53.975mm Shaft</b>						2.904" / 73.761mm	2.910" / 73.914mm	0.326" / 8.280mm	Nitrile	272	8312
2.914" / 74.016mm	2.920" / 74.166mm	0.469" / 11.913mm	PTFE	74	710558	<b>2.141" / 54.380mm Shaft</b>					
<b>2.125" / 53.980mm Shaft</b>						3.484" / 88.490mm	3.493" / 88.720mm	0.329" / 8.360mm	Fluoro-Elastomer	#	4635V
2.909" / 73.889mm	2.917" / 74.089mm	0.500" / 12.700mm	Fluoro-Elastomer	86	710866	<b>2.146" / 54.508mm Shaft</b>					
3.193" / 81.100mm	3.198" / 81.230mm	0.812" / 20.620mm	Silicone	47	7790H	3.228" / 81.991mm	3.239" / 82.271mm	0.600" / 15.240mm	Fluoro-Elastomer	32	710890
3.146" / 79.910mm	3.153" / 80.090mm	0.500" / 12.700mm	Felt	#	8243	<b>2.156" / 54.760mm Shaft</b>					
3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	49	8430S	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450621
2.996" / 76.100mm	3.001" / 76.230mm	0.687" / 17.450mm	Nitrile	1L	8650S	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450869
2.878" / 73.100mm	2.884" / 73.250mm	0.437" / 11.100mm	Nitrile	47	9599S	<b>2.157" / 54.800mm Shaft</b>					
<b>2.126" / 54.000mm Shaft</b>						3.059" / 77.700mm	3.067" / 77.900mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710725
2.559" / 65.000mm	2.570" / 65.280mm	0.492" / 12.500mm	Nitrile	47	2002	<b>2.160" / 54.860mm Shaft</b>					
2.598" / 66.000mm	2.607" / 66.230mm	0.295" / 7.500mm	Nitrile	#	225410	2.973" / 75.510mm	2.979" / 75.670mm	0.421" / 10.693mm	Polyacrylate	79	100796
3.228" / 82.000mm	3.240" / 82.300mm	0.394" / 10.000mm	Nitrile	32	225450	<b>2.165" / 55.000mm Shaft</b>					
2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	54X65X8	2.913" / 74.000mm	2.917" / 74.100mm	0.236" / 6.000mm	Nitrile	49	1207N
						2.677" / 68.000mm	2.689" / 68.300mm	0.315" / 8.000mm	Nitrile	32	225500
						2.835" / 72.000mm	2.844" / 72.250mm	0.315" / 8.000mm	Nitrile	35	225530

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.165" / 55.000mm Shaft (Cont.)</b>						<b>2.187" / 55.550mm Shaft</b>					
2.835" / 72.000mm	2.843" / 72.200mm	0.413" / 10.500mm	Nitrile	32	225535	3.350" / 85.900mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	412943
2.953" / 75.000mm	2.967" / 75.350mm	0.433" / 11.000mm	Nitrile	35	225545	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	413472
3.937" / 100.000mm	3.949" / 100.300mm	0.500" / 12.700mm	Nitrile	32	55X100X13	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41	415350
3.937" / 100.000mm	3.938" / 100.030mm	0.276" / 7.000mm	Nitrile	32	55X100X7	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416268
2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	32	55X68X8	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450489
2.756" / 70.000mm	2.767" / 70.270mm	0.315" / 8.000mm	Nitrile	35	55X70X8	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47	470354
2.835" / 72.000mm	2.844" / 72.250mm	0.315" / 8.000mm	Nitrile	32	55X72X8	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	471952
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	32	55X75X8	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472018
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	55X80X8	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472020
3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32	55X85X8	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	472234
3.543" / 90.000mm	3.554" / 90.280mm	0.512" / 13.000mm	Nitrile	32	55X90X13	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473244
3.543" / 90.000mm	3.554" / 90.270mm	0.315" / 8.000mm	Nitrile	32	55X90X8	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	473245
2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	74	710127	3.062" / 77.770mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473471
2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710279	5.118" / 130.000mm	5.124" / 130.150mm	0.375" / 9.530mm	Nitrile	47	476511
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	47	710467	3.189" / 81.000mm	3.194" / 81.130mm	0.718" / 18.240mm	Leather	1L	6186
6.732" / 171.000mm	6.740" / 171.200mm	0.295" / 7.500mm	PTFE	40	710787	3.187" / 80.950mm	3.194" / 81.130mm	0.687" / 17.450mm	Nitrile	35	6636S
3.150" / 80.000mm	3.157" / 80.200mm	0.358" / 9.100mm	Fluoro-Elastomer	74	710965	<b>2.200" / 55.880mm Shaft</b>					
3.150" / 80.000mm	3.161" / 80.300mm	0.315" / 8.000mm	Polyacrylate	40	711062	3.022" / 76.760mm	3.028" / 76.910mm	0.422" / 10.720mm	Fluoro-Elastomer	79	4741
2.677" / 68.000mm	2.685" / 68.200mm	0.335" / 8.500mm	Polyacrylate	32	711075	2.804" / 71.220mm	2.809" / 71.350mm	0.300" / 7.620mm	Polyacrylate	47	710171
3.346" / 85.000mm	3.354" / 85.200mm	0.433" / 11.000mm	Fluoro-Elastomer	87	711081	<b>2.201" / 55.910mm Shaft</b>					
2.846" / 72.300mm	2.854" / 72.500mm	0.339" / 8.600mm	Polyacrylate	32	711101	3.519" / 89.380mm	3.523" / 89.480mm	0.590" / 14.990mm	Nitrile	74	2286
2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Polyacrylate	32	711111	2.735" / 69.470mm	2.741" / 69.620mm	0.197" / 5.000mm	Nitrile	284	3553
3.268" / 83.000mm	3.276" / 83.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	711117	<b>2.205" / 56.000mm Shaft</b>					
<b>2.166" / 55.000mm Shaft</b>						2.677" / 68.000mm	2.682" / 68.280mm	0.197" / 5.000mm	Nitrile	49	1932
3.327" / 84.500mm	3.335" / 84.700mm	0.472" / 12.000mm	Fluoro-Elastomer	40	710942	2.874" / 73.000mm	2.885" / 73.280mm	0.492" / 12.500mm	Nitrile	47	1993
3.464" / 88.000mm	3.472" / 88.200mm	0.433" / 11.000mm	Polyacrylate	74	711052	2.874" / 73.000mm	2.879" / 73.126mm	0.295" / 7.500mm	Nitrile	76	225673
<b>2.180" / 55.370mm Shaft</b>						3.071" / 78.000mm	3.082" / 78.280mm	0.299" / 7.600mm	Nitrile	#	225678
3.190" / 81.030mm	3.194" / 81.130mm	0.620" / 15.750mm	Nitrile	69	3103	2.953" / 75.000mm	2.958" / 75.130mm	0.394" / 10.000mm	Polyacrylate	32	225885
2.999" / 76.170mm	3.004" / 76.300mm	0.250" / 6.350mm	Nitrile	282	4740	2.953" / 75.000mm	2.958" / 75.130mm	0.256" / 6.500mm	Nitrile	66	4899
3.190" / 81.030mm	3.194" / 81.130mm	0.620" / 15.750mm	Fluoro-Elastomer	69	713103	2.677" / 68.000mm	2.682" / 68.120mm	0.394" / 10.000mm	Polyacrylate	32	56X68X10
3.000" / 76.200mm	3.005" / 76.330mm	0.495" / 12.570mm	Nitrile	49	8974S	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	35	56X70X8
<b>2.185" / 55.500mm Shaft</b>						2.835" / 72.000mm	2.843" / 72.200mm	0.276" / 7.000mm	Nitrile	32	56X72X7
3.142" / 79.800mm	3.148" / 79.950mm	0.413" / 10.500mm	Polyacrylate	40	710413	2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32	56X75X7
3.016" / 76.600mm	3.020" / 76.700mm	0.465" / 11.800mm	PTFE	79	710771	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	56X80X8

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.205" / 56.000mm Shaft (Cont.)</b>						<b>2.250" / 57.150mm Shaft (Cont.)</b>					
3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	35	56X85X8	3.251" / 82.580mm	3.256" / 82.700mm	0.250" / 6.350mm	Nitrile	4S	40316S
3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	56X90X8	3.125" / 79.380mm	3.130" / 79.500mm	0.250" / 6.350mm	Nitrile	4S	40433S
2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	87	710069	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	40520S
4.803" / 122.000mm	4.813" / 122.250mm	0.315" / 8.000mm	Nitrile	32	710086	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	41	410316
2.992" / 76.000mm	2.997" / 76.120mm	0.293" / 4.900mm	Nitrile	66	710108	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	41	410520
2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Nitrile	47	710125	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	41	410737
2.992" / 76.000mm	2.988" / 76.142mm	0.236" / 6.000mm	Nitrile	72	710146	3.443" / 87.450mm	3.447" / 87.550mm	0.250" / 6.350mm	Nitrile	4S	41075S
2.638" / 67.000mm	2.646" / 67.200mm	0.217" / 5.500mm	Nitrile	35	710169	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	411253
2.913" / 74.000mm	2.919" / 74.140mm	0.335" / 8.500mm	Nitrile	87	710176	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	411376
2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	710393	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	412920
2.846" / 72.300mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	32	710463	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	412920K
2.846" / 72.300mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	40	710464	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Fluoro-Elastomer	41	412920V
2.876" / 73.050mm	2.874" / 73.000mm	0.413" / 10.500mm	Polyacrylate	48	710578	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41	415234
2.756" / 70.000mm	2.764" / 70.200mm	0.295" / 7.500mm	Polyacrylate	35	710924	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41	415254
3.524" / 89.500mm	3.532" / 89.700mm	0.512" / 13.000mm	Fluoro-Elastomer	86	711032	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41	415259
3.157" / 80.200mm	3.165" / 80.400mm	0.354" / 9.000mm	Fluoro-Elastomer	87	711106	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41	416270
2.756" / 70.000mm	2.764" / 70.200mm	0.323" / 8.200mm	PTFE	#	711124	3.500" / 88.900mm	3.505" / 89.027mm	0.438" / 11.125mm	Fluoroelastomer	41	418301
2.874" / 73.000mm	2.883" / 73.230mm	0.315" / 8.000mm	Nitrile	49	712938	2.875" / 73.030mm	2.879" / 73.130mm	0.250" / 6.350mm	Nitrile	4S	43034S
<b>2.222" / 56.440mm Shaft</b>						3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	44	442109
3.543" / 90.000mm	3.548" / 90.120mm	0.760" / 19.300mm	Silicone	12	7568	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450099
<b>2.240" / 56.900mm Shaft</b>						3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450132
3.190" / 81.030mm	3.194" / 81.130mm	0.450" / 11.430mm	Nitrile	69	3095	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450316
<b>2.241" / 57.000mm Shaft</b>						2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450441
2.835" / 72.000mm	2.843" / 72.200mm	0.335" / 8.500mm	Polyacrylate	32	710705	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450737
<b>2.244" / 57.000mm Shaft</b>						3.350" / 85.090mm	3.355" / 85.220mm	0.312" / 7.920mm	Polyacrylate	45	454136N
3.189" / 81.000mm	3.193" / 81.100mm	0.315" / 8.000mm	Nitrile	47	1928	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455093
3.346" / 85.000mm	3.354" / 85.200mm	0.512" / 13.000mm	Nitrile	32	57X85X13	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	455136
3.110" / 79.000mm	3.121" / 79.280mm	0.354" / 9.000mm	Nitrile	75	710072	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47	470737
4.843" / 123.000mm	4.854" / 123.300mm	0.433" / 11.000mm	Nitrile	40	710104	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Polyacrylate	47	470737N
3.150" / 80.000mm	3.154" / 80.100mm	0.315" / 8.000mm	Nitrile	48	710225	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	471138
2.874" / 73.000mm	2.882" / 73.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710718	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471272
3.307" / 84.000mm	3.319" / 84.300mm	0.437" / 11.100mm	Fluoro-Elastomer	87	710998	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471272K
<b>2.250" / 57.150mm Shaft</b>						3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Polyacrylate	47	471272N
3.249" / 82.520mm	3.250" / 82.550mm	0.285" / 7.240mm	Nitrile	200E	200763						
2.625" / 66.680mm	2.636" / 66.950mm	0.187" / 4.750mm	Nitrile	34	341022						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.250" / 57.150mm Shaft (Cont.)</b>						<b>2.283" / 58.000mm Shaft (Cont.)</b>					
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471272V	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Nitrile	40	710144
2.996" / 76.100mm	3.001" / 76.230mm	0.437" / 11.100mm	Nitrile	47	471341	2.992" / 76.000mm	2.996" / 76.100mm	0.256" / 6.500mm	Nitrile	66	710183
2.996" / 76.100mm	3.001" / 76.230mm	0.437" / 11.100mm	Polyacrylate	47	471341N	2.992" / 76.000mm	3.001" / 76.230mm	0.307" / 7.800mm	Nitrile	32	710230
3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	472636	4.055" / 103.000mm	4.063" / 103.200mm	0.433" / 11.000mm	Polyacrylate	40	710268
3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	47	472920	2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Nitrile	32	710271
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473473	2.874" / 73.000mm	2.878" / 73.100mm	0.335" / 8.500mm	Nitrile	74	710439
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	475234N	2.756" / 70.000mm	2.760" / 70.100mm	0.276" / 7.000mm	Polyacrylate	48	710575
2.875" / 73.025mm	2.879" / 73.127mm	0.313" / 7.950mm	Nitrile	47	477710	3.071" / 78.000mm	3.091" / 78.500mm	0.394" / 10.000mm	Fluoro-Elastomer	40	710667
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Leather	5L	55337	3.201" / 81.300mm	3.209" / 81.500mm	0.492" / 12.500mm	Fluoro-Elastomer	69	710684
2.750" / 69.850mm	2.755" / 69.980mm	0.250" / 6.350mm	Urethane	#	710026	2.921" / 74.200mm	2.929" / 74.400mm	0.315" / 8.000mm	Polyacrylate	32	710740
2.750" / 69.850mm	2.755" / 69.980mm	0.281" / 7.140mm	Urethane	#	710041	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Polyacrylate	32	710910
2.835" / 72.010mm	2.840" / 72.140mm	0.500" / 12.700mm	Nitrile	VRS1	710045	<b>2.294" / 58.270mm Shaft</b>					
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	47	712250	3.228" / 82.000mm	3.236" / 82.200mm	0.352" / 8.950mm	Fluoro-Elastomer	32	710623
3.252" / 82.600mm	3.260" / 82.800mm	0.551" / 14.000mm	Polyacrylate	55	712512	<b>2.296" / 58.320mm Shaft</b>					
2.675" / 67.950mm	2.733" / 69.420mm	0.539" / 13.690mm	Nitrile	VRS1	722109	3.148" / 79.960mm	3.153" / 80.090mm	0.359" / 9.120mm	Nitrile	204	204035
4.064" / 103.230mm	4.069" / 103.350mm	1.092" / 27.740mm	Polyacrylate	90	722250	3.148" / 79.960mm	3.153" / 80.090mm	0.359" / 9.120mm	Felt	205	205035
3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Polyacrylate	41	7937N	<b>2.300" / 58.420mm Shaft</b>					
<b>2.254" / 57.250mm Shaft</b>						3.322" / 84.379mm	3.330" / 84.579mm	0.425" / 10.795mm	Fluoro-Elastomer	79	710902
2.756" / 70.000mm	2.763" / 70.180mm	0.340" / 8.640mm	Fluoro-Elastomer	48	481191V	<b>2.307" / 58.600mm Shaft</b>					
<b>2.255" / 57.280mm Shaft</b>						3.161" / 80.300mm	3.165" / 80.400mm	0.394" / 10.000mm	Polyacrylate	40	710756
3.312" / 84.120mm	3.317" / 84.250mm	0.380" / 9.650mm	Nitrile	4S	44052	3.179" / 80.750mm	3.187" / 80.950mm	0.394" / 10.000mm	Fluoro-Elastomer	75	711108
<b>2.272" / 57.710mm Shaft</b>						<b>2.312" / 58.720mm Shaft</b>					
2.654" / 67.410mm	2.661" / 67.590mm	0.250" / 6.350mm	PTFE	W	39821	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	410694
<b>2.283" / 58.000mm Shaft</b>						3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Fluoro-Elastomer	41	411160V
2.953" / 75.000mm	2.964" / 75.280mm	0.354" / 9.000mm	Nitrile	32	225875	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	41	411394
<b>2.283" / 57.990mm Shaft</b>						3.000" / 76.200mm	3.004" / 76.300mm	0.375" / 9.530mm	Nitrile	287	4131
3.155" / 80.140mm	3.159" / 80.240mm	0.375" / 9.530mm	Nitrile	49	493291	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416444
<b>2.283" / 58.000mm Shaft</b>						3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	44	442874
2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	32	58X72X8	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450133
2.953" / 75.000mm	2.963" / 75.260mm	0.276" / 7.000mm	Nitrile	32	58X75X7	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450317
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	58X80X8	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455321
3.346" / 85.000mm	3.357" / 85.280mm	0.394" / 10.000mm	Nitrile	35	58X85X10	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472150
3.346" / 85.000mm	3.356" / 85.250mm	0.512" / 13.000mm	Nitrile	32	58X85X13	3.313" / 84.150mm	3.318" / 84.280mm	0.375" / 9.530mm	Leather	4L	5924
3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35	58X90X10	<b>2.313" / 58.750mm Shaft</b>					
2.953" / 75.000mm	2.965" / 75.310mm	0.276" / 7.000mm	Nitrile	35	710136	3.061" / 77.749mm	3.066" / 77.876mm	0.313" / 7.950mm	Nitrile	48	487522

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.313" / 58.750mm Shaft (Cont.)</b>						<b>2.362" / 60.000mm Shaft (Cont.)</b>					
2.997" / 76.124mm	3.001" / 76.225mm	0.375" / 9.525mm	Nitrile	48	487523	3.228" / 82.000mm	3.236" / 82.200mm	0.472" / 12.000mm	Silicone	32	712006
<b>2.323" / 59.000mm Shaft</b>						<b>2.367" / 60.120mm Shaft</b>					
3.937" / 100.000mm	3.948" / 100.280mm	0.394" / 10.000mm	Polyacrylate	56	710121	3.366" / 85.500mm	3.374" / 85.700mm	0.257" / 6.530mm	Fluoro-Elastomer	75	4539V
2.953" / 75.000mm	2.957" / 75.110mm	0.394" / 10.000mm	Nitrile	47	710168	<b>2.375" / 60.330mm Shaft</b>					
3.083" / 78.300mm	3.093" / 78.550mm	0.315" / 8.000mm	Nitrile	40	710229	3.471" / 88.160mm	3.616" / 91.850mm	0.290" / 7.370mm	Nitrile	200E	200855
3.083" / 78.300mm	3.093" / 78.550mm	0.315" / 8.000mm	Nitrile	32	710231	<b>2.375" / 60.350mm Shaft</b>					
3.150" / 80.000mm	3.157" / 80.200mm	0.472" / 12.000mm	Polyacrylate	40	710680	3.000" / 76.200mm	3.013" / 76.530mm	0.400" / 10.160mm	Fluoro-Elastomer	32	3393
3.327" / 84.500mm	3.335" / 84.700mm	0.472" / 12.000mm	Fluoro-Elastomer	79	710943	<b>2.375" / 60.330mm Shaft</b>					
<b>2.324" / 59.030mm Shaft</b>						3.350" / 85.090mm	3.355" / 85.220mm	0.250" / 6.350mm	Nitrile	4S	40101S
3.541" / 89.940mm	3.546" / 90.070mm	0.591" / 15.010mm	Fluoro-Elastomer	86	710508	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Polyacrylate	41	410101N
<b>2.330" / 59.180mm Shaft</b>						3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	41026S
3.000" / 76.200mm	3.005" / 76.330mm	0.400" / 10.160mm	Polyacrylate	48	3945	3.483" / 88.470mm	3.488" / 88.600mm	0.500" / 12.700mm	Polyacrylate	41	410686N
2.997" / 76.120mm	3.001" / 76.230mm	0.312" / 7.920mm	Nitrile	49	493637	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	410825
<b>2.333" / 59.270mm Shaft</b>						3.481" / 88.420mm	3.486" / 88.540mm	0.437" / 11.100mm	Nitrile	41	410987
3.000" / 76.200mm	3.008" / 76.400mm	0.327" / 8.300mm	PTFE	35	710607	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Polyacrylate	41	412038N
<b>2.362" / 60.000mm Shaft</b>						3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	412119
3.071" / 78.000mm	3.082" / 78.280mm	0.315" / 8.000mm	Polyacrylate	35	226018	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	412861
3.150" / 80.000mm	3.161" / 80.290mm	0.315" / 8.000mm	Nitrile	35	226020	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	41	413246
3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Polyacrylate	32	60X100X10	3.251" / 82.580mm	3.255" / 82.680mm	0.375" / 9.530mm	Polyacrylate	41	413246N
4.331" / 110.000mm	4.339" / 110.200mm	0.315" / 8.000mm	Nitrile	32	60X110X8	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	413247
2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35	60X72X8	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	41	415248N
3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32	60X80X8	3.601" / 91.470mm	3.606" / 91.590mm	0.437" / 11.100mm	Nitrile	41	415857
3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	32	60X82X7	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41	416071
3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	32	60X85X8	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416271
3.543" / 90.000mm	3.553" / 90.250mm	0.315" / 8.000mm	Nitrile	32	60X90X8	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	417480
3.740" / 95.000mm	3.748" / 95.200mm	0.315" / 8.000mm	Nitrile	32	60X95X8	3.350" / 85.090mm	3.355" / 85.220mm	0.250" / 6.350mm	Nitrile	44	442507
2.953" / 75.000mm	2.959" / 75.160mm	0.228" / 5.800mm	Nitrile	47	710093	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450101
3.228" / 82.000mm	3.236" / 82.200mm	0.394" / 10.000mm	Polyacrylate	32	710390	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450103
2.874" / 73.000mm	2.881" / 73.200mm	0.433" / 11.000mm	Polyacrylate	32	710468	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450350
3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	35	710637	3.483" / 88.470mm	3.488" / 88.600mm	0.500" / 12.700mm	Nitrile	45	450686
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32	710794	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455860
3.543" / 90.000mm	3.557" / 90.350mm	0.315" / 8.000mm	Polyacrylate	32	710945	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	470565
4.496" / 114.200mm	4.504" / 114.400mm	0.433" / 11.000mm	Fluoro-Elastomer	74	710960	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Polyacrylate	47	470574N
2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Polyacrylate	32	711026	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	47	470764
3.091" / 78.500mm	3.098" / 78.700mm	0.315" / 8.000mm	Polyacrylate	32	711100						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.375" / 60.330mm Shaft (Cont.)</b>						<b>2.433" / 61.800mm Shaft</b>					
3.481" / 88.420mm	3.486" / 88.540mm	0.437" / 11.100mm	Nitrile	47	470987	3.061" / 77.750mm	3.066" / 77.880mm	0.453" / 11.500mm	Nitrile	32	710755
<b>2.437" / 61.900mm Shaft</b>						<b>2.438" / 61.925mm Shaft</b>					
3.350" / 85.090mm	3.355" / 85.220mm	0.438" / 11.130mm	Nitrile	47	472856	3.624" / 92.050mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	49	3210
3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473474	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	411245
3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	473475	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	411500
3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	473573	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	41	412040
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	47	475095N	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	413478
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	475380N	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417073
3.252" / 82.600mm	3.256" / 82.700mm	0.500" / 12.700mm	Silicone	48	480574H	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450104
3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Silicone	48	480988H	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455096
3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Polyacrylate	48	483246N	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	471887
3.265" / 82.930mm	3.270" / 83.060mm	0.495" / 12.570mm	Nitrile	49	5119	<b>2.441" / 62.000mm Shaft</b>					
4.500" / 114.300mm	4.504" / 114.400mm	1.060" / 26.920mm	Polyacrylate	74	710006	3.346" / 85.000mm	3.352" / 85.130mm	0.315" / 8.000mm	Nitrile	41	226285
3.875" / 98.430mm	3.881" / 98.580mm	1.060" / 26.920mm	Polyacrylate	74	711553	3.937" / 100.000mm	3.949" / 100.300mm	0.276" / 7.000mm	Nitrile	32	62X100X7
4.064" / 103.230mm	4.069" / 103.350mm	1.092" / 27.740mm	Polyacrylate	90	712375	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	62X80X10
4.498" / 114.427mm	4.505" / 114.400mm	0.391" / 9.930mm	Polyacrylate	87	714512	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 9.000mm	Nitrile	32	62X80X9
<b>2.378" / 60.400mm Shaft</b>						3.346" / 85.000mm	3.352" / 85.130mm	0.315" / 8.000mm	Nitrile	41	62X85X8
3.150" / 80.000mm	3.157" / 80.200mm	0.402" / 10.200mm	Fluoro-Elastomer	87	710750	3.071" / 78.000mm	3.075" / 78.100mm	0.276" / 7.000mm	Nitrile	281	710213
<b>2.394" / 60.800mm Shaft</b>						3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Polyacrylate	47	710576
2.697" / 68.500mm	2.705" / 68.700mm	0.433" / 11.000mm	Nitrile	#	710430	3.189" / 81.000mm	3.194" / 81.127mm	0.295" / 7.500mm	Nitrile	#	710635
<b>2.402" / 61.000mm Shaft</b>						2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32	710801
2.992" / 76.000mm	3.003" / 76.280mm	0.276" / 7.000mm	Nitrile	#	226150	2.913" / 74.000mm	2.921" / 74.200mm	0.295" / 7.500mm	Polyacrylate	32	710876
3.465" / 88.000mm	3.465" / 88.000mm	0.276" / 7.000mm	Nitrile	47	710170	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	710906
<b>2.402" / 61.010mm Shaft</b>						2.913" / 74.000mm	2.921" / 74.200mm	0.335" / 8.500mm	Polyacrylate	32	710955
3.071" / 78.000mm	3.079" / 78.200mm	0.531" / 13.490mm	Nitrile	35	710528	2.913" / 74.000mm	2.921" / 74.200mm	0.331" / 8.400mm	Polyacrylate	#	711020
<b>2.402" / 61.000mm Shaft</b>						3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	711028
3.071" / 78.000mm	3.079" / 78.200mm	0.276" / 7.000mm	Polyacrylate	47	710572	<b>2.460" / 62.500mm Shaft</b>					
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	PTFE	32	710850	3.543" / 90.000mm	3.551" / 90.200mm	0.472" / 12.000mm	PTFE	79	710948
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32	711104	<b>2.474" / 62.840mm Shaft</b>					
<b>2.420" / 61.470mm Shaft</b>						3.543" / 90.000mm	3.548" / 90.120mm	0.285" / 7.240mm	Nitrile	200	6575S
3.000" / 76.200mm	3.005" / 76.330mm	0.270" / 6.858mm	Nitrile	281	4160	<b>2.480" / 63.000mm Shaft</b>					
<b>2.421" / 61.500mm Shaft</b>						3.543" / 90.000mm	3.554" / 90.100mm	0.276" / 7.000mm	Nitrile	47	1935
2.998" / 76.150mm	3.006" / 76.350mm	0.276" / 7.000mm	Polyacrylate	90	710625	3.346" / 85.000mm	3.357" / 85.270mm	0.276" / 7.000mm	Nitrile	32	63X85X7
<b>2.425" / 61.600mm Shaft</b>											
3.425" / 87.000mm	3.435" / 87.250mm	0.276" / 7.000mm	Nitrile	74	710584						
<b>2.432" / 61.770mm Shaft</b>											
3.070" / 77.980mm	3.075" / 78.110mm	0.227" / 5.770mm	Polyacrylate	47	4019N						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.480" / 63.000mm Shaft (Cont.)</b>						<b>2.500" / 63.500mm Shaft (Cont.)</b>					
3.543" / 90.000mm	3.554" / 90.270mm	0.276" / 7.000mm	Nitrile	32	63X90X7	3.251" / 82.580mm	3.256" / 82.700mm	0.312" / 7.920mm	Nitrile	44	442380
<b>2.480" / 62.990mm Shaft</b>						<b>2.500" / 63.500mm Shaft (Cont.)</b>					
3.310" / 84.070mm	3.316" / 84.230mm	0.500" / 12.700mm	Felt	35	6785	3.500" / 88.900mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	44	444042
<b>2.480" / 63.000mm Shaft</b>						<b>2.500" / 63.500mm Shaft (Cont.)</b>					
3.563" / 90.500mm	3.574" / 90.780mm	0.510" / 12.960mm	Fluoro-Elastomer	87	710483	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450519
3.228" / 82.000mm	3.236" / 82.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	710980	4.035" / 102.490mm	4.040" / 102.620mm	0.419" / 10.643mm	Fluoro-Elastomer	72	4525V
<b>2.496" / 63.400mm Shaft</b>						<b>2.500" / 63.500mm Shaft (Cont.)</b>					
3.672" / 93.270mm	3.772" / 95.810mm	0.315" / 8.000mm	Nitrile	200E	200851	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455001
3.245" / 82.420mm	3.248" / 82.500mm	0.485" / 12.320mm	Nitrile	#	5109	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455079
<b>2.500" / 63.500mm Shaft</b>						<b>2.500" / 63.500mm Shaft (Cont.)</b>					
4.035" / 102.490mm	4.042" / 102.670mm	0.492" / 12.500mm	Fluoro-Elastomer	74	100727	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455147
4.938" / 125.430mm	4.943" / 125.550mm	0.500" / 12.700mm	Polyacrylate	47	3136N	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455655
4.250" / 107.950mm	4.260" / 108.200mm	0.500" / 12.700mm	Nitrile	35	355732	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	47	470605
3.499" / 88.870mm	3.505" / 89.030mm	0.500" / 12.700mm	Fluoro-Elastomer	48	3894V	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	471271
3.226" / 81.940mm	3.231" / 82.070mm	0.190" / 4.830mm	Nitrile	284	3942	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	471271K
3.130" / 79.500mm	3.135" / 79.630mm	0.315" / 8.000mm	PTFE	FW-H	39803	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471271V
3.148" / 79.960mm	3.154" / 80.110mm	0.250" / 6.350mm	Nitrile	4S	40337S	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	472029
3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Leather	4L	40555	3.428" / 87.070mm	3.433" / 87.200mm	0.375" / 9.530mm	Nitrile	47	473274
3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	40555S	3.428" / 87.070mm	3.433" / 87.200mm	0.375" / 9.530mm	Polyacrylate	47	473274N
3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	41	410496	3.150" / 80.010mm	3.155" / 80.140mm	0.315" / 8.000mm	Polyacrylate	47	473476
3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	41	410519	4.003" / 101.676mm	4.008" / 101.803mm	0.375" / 9.525mm	Fluoroelastomer	47	477711
3.247" / 82.470mm	3.252" / 82.600mm	0.500" / 12.700mm	Nitrile	41	410752	3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	47	477723
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41	415001	3.000" / 76.200mm	3.005" / 76.330mm	0.313" / 7.950mm	Urethane	#	710027
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	41	415001N	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Urethane	#	710034
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41	415082	4.035" / 102.500mm	4.043" / 102.700mm	0.453" / 11.500mm	Fluoro-Elastomer	87	710577
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	41	415082N	3.130" / 79.500mm	3.138" / 79.700mm	0.315" / 8.000mm	PTFE	#	711131
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	41	415147	3.500" / 88.900mm	3.504" / 89.000mm	0.450" / 11.430mm	Polyacrylate	47	714670
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	41	415147N	4.500" / 114.300mm	6.125" / 155.580mm	0.400" / 10.160mm	Nitrile	51	7512SSO
3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	415449	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Silicone	48	7581H
3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415449V	<b>2.503" / 63.580mm Shaft</b>					
3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	416273	3.428" / 87.070mm	3.439" / 87.350mm	0.709" / 18.010mm	Fluoro-Elastomer	#	4561V
3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Fluoro-Elastomer	47	416273V	3.628" / 92.150mm	3.633" / 92.280mm	0.500" / 12.700mm	Fluoro-Elastomer	86	4624V
3.303" / 83.900mm	3.307" / 84.000mm	0.465" / 11.810mm	Nitrile	74	4250	<b>2.507" / 63.680mm Shaft</b>					
3.125" / 79.380mm	3.130" / 79.500mm	0.250" / 6.350mm	Nitrile	4S	43290S	3.265" / 82.930mm	3.273" / 83.130mm	0.354" / 9.000mm	Fluoro-Elastomer	32	710852
<b>2.520" / 64.000mm Shaft</b>						<b>2.512" / 63.800mm Shaft</b>					
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	64X80X8	3.506" / 89.050mm	3.510" / 89.150mm	0.290" / 7.370mm	Nitrile	49	8975S

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.520" / 64.000mm Shaft (Cont.)</b>						<b>2.562" / 65.070mm Shaft (Cont.)</b>					
3.031" / 77.000mm	3.039" / 77.200mm	0.315" / 8.000mm	Nitrile	56	710130	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	41	415098N
2.992" / 76.000mm	3.000" / 76.200mm	0.276" / 7.000mm	Nitrile	62	710256	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	415302
5.217" / 132.500mm	5.224" / 132.700mm	0.512" / 13.000mm	Polyacrylate	32	710277	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	415988
3.110" / 79.000mm	3.118" / 79.200mm	0.315" / 8.000mm	Polyacrylate	32	710708	3.750" / 95.250mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417481
2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32	710774	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455280
3.602" / 91.500mm	3.610" / 91.700mm	0.404" / 10.260mm	PTFE	#	711004	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455311
<b>2.539" / 64.500mm Shaft</b>						<b>2.598" / 66.000mm Shaft</b>					
3.504" / 89.000mm	3.512" / 89.200mm	0.374" / 9.500mm	Fluoro-Elastomer	40	710878	3.090" / 78.490mm	3.095" / 78.610mm	0.375" / 9.530mm	Nitrile	280	5123
<b>2.556" / 64.920mm Shaft</b>						<b>2.598" / 65.990mm Shaft</b>					
3.937" / 100.000mm	3.942" / 100.130mm	0.375" / 9.530mm	Nitrile	47	476514	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	41	411330
3.143" / 79.820mm	3.146" / 79.920mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710672	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Polyacrylate	41	411330N
<b>2.559" / 65.000mm Shaft</b>						<b>2.598" / 66.000mm Shaft</b>					
3.189" / 81.000mm	3.200" / 81.280mm	0.276" / 7.000mm	Polyacrylate	32	226510	4.000" / 101.600mm	4.005" / 101.730mm	0.500" / 12.700mm	Nitrile	47	477069
3.346" / 85.000mm	3.357" / 85.270mm	0.394" / 10.000mm	Nitrile	35	226520	<b>2.598" / 66.000mm Shaft</b>					
3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35	226530	5.276" / 134.000mm	5.283" / 134.200mm	0.610" / 15.500mm	Nitrile	32	710055
3.937" / 100.000mm	3.948" / 100.280mm	0.394" / 10.000mm	Nitrile	35	65X100X10	3.346" / 85.000mm	3.351" / 85.120mm	0.315" / 8.000mm	Nitrile	41	710092
3.937" / 100.000mm	3.949" / 100.300mm	0.276" / 7.000mm	Nitrile	32	65X100X7	3.999" / 101.570mm	4.004" / 101.700mm	0.730" / 18.542mm	Nitrile	47	712598
3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	65X80X8	<b>2.625" / 66.680mm Shaft</b>					
3.346" / 85.000mm	3.357" / 85.270mm	0.394" / 10.000mm	Nitrile	32	65X85X10	3.620" / 91.950mm	3.626" / 92.100mm	0.394" / 10.000mm	Nitrile	87	127592
3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	35	65X85X8	3.813" / 96.850mm	3.818" / 96.980mm	0.415" / 10.540mm	Nitrile	200	200392
3.465" / 88.000mm	3.472" / 88.200mm	0.394" / 10.000mm	Nitrile	32	65X88X10	3.695" / 93.850mm	3.700" / 93.980mm	0.500" / 12.700mm	Silicone	64	3813
3.465" / 88.000mm	3.472" / 88.200mm	0.315" / 8.000mm	Nitrile	35	65X88X8	3.374" / 85.700mm	3.379" / 85.830mm	0.468" / 11.890mm	Nitrile	41	410708
3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	32	65X90X10	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Polyacrylate	41	411143N
3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	65X90X7	3.696" / 93.880mm	3.700" / 93.980mm	0.500" / 12.700mm	PTFE	FW-H	41163T
3.740" / 95.000mm	3.748" / 95.200mm	0.276" / 7.000mm	Nitrile	32	65X95X7	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	412871
3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	66	710094	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41	413248
3.346" / 85.000mm	3.350" / 85.100mm	0.394" / 10.000mm	Nitrile	47	710373	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41	415003
3.465" / 88.000mm	3.472" / 88.200mm	0.394" / 10.000mm	PTFE	32	710610	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41	415007
3.110" / 79.000mm	3.118" / 79.200mm	0.787" / 20.000mm	Fluoro-Elastomer	32	710785	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	415458
3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32	710962	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415458V
3.307" / 84.000mm	3.319" / 84.300mm	0.354" / 9.000mm	Silicone	32	712005	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	415483
<b>2.560" / 65.000mm Shaft</b>						<b>2.562" / 65.070mm Shaft</b>					
4.213" / 107.000mm	4.220" / 107.200mm	0.394" / 10.000mm	Fluoro-Elastomer	40	711047	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417079
<b>2.562" / 65.070mm Shaft</b>						<b>2.562" / 65.070mm Shaft</b>					
3.481" / 88.420mm	3.486" / 88.540mm	0.375" / 9.530mm	Nitrile	41	413479						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.625" / 66.680mm Shaft (Cont.)</b>						<b>2.677" / 68.000mm Shaft (Cont.)</b>					
4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417082	3.740" / 95.000mm	3.751" / 95.280mm	0.276" / 7.000mm	Nitrile	32	68X95X7
3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417343	3.307" / 84.000mm	3.316" / 84.230mm	0.335" / 8.500mm	Polyacrylate	32	710234
4.437" / 112.700mm	4.441" / 112.800mm	0.437" / 11.100mm	Nitrile	41	418027	4.882" / 124.000mm	4.886" / 124.100mm	0.453" / 11.500mm	Polyacrylate	40	710275
<b>2.625" / 66.675mm Shaft</b>						<b>2.687" / 68.250mm Shaft</b>					
3.751" / 95.275mm	3.756" / 95.402mm	0.438" / 11.125mm	Fluoroelastomer	41	418309	3.386" / 86.000mm	3.394" / 86.200mm	0.315" / 8.000mm	Polyacrylate	32	710334
<b>2.625" / 66.680mm Shaft</b>						<b>2.700" / 68.580mm Shaft</b>					
3.350" / 85.090mm	3.356" / 85.240mm	0.468" / 11.890mm	Nitrile	45	450329	3.465" / 88.000mm	3.472" / 88.200mm	0.315" / 8.000mm	Nitrile	35	710446
3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450412	4.287" / 108.900mm	4.295" / 109.100mm	0.551" / 14.000mm	Fluoro-Elastomer	87	711076
3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	45	451143	3.504" / 89.000mm	3.512" / 89.200mm	0.433" / 11.000mm	Fluoro-Elastomer	32	712511
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45	455003	<b>2.687" / 68.250mm Shaft</b>					
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455368	3.876" / 98.450mm	3.876" / 98.450mm	0.250" / 6.350mm	Nitrile	36	365008
3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	475003N	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455008
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	47	475368N	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455151
3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	47	475458	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455434
<b>2.625" / 66.675mm Shaft</b>						<b>2.717" / 69.000mm Shaft</b>					
3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	48	487520	3.499" / 88.875mm	3.504" / 89.002mm	.310" / 7.874mm	Nitrile	272	710091
<b>2.625" / 66.680mm Shaft</b>						<b>2.748" / 69.800mm Shaft</b>					
4.064" / 103.230mm	4.069" / 103.350mm	0.960" / 24.380mm	Polyacrylate	90	712625	3.386" / 86.000mm	3.394" / 86.200mm	0.276" / 7.000mm	Polyacrylate	62	710570
4.564" / 115.930mm	4.568" / 116.030mm	0.718" / 18.240mm	Polyacrylate	74	9773	3.543" / 90.000mm	3.511" / 90.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710742
<b>2.630" / 66.800mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.240" / 82.300mm	3.245" / 82.420mm	0.215" / 5.460mm	Nitrile	#	5111S	3.876" / 98.450mm	3.886" / 98.700mm	0.552" / 14.020mm	Fluoro-Elastomer	#	4564V
<b>2.638" / 67.000mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.945" / 100.200mm	3.965" / 100.700mm	0.543" / 13.800mm	Nitrile	40	710519	3.543" / 90.000mm	3.555" / 90.300mm	0.591" / 15.010mm	Polyacrylate	#	4874N
<b>2.648" / 67.260mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.812" / 96.820mm	3.817" / 96.950mm	0.500" / 12.700mm	Nitrile	48	486857	5.500" / 139.700mm	5.512" / 140.000mm	0.850" / 21.590mm	Polyacrylate	#	4876N
<b>2.667" / 67.740mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Leather	4L	7780N	3.125" / 79.380mm	3.130" / 79.500mm	0.187" / 4.750mm	Nitrile	31	310841
<b>2.677" / 68.000mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	68X100X10	5.501" / 139.730mm	5.506" / 139.850mm	1.266" / 32.160mm	Polyacrylate	90	3591
3.937" / 100.000mm	3.948" / 100.280mm	0.512" / 13.000mm	Nitrile	32	68X100X13	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41	415004
3.937" / 100.000mm	3.948" / 100.280mm	0.276" / 7.000mm	Nitrile	32	68X100X7	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Fluoro-Elastomer	41	415004V
3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	32	68X82X7	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41	415009
3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	35	68X85X8	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	41	415009N
3.543" / 90.000mm	3.556" / 90.320mm	0.394" / 10.000mm	Nitrile	32	68X90X10	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41	415272N
3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	68X90X7	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	415960
3.740" / 95.000mm	3.748" / 95.200mm	0.394" / 10.000mm	Nitrile	35	68X95X10	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	415984
<b>2.677" / 68.000mm Shaft</b>						<b>2.750" / 69.850mm Shaft</b>					
3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	68X100X10	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41	416282
3.937" / 100.000mm	3.948" / 100.280mm	0.512" / 13.000mm	Nitrile	32	68X100X13	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416664
3.937" / 100.000mm	3.948" / 100.280mm	0.276" / 7.000mm	Nitrile	32	68X100X7	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Fluoro-Elastomer	41	416664V
3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	32	68X82X7	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	416706
3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	35	68X85X8						
3.543" / 90.000mm	3.556" / 90.320mm	0.394" / 10.000mm	Nitrile	32	68X90X10						
3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	68X90X7						
3.740" / 95.000mm	3.748" / 95.200mm	0.394" / 10.000mm	Nitrile	35	68X95X10						

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.750" / 69.850mm Shaft (Cont.)</b>						<b>2.756" / 70.000mm Shaft (Cont.)</b>					
3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417316	4.000" / 101.600mm	4.009" / 101.830mm	0.469" / 11.910mm	PTFE	FW-H	40392
3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417484	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	32	70X100X10
3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Polyacrylate	41	417484N	3.937" / 100.000mm	3.948" / 100.280mm	0.512" / 13.000mm	Nitrile	32	70X100X13
5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Polyacrylate	41	417986N	4.134" / 105.000mm	4.142" / 105.200mm	0.512" / 13.000mm	Nitrile	35	70X105X13
4.500" / 114.300mm	4.505" / 114.430mm	0.468" / 11.890mm	Nitrile	45	454088	4.134" / 105.000mm	4.146" / 105.300mm	0.276" / 7.000mm	Nitrile	32	70X105X7
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455004	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	35	70X110X10
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455009	3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	35	70X85X8
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455272	3.465" / 88.000mm	3.474" / 88.250mm	0.315" / 8.000mm	Nitrile	32	70X88X8
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455322	3.543" / 90.000mm	3.556" / 90.320mm	0.394" / 10.000mm	Nitrile	32	70X90X10
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	45	455322N	3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	70X90X7
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Fluoro-Elastomer	45	455322V	3.622" / 92.000mm	3.630" / 92.200mm	0.472" / 12.000mm	Nitrile	32	70X92X12
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455364	3.543" / 90.000mm	3.709" / 94.200mm	0.409" / 10.500mm	Nitrile	48	710456
3.501" / 88.930mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	4S	45827S	4.409" / 112.000mm	4.413" / 112.100mm	0.394" / 10.000mm	Nitrile	40	710763
3.751" / 95.280mm	3.756" / 95.400mm	0.250" / 6.350mm	Nitrile	4S	46997S	<b>2.812" / 71.420mm Shaft</b>					
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Silicone	47	475004H	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41	411348
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	47	475009N	3.876" / 98.450mm	3.881" / 98.580mm	0.437" / 11.100mm	Nitrile	41	417485
3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	47	475322N	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455005
4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	47	476281	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	47	475384
4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Polyacrylate	47	476283N	<b>2.815" / 71.000mm Shaft</b>					
3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Polyacrylate	47	476574N	2.795" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Polyacrylate	32	710554
3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	48	480491	<b>2.832" / 71.930mm Shaft</b>					
3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	48	485364N	3.625" / 92.080mm	3.635" / 92.330mm	0.375" / 9.530mm	Fluoro-Elastomer	32	710075
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Leather	5L	55238	<b>2.835" / 72.000mm Shaft</b>					
3.935" / 99.950mm	3.940" / 100.080mm	0.500" / 12.700mm	Nitrile	5L	55469	3.465" / 88.000mm	3.474" / 88.250mm	0.315" / 8.000mm	Nitrile	48	1986
6.200" / 157.480mm	6.220" / 157.990mm	0.700" / 17.780mm	Nitrile	52	6643S	3.780" / 96.000mm	3.791" / 96.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32	227235
3.250" / 82.550mm	3.255" / 82.700mm	0.312" / 7.920mm	Urethane	#	710038	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	72X100X10
3.780" / 96.000mm	3.784" / 96.110mm	0.762" / 19.350mm	Nitrile	06	710395	3.543" / 90.000mm	3.551" / 90.200mm	0.394" / 10.000mm	Nitrile	35	72X90X10
<b>2.751" / 69.880mm Shaft</b>						<b>2.843" / 72.210mm Shaft</b>					
3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Fluoro-Elastomer	41	417316V	3.939" / 100.050mm	3.944" / 100.180mm	0.495" / 12.570mm	Nitrile	41	2081
<b>2.756" / 70.000mm Shaft</b>						<b>2.847" / 72.300mm Shaft</b>					
3.425" / 87.000mm	3.441" / 87.400mm	0.335" / 8.500mm	Fluoro-Elastomer	32	1021V	4.003" / 101.680mm	4.008" / 101.800mm	0.500" / 12.700mm	Fluoro-Elastomer	45	456837V
3.465" / 88.000mm	3.474" / 88.250mm	0.472" / 12.000mm	Silicone	32	227020	3.937" / 100.000mm	3.942" / 100.120mm	0.614" / 15.600mm	Polyacrylate	#	710568
3.543" / 90.000mm	3.554" / 90.320mm	0.394" / 10.000mm	Polyacrylate	35	227040	<b>2.854" / 72.500mm Shaft</b>					
3.622" / 92.000mm	3.631" / 92.230mm	0.472" / 12.000mm	Silicone	47	227045	4.252" / 108.000mm	4.262" / 108.250mm	0.740" / 18.800mm	Polyacrylate	47	710563
						3.878" / 98.500mm	3.888" / 98.750mm	0.433" / 11.000mm	Fluoro-Elastomer	74	710564

# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.856" / 72.540mm Shaft</b>						<b>2.882" / 73.200mm Shaft</b>					
3.525" / 89.540mm	3.537" / 89.840mm	0.252" / 6.400mm	Nitrile	62	710573	3.431" / 87.150mm	3.436" / 87.270mm	0.291" / 7.390mm	Nitrile	47	470547
<b>2.870" / 72.900mm Shaft</b>						<b>2.913" / 74.000mm Shaft</b>					
3.876" / 98.450mm	3.881" / 98.580mm	0.354" / 9.000mm	Fluoro-Elastomer	56	710586	4.561" / 115.850mm	4.567" / 116.000mm	1.004" / 25.500mm	Polyacrylate	#	127591
<b>2.874" / 73.000mm Shaft</b>						<b>2.937" / 74.600mm Shaft</b>					
3.543" / 90.000mm	3.548" / 90.120mm	0.315" / 8.000mm	Nitrile	47	474230	3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Polyacrylate	41	35949N
<b>2.874" / 72.990mm Shaft</b>						<b>2.938" / 74.630mm Shaft</b>					
4.448" / 113.000mm	4.470" / 113.550mm	0.827" / 21.000mm	Polyacrylate	#	710493	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41	415012N
4.448" / 113.000mm	4.470" / 113.550mm	1.163" / 29.550mm	Polyacrylate	#	710494	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Fluoro-Elastomer	41	415012V
<b>2.875" / 73.030mm Shaft</b>						<b>2.938" / 74.625mm Shaft</b>					
4.175" / 106.050mm	4.180" / 106.170mm	0.812" / 20.620mm	Nitrile	89	2674	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	45	455011
3.623" / 92.020mm	3.628" / 92.150mm	0.500" / 12.700mm	Silicone	65	3783	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455144
3.623" / 92.020mm	3.628" / 92.150mm	0.500" / 12.700mm	PTFE	FW-H	39802	4.335" / 110.110mm	4.340" / 110.240mm	0.437" / 11.100mm	Nitrile	45	455310
3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	415303	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455355
3.750" / 95.250mm	3.755" / 95.380mm	0.500" / 12.700mm	PTFE	PDW	41536	4.376" / 111.150mm	4.381" / 111.280mm	0.625" / 15.880mm	Nitrile	45	455556
3.750" / 95.250mm	3.755" / 95.380mm	0.500" / 12.700mm	PTFE	PDW	41537	<b>2.953" / 75.000mm Shaft</b>					
4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41	416285	4.724" / 120.000mm	4.729" / 120.120mm	0.320" / 8.130mm	Nitrile	200	200322
4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	416921	3.740" / 95.000mm	3.751" / 95.280mm	0.394" / 10.000mm	Nitrile	35	227530
4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41	417134	3.937" / 100.000mm	3.945" / 100.200mm	0.472" / 12.000mm	Nitrile	32	227540
3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	417158	3.937" / 100.000mm	3.948" / 100.270mm	0.472" / 13.000mm	Silicone	32	227550
3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417344	3.661" / 93.000mm	3.666" / 93.120mm	0.315" / 8.000mm	PTFE	FW-H	39804
4.003" / 101.680mm	4.008" / 101.800mm	0.250" / 6.350mm	Nitrile	4S	43086S	4.409" / 112.000mm	4.416" / 112.170mm	0.394" / 10.000mm	Nitrile	45	710087
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455006	3.425" / 87.000mm	3.433" / 87.200mm	0.276" / 7.000mm	Nitrile	35	710240
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Polyacrylate	45	455006N	3.937" / 100.000mm	3.941" / 100.100mm	0.512" / 13.000mm	Nitrile	25	710384
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455011	<b>2.938" / 74.630mm Shaft</b>					
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455144	3.937" / 100.000mm	3.947" / 100.250mm	0.552" / 14.020mm	Fluoro-Elastomer	#	4563V
4.335" / 110.110mm	4.340" / 110.240mm	0.437" / 11.100mm	Nitrile	45	455310	<b>2.938" / 74.625mm Shaft</b>					
3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455355	3.623" / 92.024mm	3.628" / 92.151mm	0.375" / 9.525mm	Nitrile	48	487526
4.376" / 111.150mm	4.381" / 111.280mm	0.625" / 15.880mm	Nitrile	45	455556	<b>2.953" / 75.000mm Shaft</b>					
<b>2.875" / 73.025mm Shaft</b>						<b>2.938" / 74.630mm Shaft</b>					
4.331" / 110.007mm	4.336" / 110.134mm	0.438" / 11.125mm	Polyacrylate	47	477726	3.937" / 100.000mm	3.947" / 100.250mm	0.552" / 14.020mm	Fluoro-Elastomer	#	4563V
<b>2.875" / 73.030mm Shaft</b>						<b>2.938" / 74.625mm Shaft</b>					
3.875" / 98.430mm	3.880" / 98.550mm	0.515" / 13.080mm	Nitrile	57	9864S	3.623" / 92.024mm	3.628" / 92.151mm	0.375" / 9.525mm	Nitrile	48	487526
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	4.724" / 120.000mm	4.729" / 120.120mm	0.320" / 8.130mm	Nitrile	200	200322
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.740" / 95.000mm	3.751" / 95.280mm	0.394" / 10.000mm	Nitrile	35	227530
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.937" / 100.000mm	3.945" / 100.200mm	0.472" / 12.000mm	Nitrile	32	227540
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.937" / 100.000mm	3.948" / 100.270mm	0.472" / 13.000mm	Silicone	32	227550
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.661" / 93.000mm	3.666" / 93.120mm	0.315" / 8.000mm	PTFE	FW-H	39804
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	4.409" / 112.000mm	4.416" / 112.170mm	0.394" / 10.000mm	Nitrile	45	710087
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.425" / 87.000mm	3.433" / 87.200mm	0.276" / 7.000mm	Nitrile	35	710240
<b>2.881" / 73.180mm Shaft</b>						<b>2.953" / 75.000mm Shaft</b>					
4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710825	3.937" / 100.000mm	3.941" / 100.100mm	0.512" / 13.000mm	Nitrile	25	710384

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>2.953" / 75.000mm Shaft (Cont.)</b>						<b>3.000" / 76.200mm Shaft (Cont.)</b>					
3.740" / 95.000mm	3.748" / 95.200mm	0.413" / 10.500mm	Fluoro-Elastomer	32	710462	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Nitrile	41	415836
3.858" / 98.000mm	3.866" / 98.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710641	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Polyacrylate	41	415836N
4.213" / 107.000mm	4.220" / 107.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710676	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Fluoro-Elastomer	41	415836V
3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	32	75X100X10	4.331" / 110.010mm	4.336" / 110.130mm	0.500" / 12.700mm	Nitrile	41	415962
3.937" / 100.000mm	3.948" / 100.270mm	0.472" / 12.000mm	Nitrile	32	75X100X12	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	415995
4.134" / 105.000mm	4.144" / 105.270mm	0.512" / 13.000mm	Nitrile	32	75X105X13	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415995V
4.331" / 110.000mm	4.339" / 110.200mm	0.472" / 12.000mm	Nitrile	32	75X110X12	4.751" / 120.680mm	4.756" / 120.800mm	0.625" / 15.880mm	Nitrile	41	416370
4.528" / 115.000mm	4.539" / 115.300mm	0.472" / 12.000mm	Nitrile	35	75X115X12	3.751" / 95.280mm	3.756" / 95.400mm	0.437" / 11.100mm	Nitrile	41	417349
4.724" / 120.000mm	4.732" / 120.200mm	0.394" / 10.000mm	Nitrile	32	75X120X10	3.751" / 95.280mm	3.756" / 95.400mm	0.437" / 11.100mm	Fluoro-Elastomer	41	417349V
3.543" / 90.000mm	3.553" / 90.250mm	0.394" / 10.000mm	Nitrile	32	75X90X10	3.876" / 98.450mm	3.881" / 98.580mm	0.437" / 11.100mm	Nitrile	41	417350
3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	75X90X8	4.125" / 104.780mm	4.130" / 104.900mm	0.437" / 11.100mm	Nitrile	41	417351
3.740" / 95.000mm	3.751" / 95.280mm	0.394" / 10.000mm	Nitrile	32	75X95X10	4.249" / 107.920mm	4.254" / 108.050mm	0.437" / 11.100mm	Nitrile	41	417487
<b>2.961" / 75.200mm Shaft</b>						4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417488
3.996" / 101.500mm	4.000" / 101.600mm	0.433" / 11.000mm	Fluoro-Elastomer	#	710927	4.003" / 101.680mm	4.008" / 101.800mm	0.250" / 6.350mm	Nitrile	4S	45013S
<b>2.988" / 75.900mm Shaft</b>						3.999" / 101.570mm	4.004" / 101.700mm	0.437" / 11.100mm	Nitrile	45	453182
3.740" / 95.000mm	3.748" / 95.200mm	0.374" / 9.500mm	Fluoro-Elastomer	32	3698	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455013
<b>2.992" / 76.000mm Shaft</b>						4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	45	455014
3.661" / 93.000mm	3.672" / 93.270mm	0.394" / 10.000mm	Silicone	32	1019	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455019
3.858" / 98.000mm	3.866" / 98.200mm	0.472" / 12.000mm	Silicone	32	227610	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	45	455086
3.622" / 92.000mm	3.633" / 92.280mm	0.374" / 9.500mm	Fluoro-Elastomer	32	4307V	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455088
3.701" / 94.000mm	3.713" / 94.310mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710465	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Fluoro-Elastomer	45	455088V
4.370" / 111.000mm	4.378" / 111.200mm	0.512" / 13.000mm	PTFE	47	710601	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45	455154
3.685" / 93.600mm	3.693" / 93.800mm	0.343" / 8.700mm	Nitrile	#	710828	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455479
4.252" / 108.000mm	4.264" / 108.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710936	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Fluoro-Elastomer	45	455479V
<b>3.000" / 76.200mm Shaft</b>						3.936" / 99.970mm	3.941" / 100.100mm	0.500" / 12.700mm	Nitrile	45	455509
4.524" / 114.910mm	4.600" / 116.840mm	0.433" / 11.000mm	Nitrile	200E	200133	4.875" / 123.830mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	45	455820
5.500" / 139.700mm	5.506" / 139.850mm	0.531" / 13.490mm	Polyacrylate	74	3143N	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Polyacrylate	45	455995N
5.501" / 139.730mm	5.506" / 139.850mm	1.266" / 32.160mm	Polyacrylate	90	3592	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Polyacrylate	47	476023N
4.938" / 125.430mm	4.943" / 125.550mm	0.303" / 7.696mm	Polyacrylate	76	3905	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	47	477163N
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41	415013	3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	48	487527
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41	415013N	4.626" / 117.500mm	4.631" / 117.630mm	0.500" / 12.700mm	Leather	5L	55548
4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Polyacrylate	41	415086N	5.751" / 146.080mm	5.756" / 146.200mm	0.840" / 21.340mm	Polyacrylate	74	710008
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415088	3.500" / 88.900mm	3.505" / 89.030mm	0.313" / 7.950mm	Urethane	#	710028
3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Polyacrylate	41	415281N						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.000" / 76.200mm Shaft (Cont.)</b>						<b>3.125" / 79.375mm Shaft</b>					
4.003" / 101.680mm	4.008" / 101.800mm	0.312" / 7.920mm	Fluoro-Elastomer	86	710457	4.249" / 107.925mm	4.254" / 108.052mm	0.438" / 11.125mm	Fluoroelastomer	41	418306
5.750" / 146.050mm	5.764" / 146.400mm	0.945" / 24.000mm	Polyacrylate	74	712000	<b>3.125" / 79.380mm Shaft</b>					
<b>3.003" / 76.280mm Shaft</b>						3.751" / 95.280mm	3.756" / 95.400mm	0.250" / 6.350mm	Nitrile	4S	45825S
4.937" / 125.400mm	4.948" / 125.680mm	0.788" / 20.020mm	Fluoro-Elastomer	08	100263	<b>3.125" / 79.375mm Shaft</b>					
3.751" / 95.280mm	3.761" / 95.530mm	0.420" / 10.670mm	Fluoro-Elastomer	08	100495	4.125" / 104.775mm	4.130" / 104.902mm	0.375" / 9.525mm	Fluoroelastomer	47	477729
<b>3.031" / 77.000mm Shaft</b>						<b>3.125" / 79.380mm Shaft</b>					
3.583" / 91.000mm	3.591" / 91.200mm	0.236" / 6.000mm	Polyacrylate	87	710177	4.562" / 115.870mm	4.567" / 116.000mm	1.198" / 30.430mm	Leather	34	5751
<b>3.040" / 77.220mm Shaft</b>						7.000" / 177.800mm	8.250" / 209.550mm	1.003" / 25.480mm	Nitrile	51	6481S
3.937" / 100.000mm	3.946" / 100.230mm	0.250" / 6.350mm	Nitrile	35	355669	8.250" / 209.550mm	8.257" / 209.730mm	0.571" / 14.500mm	Nitrile	52	6649
<b>3.062" / 77.770mm Shaft</b>						4.003" / 101.680mm	4.008" / 101.800mm	0.500" / 12.700mm	Fluoro-Elastomer	48	714470
4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45	455015	4.173" / 106.000mm	4.179" / 106.150mm	0.290" / 7.370mm	Nitrile	49	8976S
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455020	5.985" / 152.020mm	6.000" / 152.400mm	0.955" / 24.260mm	Nitrile	#	9600S
<b>3.071" / 78.000mm Shaft</b>						<b>3.133" / 79.580mm Shaft</b>					
4.331" / 110.000mm	4.339" / 110.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710707	3.547" / 90.090mm	3.551" / 90.200mm	0.366" / 9.300mm	Nitrile	278	710106
4.134" / 105.000mm	4.142" / 105.200mm	0.394" / 10.000mm	Nitrile	32	78X105X10	<b>3.142" / 79.810mm Shaft</b>					
4.528" / 115.000mm	4.535" / 115.200mm	0.394" / 10.000mm	Nitrile	32	78X115X10	3.733" / 94.820mm	3.736" / 94.890mm	0.565" / 14.350mm	Nitrile	278	710103
<b>3.110" / 79.000mm Shaft</b>						<b>3.150" / 80.000mm Shaft</b>					
4.126" / 104.800mm	4.134" / 105.000mm	0.630" / 16.000mm	Fluoro-Elastomer	74	710949	3.780" / 96.000mm	3.791" / 96.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32	228005
<b>3.125" / 79.380mm Shaft</b>						3.858" / 98.000mm	3.874" / 98.400mm	0.394" / 10.000mm	Fluoro-Elastomer	32	228008
3.936" / 99.970mm	3.943" / 100.150mm	0.512" / 13.000mm	Fluoro-Elastomer	45	2260	3.937" / 100.000mm	3.946" / 100.230mm	0.394" / 10.000mm	Silicone	32	228009
4.125" / 104.780mm	4.130" / 104.900mm	0.500" / 12.700mm	Silicone	41	2291	3.937" / 100.000mm	3.951" / 100.350mm	0.512" / 13.000mm	Polyacrylate	32	228010
4.125" / 104.780mm	4.130" / 104.900mm	0.437" / 11.100mm	PTFE	W-H	39809	3.937" / 100.000mm	3.948" / 100.280mm	0.335" / 8.510mm	Silicone	32	228013
4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Polyacrylate	41	415016N	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Silicone	32	228015
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415021	4.134" / 105.000mm	4.144" / 105.270mm	0.551" / 14.000mm	Silicone	32	228020
4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Polyacrylate	41	415156N	4.134" / 105.000mm	4.144" / 105.260mm	0.512" / 13.000mm	Nitrile	32	228025
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415394	4.449" / 113.000mm	4.456" / 113.180mm	0.472" / 12.000mm	Nitrile	90	710080
4.125" / 104.780mm	4.130" / 104.900mm	0.500" / 12.700mm	Nitrile	41	416011	3.976" / 101.000mm	3.988" / 101.300mm	0.354" / 9.000mm	Polyacrylate	74	710434
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	416024	3.858" / 98.000mm	3.866" / 98.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710614
4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41	416288	3.858" / 98.000mm	3.866" / 98.200mm	0.571" / 14.500mm	PTFE	34	710811
4.626" / 117.500mm	4.631" / 117.630mm	0.437" / 11.100mm	Nitrile	41	416297	3.819" / 97.000mm	3.827" / 97.200mm	0.516" / 13.100mm	Fluoro-Elastomer	#	711128
4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	416404	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	80X100X10
4.375" / 111.130mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417171	4.134" / 105.000mm	4.142" / 105.200mm	0.394" / 10.000mm	Nitrile	32	80X105X10
4.500" / 114.300mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41	417172	4.134" / 105.000mm	4.144" / 105.270mm	0.512" / 13.000mm	Nitrile	32	80X105X13
4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41	417621	4.331" / 110.000mm	4.342" / 110.280mm	0.394" / 10.000mm	Nitrile	32	80X110X10
						4.724" / 120.000mm	4.732" / 120.200mm	0.394" / 10.000mm	Nitrile	32	80X120X10

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.150" / 80.000mm Shaft (Cont.)</b>						<b>3.250" / 82.550mm Shaft (Cont.)</b>					
4.724" / 120.000mm	4.735" / 120.280mm	0.512" / 13.000mm	Nitrile	32	80X120X13	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417433
4.921" / 125.000mm	4.932" / 125.270mm	0.276" / 7.000mm	Nitrile	32	80X125X7	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Polyacrylate	41	417987N
<b>3.164" / 80.370mm Shaft</b>						<b>3.253" / 82.630mm Shaft</b>					
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	456799	4.500" / 114.300mm	4.506" / 114.450mm	0.375" / 9.530mm	Nitrile	41	418028
<b>3.180" / 80.770mm Shaft</b>						<b>3.268" / 83.000mm Shaft</b>					
4.180" / 106.170mm	4.185" / 106.300mm	0.750" / 19.050mm	Nitrile	74	3385	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45	455018
<b>3.187" / 80.950mm Shaft</b>						<b>3.307" / 84.000mm Shaft</b>					
4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417490	4.094" / 104.000mm	4.106" / 104.280mm	0.433" / 11.000mm	Fluoro-Elastomer	32	228410
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455022	4.094" / 104.000mm	4.099" / 104.110mm	0.335" / 8.500mm	Fluoro-Elastomer	32	228411
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455336	4.646" / 118.000mm	4.650" / 118.100mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710363
4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	45	456105	4.608" / 117.000mm	4.614" / 117.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710621
4.625" / 117.480mm	4.630" / 117.600mm	0.442" / 11.230mm	Nitrile	47	6358	<b>3.312" / 84.120mm Shaft</b>					
<b>3.189" / 81.000mm Shaft</b>						<b>3.298" / 83.770mm Shaft</b>					
4.921" / 125.000mm	4.929" / 125.200mm	0.433" / 11.000mm	Nitrile	#	710079	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45	455500
3.801" / 96.550mm	3.809" / 96.750mm	0.630" / 16.000mm	Nitrile	281	710477	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	47	475500
<b>3.197" / 81.200mm Shaft</b>						<b>3.307" / 84.000mm Shaft</b>					
3.516" / 89.300mm	3.520" / 89.400mm	0.063" / 1.600mm	Nitrile	32	710293	4.094" / 104.000mm	4.106" / 104.280mm	0.433" / 11.000mm	Fluoro-Elastomer	32	228410
<b>3.228" / 82.000mm Shaft</b>						<b>3.312" / 84.120mm Shaft</b>					
3.918" / 99.500mm	3.928" / 99.770mm	0.500" / 12.700mm	Fluoro-Elastomer	32	320691	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415137
3.789" / 96.240mm	3.800" / 96.520mm	0.394" / 10.000mm	Fluoro-Elastomer	32	40375	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41	415304
3.790" / 96.270mm	3.798" / 96.470mm	0.354" / 9.000mm	PTFE	32	710602	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41	415563
4.134" / 105.000mm	4.144" / 105.250mm	0.512" / 13.000mm	Nitrile	25	82X105X13	4.723" / 119.960mm	4.729" / 120.120mm	0.468" / 11.890mm	Nitrile	41	415577
<b>3.249" / 82.520mm Shaft</b>						<b>3.298" / 83.770mm Shaft</b>					
4.468" / 113.490mm	4.488" / 114.000mm	0.318" / 8.080mm	Nitrile	200E	200870	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45	455500
<b>3.250" / 82.550mm Shaft</b>						<b>3.307" / 84.000mm Shaft</b>					
4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Fluoro-Elastomer	41	411275V	4.094" / 104.000mm	4.106" / 104.280mm	0.433" / 11.000mm	Fluoro-Elastomer	32	228410
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415023	4.094" / 104.000mm	4.099" / 104.110mm	0.335" / 8.500mm	Fluoro-Elastomer	32	228411
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415137	4.646" / 118.000mm	4.650" / 118.100mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710363
4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41	415304	4.608" / 117.000mm	4.614" / 117.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710621
4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41	415563	<b>3.312" / 84.120mm Shaft</b>					
4.723" / 119.960mm	4.729" / 120.120mm	0.468" / 11.890mm	Nitrile	41	415577	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415085
4.249" / 107.920mm	4.254" / 108.050mm	0.375" / 9.530mm	Polyacrylate	41	416470N	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41	416292
4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417181	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	416313
4.500" / 114.300mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41	417352	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417491
4.626" / 117.500mm	4.632" / 117.650mm	0.500" / 12.700mm	Nitrile	41	417353	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455024



# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.465" / 88.000mm Shaft</b>						<b>3.500" / 88.900mm Shaft (Cont.)</b>					
4.252" / 108.000mm	4.266" / 108.360mm	0.433" / 11.000mm	Silicone	35	3772	4.437" / 112.700mm	4.437" / 112.700mm	0.437" / 11.100mm	Leather	8L	5965
4.173" / 106.000mm	4.184" / 106.280mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710188	5.250" / 133.350mm	5.258" / 133.550mm	0.375" / 9.525mm	Nitrile	#	6612S
4.134" / 105.000mm	4.250" / 107.950mm	0.394" / 10.000mm	Nitrile	32	710587	4.841" / 122.960mm	4.848" / 123.140mm	0.875" / 22.230mm	Nitrile	#	6638S
4.094" / 104.000mm	4.110" / 104.400mm	0.335" / 8.500mm	Silicone	32	710860	4.000" / 101.600mm	4.005" / 101.730mm	0.313" / 7.950mm	Urethane	#	710029
4.370" / 111.000mm	4.378" / 111.200mm	0.937" / 23.800mm	Silicone	#	710884	4.125" / 104.780mm	4.130" / 104.900mm	0.313" / 7.950mm	Urethane	#	710030
4.331" / 110.000mm	4.342" / 110.280mm	0.472" / 12.000mm	Nitrile	35	88X110X12	4.682" / 118.923mm	4.688" / 119.075mm	0.451" / 11.455mm	Fluoro-Elastomer	86	710454
<b>3.468" / 88.090mm Shaft</b>						<b>3.504" / 89.000mm Shaft</b>					
4.626" / 117.500mm	4.631" / 117.630mm	0.625" / 15.880mm	Nitrile	47	2055	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41	712750
<b>3.500" / 88.900mm Shaft</b>						<b>3.543" / 90.000mm Shaft</b>					
4.499" / 114.270mm	4.508" / 114.500mm	0.250" / 6.350mm	Nitrile	34	345146	4.291" / 109.000mm	4.299" / 109.200mm	0.354" / 9.000mm	Silicone	32	229004
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415027	4.134" / 105.000mm	4.146" / 105.300mm	0.394" / 10.000mm	Fluoro-Elastomer	47	710189
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Silicone	41	415027H	4.252" / 108.000mm	4.260" / 108.200mm	0.500" / 12.700mm	PTFE	32	710585
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Polyacrylate	41	415027N	4.134" / 105.000mm	4.146" / 105.300mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710871
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415146	<b>3.543" / 90.000mm Shaft</b>					
4.626" / 117.500mm	4.631" / 117.630mm	0.625" / 15.880mm	Nitrile	41	415170	4.331" / 110.000mm	4.343" / 110.310mm	0.472" / 12.000mm	Fluoro-Elastomer	32	229005
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	415437	4.331" / 110.000mm	4.343" / 110.310mm	0.335" / 8.500mm	Silicone	32	229010
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415559	6.215" / 157.860mm	6.220" / 158.000mm	0.562" / 14.270mm	PTFE	#	39865
4.375" / 111.130mm	4.381" / 111.280mm	0.562" / 14.270mm	Polyacrylate	41	415899N	4.094" / 104.000mm	4.098" / 104.100mm	0.433" / 11.000mm	Fluoro-Elastomer	32	710237
4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Nitrile	41	415991	5.512" / 140.000mm	5.520" / 140.200mm	0.394" / 10.000mm	PTFE	40	710449
4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	41	415991N	4.252" / 108.000mm	4.260" / 108.200mm	0.394" / 10.000mm	Polyacrylate	280	710571
4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41	415991V	4.331" / 110.000mm	4.339" / 110.200mm	0.472" / 12.000mm	Nitrile	32	90X110X12
4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	416624	4.528" / 115.000mm	4.535" / 115.200mm	0.472" / 12.000mm	Nitrile	32	90X115X12
4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Polyacrylate	41	416624N	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32	90X120X12
4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	417196	4.921" / 125.000mm	4.933" / 125.300mm	0.512" / 13.000mm	Nitrile	32	90X125X13
4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417198	4.921" / 125.000mm	4.949" / 125.700mm	0.276" / 7.000mm	Nitrile	32	90X125X7
5.126" / 130.200mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	417495	<b>3.545" / 90.050mm Shaft</b>					
5.500" / 139.700mm	5.505" / 139.830mm	0.500" / 12.700mm	Nitrile	41	417496	5.465" / 138.800mm	5.472" / 139.000mm	0.654" / 16.610mm	Nitrile	#	710685
4.125" / 104.780mm	4.130" / 104.900mm	0.250" / 6.350mm	Nitrile	44	446927	<b>3.545" / 90.043mm Shaft</b>					
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455027	5.465" / 138.811mm	5.479" / 139.167mm	0.646" / 16.408mm	Polyacrylate	#	710925
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455146	<b>3.562" / 90.470mm Shaft</b>					
4.751" / 120.680mm	4.756" / 120.800mm	0.625" / 15.880mm	Nitrile	45	455173	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415498
4.125" / 104.780mm	4.130" / 104.900mm	0.250" / 6.350mm	Nitrile	4S	45525S	4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	415711
5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	45	455396	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	417497
4.751" / 120.680mm	4.756" / 120.800mm	0.375" / 9.530mm	Polyacrylate	47	476424N	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417498
						4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Leather	5L	55028

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.562" / 90.470mm Shaft (Cont.)</b>						<b>3.657" / 92.888mm Shaft</b>					
4.755" / 120.780mm	4.761" / 120.930mm	0.550" / 13.970mm	Nitrile	74	9584	/	/	0.810" / 20.574mm	PTFE	#	711030
<b>3.583" / 91.000mm Shaft</b>						<b>3.661" / 93.000mm Shaft</b>					
4.370" / 111.000mm	4.378" / 111.200mm	0.394" / 10.000mm	Fluoro-Elastomer	47	710056	6.063" / 154.000mm	6.067" / 154.100mm	0.315" / 8.000mm	Nitrile	98	710266
4.370" / 111.000mm	4.378" / 111.200mm	0.295" / 7.500mm	Polyacrylate	32	710894	4.488" / 114.000mm	4.501" / 114.330mm	0.512" / 13.000mm	Fluoro-Elastomer	32	710288
<b>3.620" / 91.950mm Shaft</b>						<b>3.687" / 93.650mm Shaft</b>					
4.625" / 117.480mm	4.630" / 117.600mm	0.400" / 10.160mm	PTFE	FW-H	39882	5.256" / 133.500mm	5.264" / 133.700mm	0.610" / 15.500mm	PTFE	32	710812
<b>3.622" / 92.000mm Shaft</b>						<b>3.740" / 95.000mm Shaft</b>					
4.331" / 110.000mm	4.341" / 110.260mm	0.374" / 9.500mm	Fluoro-Elastomer	32	229210	4.488" / 114.000mm	4.501" / 114.330mm	0.453" / 11.500mm	PTFE	32	710813
4.331" / 110.000mm	4.342" / 110.290mm	0.394" / 10.000mm	Silicone	35	355660H	4.488" / 114.000mm	4.500" / 114.300mm	0.457" / 11.600mm	PTFE	#	711127
4.331" / 110.000mm	4.339" / 110.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710803	<b>3.740" / 88.000mm Shaft</b>					
4.500" / 114.300mm	4.508" / 114.500mm	0.846" / 21.500mm	PTFE	32	710814	4.213" / 107.000mm	4.244" / 107.300mm	0.532" / 13.500mm	PTFE	32	710600
4.291" / 109.000mm	4.299" / 109.200mm	0.374" / 9.500mm	Fluoro-Elastomer	40	710896	<b>3.740" / 95.000mm Shaft</b>					
4.291" / 109.000mm	4.303" / 109.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32	711039	4.331" / 110.000mm	4.341" / 110.260mm	0.433" / 11.000mm	Nitrile	32	717005
4.724" / 120.000mm	4.734" / 120.240mm	0.512" / 13.000mm	Nitrile	35	92X120X13	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	32	95X110X10
<b>3.625" / 92.080mm Shaft</b>						<b>3.750" / 95.250mm Shaft</b>					
4.240" / 107.700mm	4.256" / 108.100mm	0.390" / 9.910mm	Fluoro-Elastomer	35	3909	4.501" / 114.330mm	4.506" / 114.450mm	0.362" / 9.190mm	Fluoro-Elastomer	35	2377
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	FW-H	39703	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	Fluoro-Elastomer	45	3893V
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	W-H	39813	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	DW-H	39608
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415389	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	FW-H	39705
4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Polyacrylate	41	415389N	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	W-H	39837
5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415436	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415150
5.375" / 136.530mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	415832	<b>3.740" / 95.000mm Shaft</b>					
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	415937	4.331" / 110.000mm	4.341" / 110.260mm	0.433" / 11.000mm	Nitrile	32	717005
4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	416047	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	32	95X110X10
4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41	416125	4.528" / 115.000mm	4.539" / 115.280mm	0.472" / 12.000mm	Nitrile	35	95X115X12
4.625" / 117.480mm	4.631" / 117.630mm	0.437" / 11.100mm	Nitrile	41	416332	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32	95X120X12
4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417355	4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	35	95X125X12
5.251" / 133.380mm	5.256" / 133.500mm	0.437" / 11.100mm	Nitrile	41	417499	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	95X130X12
5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417500	<b>3.750" / 95.250mm Shaft</b>					
4.376" / 111.150mm	4.381" / 111.280mm	0.375" / 9.530mm	Nitrile	41	417698	4.501" / 114.330mm	4.506" / 114.450mm	0.362" / 9.190mm	Fluoro-Elastomer	35	2377
4.375" / 111.130mm	4.381" / 111.280mm	0.375" / 9.530mm	Polyacrylate	45	456744N	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	Fluoro-Elastomer	45	3893V
4.874" / 123.800mm	4.879" / 123.930mm	0.585" / 14.860mm	Nitrile	48	485497	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	DW-H	39608
4.624" / 117.450mm	4.630" / 117.600mm	0.500" / 12.700mm	Fluoro-Elastomer	48	487397V	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	FW-H	39705
4.839" / 122.910mm	4.844" / 123.040mm	0.500" / 12.700mm	Leather	5L	55353	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	W-H	39837

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.750" / 95.250mm Shaft (Cont.)</b>						<b>3.875" / 98.430mm Shaft</b>					
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	415379	5.125" / 130.180mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	415697
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Fluoro-Elastomer	41	415379V	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	415958
4.751" / 120.680mm	4.756" / 120.800mm	0.484" / 12.290mm	Polyacrylate	41	415963N	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	416043
4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Nitrile	41	415983	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41	416345
4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	41	415983N	4.751" / 120.680mm	4.756" / 120.800mm	0.375" / 9.530mm	Nitrile	41	417210
4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41	415983V	4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417211
4.626" / 117.500mm	4.632" / 117.650mm	0.500" / 12.700mm	Nitrile	41	416041	5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41	417366
5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	416127	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417505
4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41	416339	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455033
4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417205	5.126" / 130.200mm	5.131" / 130.330mm	0.625" / 15.880mm	Nitrile	45	455547
5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417503	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	45	455958
4.999" / 126.970mm	5.004" / 127.100mm	0.250" / 6.350mm	Nitrile	4S	45031S	<b>3.880" / 98.550mm Shaft</b>					
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455031	5.690" / 144.530mm	5.695" / 144.650mm	0.500" / 12.700mm	Nitrile	45	456618
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	45	455379	<b>3.898" / 99.000mm Shaft</b>					
4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	47	475379	4.685" / 119.000mm	4.689" / 119.100mm	0.374" / 9.500mm	Fluoro-Elastomer	32	710526
4.500" / 114.300mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	69	713750	4.528" / 115.000mm	4.539" / 115.300mm	0.394" / 10.000mm	PTFE	32	710855
<b>3.780" / 96.000mm Shaft</b>						<b>3.934" / 99.920mm Shaft</b>					
4.567" / 116.000mm	4.577" / 116.260mm	0.354" / 9.000mm	Fluoro-Elastomer	32	710262	5.906" / 150.000mm	5.911" / 150.140mm	0.500" / 12.700mm	Nitrile	47	476517
4.567" / 116.000mm	4.578" / 116.280mm	0.472" / 12.000mm	PTFE	32	710815	<b>3.937" / 100.000mm Shaft</b>					
<b>3.797" / 96.440mm Shaft</b>						4.724" / 120.000mm	4.736" / 120.300mm	0.394" / 10.000mm	Nitrile	35	100X120X10
4.501" / 114.330mm	4.506" / 114.450mm	0.250" / 6.350mm	Nitrile	4S	8370S	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32	100X120X12
<b>3.812" / 96.820mm Shaft</b>						4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	32	100X125X12
4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417504	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	100X130X12
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455032	4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	35	231003
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455189	4.724" / 120.000mm	4.735" / 120.120mm	0.433" / 11.000mm	Silicone	32	231004
<b>3.819" / 97.000mm Shaft</b>						4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415034
4.606" / 117.000mm	4.618" / 117.300mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710858	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	415263
<b>3.858" / 97.990mm Shaft</b>						5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417506
4.525" / 114.940mm	4.540" / 115.320mm	0.492" / 12.500mm	PTFE	FW-H	100085	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417967
<b>3.858" / 98.000mm Shaft</b>						4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	455034
4.567" / 116.000mm	4.578" / 116.280mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710520	4.876" / 123.850mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	45	455186
4.331" / 110.000mm	4.343" / 110.300mm	0.335" / 8.500mm	Fluoro-Elastomer	35	710669	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455191
4.646" / 118.000mm	4.654" / 118.200mm	0.394" / 10.000mm	Polyacrylate	32	710789	5.371" / 136.420mm	5.377" / 136.580mm	0.906" / 23.010mm	Nitrile	21	6270
4.488" / 114.000mm	4.500" / 114.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710900	5.709" / 145.000mm	5.713" / 145.100mm	0.591" / 15.000mm	Polyacrylate	59	710278
4.724" / 120.000mm	4.732" / 120.200mm	0.512" / 13.000mm	Nitrile	35	98X120X13						

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>3.937" / 100.000mm Shaft (Cont.)</b>						<b>4.000" / 101.600mm Shaft (Cont.)</b>					
4.882" / 124.000mm	4.890" / 124.200mm	0.512" / 13.000mm	Fluoro-Elastomer	32	710290	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Nitrile	45	455035
5.126" / 130.200mm	5.133" / 130.380mm	0.562" / 14.274mm	Fluoro-Elastomer	47	710466	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Polyacrylate	45	455035N
4.724" / 120.000mm	4.737" / 120.320mm	0.374" / 9.500mm	Polyacrylate	32	710471	5.126" / 130.200mm	5.131" / 130.330mm	0.625" / 15.880mm	Nitrile	45	455188
4.488" / 114.000mm	4.500" / 114.300mm	0.472" / 12.000mm	Polyacrylate	47	710518	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455192
4.646" / 118.000mm	4.654" / 118.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710639	5.626" / 142.900mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	45	455513
4.740" / 120.396mm	4.753" / 120.726mm	0.810" / 20.574mm	PTFE	#	710841	5.000" / 127.000mm	5.005" / 127.130mm	0.312" / 7.920mm	Fluoro-Elastomer	45	456967V
4.528" / 115.000mm	4.539" / 115.300mm	0.276" / 7.000mm	PTFE	#	711125	4.999" / 126.970mm	5.004" / 127.100mm	0.375" / 9.530mm	Nitrile	47	475845
4.724" / 120.000mm	4.736" / 120.300mm	0.433" / 11.000mm	PTFE	#	711126	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Silicone	45	710022
4.528" / 115.000mm	4.539" / 115.300mm	0.315" / 8.000mm	Fluoro-Elastomer	#	711130	4.999" / 126.970mm	5.004" / 127.100mm	0.469" / 11.910mm	Fluoro-Elastomer	96	714713
<b>3.938" / 100.025mm Shaft</b>						<b>4.050" / 102.870mm Shaft</b>					
4.999" / 126.975mm	5.004" / 127.102mm	0.438" / 11.125mm	Fluoroelastomer	45	458309	5.501" / 139.730mm	5.506" / 139.850mm	0.671" / 17.040mm	Nitrile	45	6864S
<b>3.976" / 101.000mm Shaft</b>						<b>4.062" / 103.170mm Shaft</b>					
4.488" / 114.000mm	4.492" / 114.100mm	0.394" / 10.000mm	Nitrile	25	710371	5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45	455037
<b>4.000" / 101.600mm Shaft</b>						<b>4.094" / 104.000mm Shaft</b>					
4.998" / 126.950mm	5.006" / 127.150mm	0.500" / 12.700mm	Nitrile	32	327215	5.039" / 128.000mm	5.047" / 128.200mm	0.433" / 11.000mm	PTFE	32	710603
4.562" / 115.870mm	4.568" / 116.030mm	0.375" / 9.530mm	Polyacrylate	33	335924N	5.472" / 139.000mm	5.480" / 139.200mm	0.512" / 13.000mm	Fluoro-Elastomer	32	710892
4.999" / 126.970mm	5.008" / 127.200mm	0.312" / 7.920mm	Nitrile	34	345035	<b>4.125" / 104.780mm Shaft</b>					
4.999" / 126.970mm	5.005" / 127.130mm	0.500" / 12.700mm	PTFE	PDW	37939	4.999" / 126.970mm	5.005" / 127.130mm	1.037" / 26.340mm	PTFE	PDW	37921
5.000" / 127.000mm	5.005" / 127.130mm	0.500" / 12.700mm	PTFE	FW-H	39723	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415043
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415035	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415142
4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Fluoro-Elastomer	41	415035V	5.126" / 130.200mm	5.132" / 130.350mm	0.500" / 12.700mm	Nitrile	41	417511
5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	41	415036	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417512
5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415041	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	45	455056
4.876" / 123.850mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	41	415187	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Nitrile	45	455134
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Polyacrylate	41	415192N	6.000" / 152.400mm	6.007" / 152.580mm	0.625" / 15.880mm	Nitrile	45	455203
4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41	415953	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Polyacrylate	41	6565N
4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Fluoro-Elastomer	41	415953V	<b>4.134" / 105.000mm Shaft</b>					
5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	416130	4.921" / 125.000mm	4.932" / 125.280mm	0.512" / 13.000mm	Nitrile	32	105X125X13
6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	417223	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	105X130X12
5.125" / 130.180mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	417356	5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32	105X140X12
5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41	417357	<b>4.166" / 105.820mm Shaft</b>					
5.626" / 142.900mm	5.632" / 143.050mm	0.375" / 9.530mm	Nitrile	41	417507	5.625" / 142.880mm	6.800" / 172.720mm	0.210" / 5.330mm	Nitrile	#	2064
5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	417509	5.501" / 139.730mm	5.506" / 139.850mm	0.600" / 15.240mm	Nitrile	45	9128S
4.876" / 123.850mm	4.881" / 123.980mm	0.250" / 6.350mm	Nitrile	4S	45187S	<b>4.187" / 106.350mm Shaft</b>					
						4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415295

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>4.187" / 106.350mm Shaft (Cont.)</b>						<b>4.331" / 110.000mm Shaft (Cont.)</b>					
5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417513	5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32	110X140X12
5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	417514	5.512" / 140.000mm	5.521" / 140.230mm	0.512" / 13.000mm	Nitrile	32	110X140X13
6.000" / 152.400mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	417515	5.709" / 145.000mm	5.720" / 145.300mm	0.512" / 13.000mm	Nitrile	35	110X145X13
6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	417516	5.906" / 150.000mm	5.911" / 150.140mm	0.472" / 12.000mm	Nitrile	35	110X150X12
4.999" / 126.970mm	5.004" / 127.100mm	0.375" / 9.530mm	Nitrile	41	418038	5.118" / 130.000mm	5.130" / 130.300mm	0.394" / 10.000mm	Fluoro-Elastomer	32	325776
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455194	6.693" / 170.000mm	6.700" / 170.180mm	0.500" / 12.700mm	Nitrile	47	476518
<b>4.2130" / 107.000mm Shaft</b>						<b>4.375" / 111.130mm Shaft</b>					
4.843" / 123.000mm	4.846" / 123.100mm	0.433" / 11.000mm	Nitrile	47	710295	5.118" / 130.000mm	5.124" / 130.150mm	0.512" / 13.000mm	PTFE	34	710552
<b>4.241" / 107.734mm Shaft</b>						<b>4.400" / 111.76mm Shaft</b>					
5.105" / 129.660mm	5.113" / 129.860mm	0.390" / 9.900mm	PTFE	32	710698	5.235" / 132.96mm	5.242" / 133.14mm	0.375" / 9.525mm	Fluoro-Elastomer	32	710885
<b>4.250" / 107.950mm Shaft</b>						<b>4.437" / 112.700mm Shaft</b>					
5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415045	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417295
6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415058	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	417525
5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	415196	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	417526
5.626" / 142.900mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416135	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	25	457295
5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	416137	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41	417522
5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41	416556	5.375" / 136.530mm	5.425" / 137.800mm	0.500" / 12.700mm	Fluoro-Elastomer	#	4291V
5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	416891	6.064" / 154.030mm	6.071" / 154.200mm	0.625" / 15.880mm	Nitrile	45	6635S
6.126" / 155.600mm	6.133" / 155.780mm	0.500" / 12.700mm	Nitrile	41	417518	5.373" / 136.470mm	5.500" / 139.700mm	0.570" / 14.480mm	Polyacrylate	8S	7354N
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455195	5.373" / 136.470mm	5.500" / 139.700mm	0.570" / 14.480mm	Fluoro-Elastomer	8S	7354V
5.250" / 133.350mm	5.256" / 133.500mm	0.250" / 6.350mm	Nitrile	4S	47150S	<b>4.488" / 114.000mm Shaft</b>					
5.251" / 133.380mm	5.256" / 133.500mm	0.375" / 9.530mm	Nitrile	47	472157	5.512" / 140.000mm	5.523" / 140.280mm	0.512" / 13.000mm	Nitrile	32	114X140X13
5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Silicone	48	485195H	<b>4.500" / 114.300mm Shaft</b>					
<b>4.291" / 109.000mm Shaft</b>						<b>4.500" / 114.300mm Shaft</b>					
5.118" / 130.000mm	5.130" / 130.300mm	0.492" / 12.500mm	PTFE	40	711003	5.251" / 133.380mm	5.259" / 133.580mm	0.437" / 11.100mm	Nitrile	32	327303
<b>4.312" / 109.520mm Shaft</b>						<b>4.500" / 114.300mm Shaft</b>					
5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	416144	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	415351
6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	417238	6.125" / 155.580mm	6.131" / 155.730mm	0.562" / 14.270mm	Nitrile	41	416070
5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	417520	5.625" / 142.880mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416153
5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45	455197	<b>4.500" / 114.300mm Shaft</b>					
5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Polyacrylate	45	455197N	<b>4.500" / 114.300mm Shaft</b>					
5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	45	456141	<b>4.500" / 114.300mm Shaft</b>					
<b>4.331" / 110.000mm Shaft</b>						<b>4.500" / 114.300mm Shaft</b>					
5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	110X130X12	<b>4.500" / 114.300mm Shaft</b>					
5.315" / 135.000mm	5.327" / 135.300mm	0.512" / 13.000mm	Nitrile	32	110X135X13	<b>4.500" / 114.300mm Shaft</b>					

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>4.500" / 114.300mm Shaft (Cont.)</b>						<b>4.646" / 118.008mm Shaft</b>					
5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416154	5.751" / 146.075mm	5.756" / 146.215mm	0.500" / 12.700mm	PTFE	FW-H	39952
5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	416888	<b>4.646" / 118.000mm Shaft</b>					
5.500" / 139.700mm	5.507" / 139.880mm	0.500" / 12.700mm	Fluoro-Elastomer	41	416888V	6.811" / 173.000mm	6.843" / 173.800mm	1.102" / 28.000mm	Nitrile	90	710089
5.750" / 146.050mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	416892	<b>4.646" / 118.008mm Shaft</b>					
5.376" / 136.550mm	5.381" / 136.680mm	0.437" / 11.100mm	Nitrile	41	417530	5.748" / 145.999mm	5.762" / 146.355mm	0.750" / 19.050mm	PTFE	32	710901
5.876" / 149.250mm	5.881" / 149.380mm	0.500" / 12.700mm	Nitrile	41	417531	<b>4.687" / 119.050mm Shaft</b>					
6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41	417532	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	415284
5.251" / 133.375mm	5.256" / 133.502mm	0.438" / 11.125mm	Fluoroelastomer	41	418305	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	417535
5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45	455200	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	417536
5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Polyacrylate	45	455200N	6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41	417537
5.501" / 139.725mm	5.506" / 139.852mm	0.438" / 11.125mm	Fluoroelastomer	45	458306	6.002" / 152.450mm	6.007" / 152.580mm	0.250" / 6.350mm	Nitrile	4S	45637S
5.751" / 146.075mm	5.756" / 146.202mm	0.375" / 9.525mm	Fluoroelastomer	47	477727	5.751" / 146.080mm	5.756" / 146.200mm	0.750" / 19.050mm	Nitrile	7S	6329S
<b>4.528" / 115.000mm Shaft</b>						<b>4.724" / 120.000mm Shaft</b>					
5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32	115X140X12	5.512" / 140.000mm	5.523" / 140.280mm	0.512" / 13.000mm	Nitrile	32	120X140X13
5.709" / 145.000mm	5.720" / 145.300mm	0.512" / 13.000mm	Nitrile	35	115X145X13	5.709" / 145.000mm	5.720" / 145.280mm	0.472" / 12.000mm	Nitrile	35	120X145X12
5.709" / 145.000mm	5.717" / 145.200mm	0.551" / 14.000mm	Nitrile	32	115X145X14	5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	32	120X150X12
5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	35	115X150X12	5.512" / 140.000mm	5.520" / 140.210mm	0.413" / 10.500mm	Nitrile	47	710084
5.315" / 135.000mm	5.323" / 135.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710258	5.512" / 140.000mm	5.522" / 140.250mm	0.472" / 12.000mm	Nitrile	48	717004
<b>4.562" / 115.870mm Shaft</b>						<b>4.750" / 120.650mm Shaft</b>					
5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	417533	6.002" / 152.450mm	6.092" / 154.740mm	0.285" / 7.240mm	Nitrile	200	200642
5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	417534	6.186" / 157.120mm	6.192" / 157.280mm	1.250" / 31.750mm	Nitrile	89	3100
6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	45	457585	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415066
<b>4.625" / 117.480mm Shaft</b>						<b>4.750" / 120.650mm Shaft</b>					
6.186" / 157.120mm	6.192" / 157.280mm	1.250" / 31.750mm	Nitrile	89	2505	5.750" / 146.050mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	415138
6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415064	5.999" / 152.370mm	6.007" / 152.580mm	0.625" / 15.880mm	Polyacrylate	41	415213N
5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415371	6.001" / 152.430mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	417247
5.625" / 142.880mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416156	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41	417252
5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416158	5.876" / 149.250mm	5.881" / 149.380mm	0.500" / 12.700mm	Nitrile	41	417538
5.875" / 149.230mm	5.881" / 149.380mm	0.625" / 15.880mm	Nitrile	45	455685	6.618" / 168.100mm	6.625" / 168.280mm	1.141" / 28.980mm	Nitrile	89	6663S
5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Silicone	45	456641	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Fluoro-Elastomer	48	714750
<b>4.625" / 117.475mm Shaft</b>						<b>4.812" / 122.220mm Shaft</b>					
5.626" / 142.900mm	5.631" / 143.027mm	0.500" / 12.700mm	Fluoroelastomer	45	458301	5.544" / 140.820mm	5.552" / 141.020mm	0.535" / 13.590mm	Silicone	100	3341
<b>4.625" / 117.480mm Shaft</b>						<b>4.812" / 122.220mm Shaft</b>					
6.622" / 168.200mm	6.629" / 168.380mm	1.093" / 27.760mm	Nitrile	21	7700S	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416163
						5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Silicone	45	455251H
						6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	45	456890
						5.543" / 140.800mm	5.551" / 141.000mm	0.472" / 12.000mm	Fluoro-Elastomer	32	712449



# Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>5.250" / 133.350mm Shaft (Cont.)</b>						<b>5.500" / 139.700mm Shaft (Cont.)</b>					
6.375" / 161.930mm	6.381" / 162.080mm	0.500" / 12.700mm	Nitrile	41	417358	6.750" / 171.450mm	6.756" / 171.602mm	0.500" / 12.700mm	Fluoroelastomer	45	458305
6.625" / 168.280mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41	417359	6.250" / 158.750mm	6.257" / 158.930mm	0.500" / 12.700mm	Nitrile	47	476842
6.750" / 171.450mm	6.757" / 171.630mm	0.500" / 12.700mm	Nitrile	41	417549	6.312" / 160.320mm	6.316" / 160.430mm	1.250" / 31.750mm	Nitrile	47	6872S
6.250" / 158.750mm	6.256" / 158.900mm	0.250" / 6.350mm	Nitrile	44	447060	7.624" / 193.650mm	7.631" / 193.830mm	1.250" / 31.750mm	Nitrile	21	8635S
6.499" / 165.070mm	6.507" / 165.280mm	0.625" / 15.880mm	Nitrile	45	455104	<b>5.512" / 140.000mm Shaft</b>					
6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	45	455448	6.299" / 160.000mm	6.307" / 160.200mm	0.472" / 12.000mm	Nitrile	32	140X160X12
<b>5.312" / 134.920mm Shaft</b>						6.693" / 170.000mm	6.705" / 170.300mm	0.472" / 12.000mm	Nitrile	32	140X170X12
6.500" / 165.100mm	6.507" / 165.280mm	0.500" / 12.700mm	Nitrile	41	417550	6.693" / 170.000mm	6.710" / 170.430mm	0.591" / 15.000mm	Nitrile	32	140X170X15
<b>5.315" / 135.000mm Shaft</b>						7.087" / 180.000mm	7.098" / 180.300mm	0.472" / 12.000mm	Nitrile	35	140X180X12
6.299" / 160.000mm	6.314" / 160.380mm	0.512" / 13.000mm	Nitrile	35	135X160X13	6.693" / 170.000mm	6.697" / 170.100mm	0.551" / 14.000mm	Nitrile	47	710406
6.693" / 170.000mm	6.708" / 170.380mm	0.472" / 12.000mm	Nitrile	35	135X170X12	<b>5.625" / 142.880mm Shaft</b>					
<b>5.375" / 136.530mm Shaft</b>						7.125" / 180.980mm	7.131" / 181.130mm	0.500" / 12.700mm	Nitrile	41	417040
6.875" / 174.630mm	6.882" / 174.800mm	1.000" / 25.400mm	Nitrile	89	3292	6.624" / 168.250mm	6.631" / 168.430mm	0.500" / 12.700mm	Nitrile	41	417555
6.624" / 168.250mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41	415938	6.874" / 174.600mm	6.882" / 174.800mm	0.500" / 12.700mm	Nitrile	41	417556
7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41	416112	<b>5.625" / 142.875mm Shaft</b>					
6.374" / 161.900mm	6.380" / 162.050mm	0.500" / 12.700mm	Nitrile	41	417551	6.625" / 168.275mm	6.631" / 168.427mm	0.500" / 12.700mm	Fluoroelastomer	45	458310
6.749" / 171.420mm	6.757" / 171.630mm	0.500" / 12.700mm	Nitrile	41	417554	<b>5.669" / 144.000mm Shaft</b>					
6.499" / 165.070mm	6.507" / 165.280mm	0.562" / 14.270mm	Nitrile	45	455576	6.299" / 160.000mm	6.309" / 160.250mm	0.472" / 12.000mm	Nitrile	35	144X160X12
<b>5.428" / 137.870mm Shaft</b>						<b>5.709" / 145.000mm Shaft</b>					
6.500" / 165.100mm	6.505" / 165.230mm	0.420" / 10.670mm	Nitrile	230	710425	6.693" / 170.000mm	6.711" / 170.450mm	0.472" / 12.000mm	Nitrile	32	145X170X12
<b>5.433" / 138.000mm Shaft</b>						6.890" / 175.000mm	6.905" / 175.380mm	0.591" / 15.000mm	Nitrile	32	145X175X15
5.984" / 152.000mm	5.988" / 152.100mm	0.472" / 12.000mm	Nitrile	47	138X152X12	7.087" / 180.000mm	7.098" / 180.280mm	0.472" / 12.000mm	Nitrile	35	145X180X12
5.984" / 152.000mm	5.996" / 152.300mm	0.472" / 12.000mm	Nitrile	47	710421	6.457" / 164.000mm	6.461" / 164.100mm	0.551" / 14.000mm	Nitrile	47	710369
<b>5.437" / 138.100mm Shaft</b>						<b>5.750" / 146.050mm Shaft</b>					
6.749" / 171.420mm	6.757" / 171.630mm	0.625" / 15.880mm	Leather	5L	55357	6.624" / 168.250mm	6.632" / 168.450mm	0.625" / 15.880mm	Nitrile	41	415447
<b>5.500" / 139.700mm Shaft</b>						7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41	416029
6.749" / 171.420mm	6.756" / 171.600mm	0.625" / 15.880mm	Fluoro-Elastomer	41	415073V	7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Polyacrylate	41	416029N
7.000" / 177.800mm	7.007" / 177.980mm	0.625" / 15.880mm	Nitrile	41	415610	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	416039
6.750" / 171.450mm	6.758" / 171.650mm	0.575" / 14.610mm	Nitrile	41	416107	7.001" / 177.830mm	7.008" / 178.000mm	0.562" / 14.270mm	Nitrile	41	416666
7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	41	416191	6.750" / 171.450mm	6.757" / 171.630mm	0.575" / 14.610mm	Nitrile	41	417362
6.500" / 165.100mm	6.507" / 165.280mm	0.562" / 14.270mm	Nitrile	41	417254	6.875" / 174.630mm	6.882" / 174.800mm	0.562" / 14.270mm	Nitrile	41	417363
6.625" / 168.280mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41	417360	7.125" / 180.980mm	7.132" / 181.150mm	0.562" / 14.270mm	Nitrile	41	417364
6.875" / 174.630mm	6.882" / 174.800mm	0.562" / 14.270mm	Nitrile	41	417361	7.000" / 177.800mm	7.006" / 177.952mm	0.500" / 12.700mm	Fluoroelastomer	45	458303
6.749" / 171.420mm	6.757" / 171.630mm	0.625" / 15.880mm	Nitrile	45	455073	<b>5.827" / 148.000mm Shaft</b>					
7.500" / 190.500mm	7.507" / 190.680mm	0.562" / 14.270mm	Nitrile	45	456192	6.693" / 170.000mm	6.704" / 170.280mm	0.591" / 15.000mm	Nitrile	35	148X170X15

## Seals by specifications

Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>5.875" / 149.230mm Shaft</b>					
8.001" / 203.230mm	8.007" / 203.380mm	0.750" / 19.050mm	Nitrile	45	3016
7.125" / 180.980mm	7.133" / 181.180mm	0.500" / 12.700mm	Nitrile	41	416476
7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	45	455075
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45	455297
<b>5.906" / 150.000mm Shaft</b>					
7.087" / 180.000mm	7.100" / 180.350mm	0.472" / 12.000mm	Nitrile	32	150X180X12
<b>5.937" / 150.800mm Shaft</b>					
7.502" / 190.550mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	417780
6.801" / 172.750mm	6.806" / 172.870mm	1.125" / 28.580mm	Nitrile	#	8907
<b>5.997" / 152.320mm Shaft</b>					
7.125" / 180.980mm	7.131" / 181.130mm	0.500" / 12.700mm	PTFE	DW-H	39956
<b>6.000" / 152.400mm Shaft</b>					
6.750" / 171.450mm	6.757" / 171.630mm	0.500" / 12.700mm	Fluoro-Elastomer	25	2297V
7.475" / 189.870mm	7.481" / 190.020mm	0.590" / 14.990mm	PTFE	#	39715
6.750" / 171.450mm	6.756" / 171.600mm	0.437" / 11.100mm	PTFE	W-H	39807
6.750" / 171.450mm	6.757" / 171.630mm	0.625" / 15.880mm	PTFE	DW-H	39823
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	415072
7.000" / 177.800mm	7.007" / 178.000mm	0.500" / 12.700mm	Nitrile	41	415683
7.125" / 180.980mm	7.132" / 181.150mm	0.562" / 14.270mm	Nitrile	41	417365
7.500" / 190.500mm	7.506" / 190.652mm	0.500" / 12.700mm	Fluoroelastomer	41	418304
7.001" / 177.830mm	7.008" / 178.000mm	0.625" / 15.880mm	Fluoro-Elastomer	45	456055
<b>6.063" / 154.000mm Shaft</b>					
6.890" / 175.000mm	6.894" / 175.100mm	0.512" / 13.000mm	Nitrile	47	710052
6.772" / 172.000mm	6.776" / 172.100mm	0.551" / 14.000mm	Nitrile	47	710083
6.890" / 175.000mm	6.902" / 175.300mm	0.531" / 13.500mm	Fluoro-Elastomer	74	710766
<b>6.077" / 154.360mm Shaft</b>					
7.329" / 186.130mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	W-H	39889
7.329" / 186.140mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	W-H	39890
<b>6.102" / 155.000mm Shaft</b>					
7.087" / 180.000mm	7.096" / 180.230mm	0.591" / 15.000mm	Nitrile	32	155X180X15
<b>6.125" / 155.580mm Shaft</b>					
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	415074
7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	45	455330
7.627" / 193.730mm	7.633" / 193.880mm	0.625" / 15.880mm	Nitrile	45	457874
<b>6.187" / 157.150mm Shaft</b>					
7.250" / 184.150mm	7.258" / 184.350mm	0.734" / 18.640mm	Nitrile	41	417921

Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>6.187" / 157.150mm Shaft (Cont.)</b>					
7.500" / 190.500mm	7.507" / 190.680mm	0.562" / 14.270mm	Polyacrylate	45	455583N
<b>6.198" / 157.430mm Shaft</b>					
7.329" / 186.140mm	7.336" / 186.330mm	0.354" / 8.990mm	PTFE	FW-H	39885
7.329" / 186.140mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	FW-H	39888
<b>6.202" / 157.530mm Shaft</b>					
7.329" / 186.160mm	7.336" / 186.330mm	0.377" / 9.580mm	PTFE	DW-H	39886
<b>6.204" / 157.580mm Shaft</b>					
7.328" / 186.130mm	7.336" / 186.330mm	0.562" / 14.270mm	Silicone	64	2628
7.330" / 186.180mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	FW-H	39887
<b>6.238" / 158.450mm Shaft</b>					
8.655" / 219.840mm	8.661" / 219.990mm	1.100" / 27.940mm	PTFE	90	39883
<b>6.250" / 158.750mm Shaft</b>					
7.875" / 200.030mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41	415854
7.750" / 196.850mm	7.758" / 197.050mm	0.500" / 12.700mm	Nitrile	41	417562
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45	455480
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Fluoro-Elastomer	45	455480V
<b>6.299" / 160.000mm Shaft</b>					
7.283" / 185.000mm	7.297" / 185.350mm	0.394" / 10.000mm	Nitrile	35	160X185X10
7.480" / 190.000mm	7.494" / 190.350mm	0.591" / 15.000mm	Nitrile	32	160X190X15
7.874" / 200.000mm	7.882" / 200.200mm	0.472" / 12.000mm	Nitrile	32	160X200X12
7.874" / 200.000mm	7.882" / 200.200mm	0.591" / 15.000mm	Nitrile	32	160X200X15
<b>6.375" / 161.930mm Shaft</b>					
7.875" / 200.030mm	7.883" / 200.230mm	0.500" / 12.700mm	Nitrile	41	417563
<b>6.496" / 165.000mm Shaft</b>					
7.480" / 190.000mm	7.494" / 190.350mm	0.512" / 13.000mm	Nitrile	41	165X190X13
9.600" / 243.840mm	9.606" / 244.000mm	0.540" / 13.720mm	PTFE	#	39861
<b>6.500" / 165.100mm Shaft</b>					
8.000" / 203.200mm	8.007" / 203.380mm	0.625" / 15.880mm	PTFE	PDW	41509
8.000" / 203.200mm	8.007" / 203.380mm	0.625" / 15.880mm	PTFE	PDW	41510
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	415294
8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41	416229
7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45	455294
7.500" / 190.500mm	7.506" / 190.652mm	0.500" / 12.700mm	Fluoroelastomer	45	458302
<b>6.625" / 168.280mm Shaft</b>					
8.125" / 206.380mm	8.134" / 206.600mm	0.625" / 15.880mm	Nitrile	41	417298
9.615" / 244.220mm	9.622" / 244.400mm	0.979" / 24.870mm	Fluoro-Elastomer	#	4354V

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>6.693" / 170.000mm Shaft</b>						<b>7.375" / 187.330mm Shaft (Cont.)</b>					
7.874" / 200.000mm	7.888" / 200.350mm	0.591" / 15.000mm	Nitrile	32	170X200X15	9.615" / 244.220mm	9.622" / 244.400mm	0.979" / 24.870mm	Fluoro-Elastomer	#	4353
8.268" / 210.000mm	8.276" / 210.200mm	0.591" / 15.000mm	Nitrile	32	170X210X15	8.875" / 225.430mm	8.882" / 225.600mm	0.750" / 19.050mm	Nitrile	45	455117
<b>6.750" / 171.450mm Shaft</b>						<b>7.480" / 190.000mm Shaft</b>					
8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41	415327	9.055" / 230.000mm	9.063" / 230.200mm	0.630" / 16.000mm	Nitrile	32	190X230X16
8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41	416008	<b>7.500" / 190.500mm Shaft</b>					
8.007" / 203.380mm	8.017" / 203.630mm	0.625" / 15.880mm	Nitrile	41	416362	9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41	415551
8.250" / 209.550mm	8.257" / 209.730mm	0.562" / 14.270mm	Nitrile	41	417596	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41	415867
<b>6.775" / 172.090mm Shaft</b>						<b>7.480" / 190.000mm Shaft</b>					
7.875" / 200.030mm	7.880" / 200.150mm	0.360" / 9.140mm	Nitrile	230	710562	9.243" / 234.770mm	9.250" / 234.950mm	0.625" / 15.880mm	Nitrile	41	417283
<b>6.875" / 174.630mm Shaft</b>						<b>7.500" / 190.500mm Shaft</b>					
8.375" / 212.730mm	8.382" / 212.900mm	0.625" / 15.880mm	Nitrile	45	455584	10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	41	417385
7.875" / 200.030mm	7.883" / 200.230mm	0.625" / 15.880mm	Nitrile	45	455948	9.000" / 228.600mm	9.008" / 228.803mm	0.625" / 15.875mm	Polyacrylate	41	418308
<b>6.890" / 175.000mm Shaft</b>						<b>7.500" / 190.500mm Shaft</b>					
7.874" / 200.000mm	7.888" / 200.350mm	0.591" / 15.000mm	Nitrile	32	175X200X15	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Fluoro-Elastomer	45	455867V
<b>7.000" / 177.800mm Shaft</b>						<b>7.625" / 193.680mm Shaft</b>					
9.313" / 236.550mm	9.321" / 236.750mm	0.625" / 15.880mm	Nitrile	41	415876	8.625" / 219.080mm	8.632" / 219.250mm	0.562" / 14.270mm	Nitrile	41	416102
9.313" / 236.550mm	9.321" / 236.750mm	0.625" / 15.880mm	Fluoro-Elastomer	41	415876V	9.125" / 231.780mm	9.133" / 231.980mm	0.625" / 15.880mm	Nitrile	41	417598
8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41	416239	9.125" / 231.780mm	9.133" / 231.980mm	0.625" / 15.880mm	Fluoro-Elastomer	41	417598V
8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41	416364	<b>7.750" / 196.850mm Shaft</b>					
8.375" / 212.730mm	8.382" / 212.900mm	0.750" / 19.050mm	Fluoro-Elastomer	41	416674V	10.000" / 254.000mm	10.008" / 254.200mm	0.750" / 19.050mm	Nitrile	41	417115
8.375" / 212.730mm	8.382" / 212.950mm	0.625" / 15.880mm	Nitrile	41	417255	9.250" / 234.950mm	9.260" / 235.200mm	0.625" / 15.880mm	Nitrile	45	455406
8.750" / 222.250mm	8.759" / 222.480mm	0.625" / 15.880mm	Nitrile	41	417564	<b>7.874" / 200.000mm Shaft</b>					
8.250" / 209.550mm	8.257" / 209.730mm	0.625" / 15.880mm	Nitrile	41	417597	9.055" / 230.000mm	9.069" / 230.350mm	0.591" / 15.000mm	Nitrile	32	200X230X15
8.500" / 215.900mm	8.507" / 216.078mm	0.625" / 15.875mm	Fluoroelastomer	41	418303	<b>7.875" / 200.030mm Shaft</b>					
<b>7.087" / 180.000mm Shaft</b>						<b>7.995" / 203.070mm Shaft</b>					
8.268" / 210.000mm	8.281" / 210.350mm	0.591" / 15.000mm	Nitrile	32	180X210X15	11.625" / 295.280mm	11.633" / 295.480mm	1.078" / 27.380mm	Nitrile	41	8724S
<b>7.125" / 180.980mm Shaft</b>						<b>8.000" / 203.200mm Shaft</b>					
8.625" / 219.080mm	8.632" / 219.250mm	0.562" / 14.270mm	Nitrile	41	416077	10.125" / 257.180mm	10.133" / 257.380mm	0.750" / 19.050mm	Nitrile	41	415052
<b>7.250" / 184.150mm Shaft</b>						<b>8.000" / 203.200mm Shaft</b>					
8.125" / 206.380mm	8.133" / 206.580mm	0.500" / 12.700mm	PTFE	FW-H	39701	9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41	415656
8.750" / 222.250mm	8.759" / 222.480mm	0.750" / 19.050mm	Nitrile	41	415116	9.250" / 234.950mm	9.258" / 235.150mm	0.625" / 15.880mm	Nitrile	41	417600
8.250" / 209.550mm	8.257" / 209.730mm	0.625" / 15.880mm	Nitrile	41	416044	9.500" / 241.300mm	9.508" / 241.500mm	0.625" / 15.880mm	Nitrile	41	417601
<b>7.283" / 185.000mm Shaft</b>						<b>8.125" / 206.380mm Shaft</b>					
8.268" / 210.000mm	8.281" / 210.350mm	0.512" / 13.000mm	Nitrile	35	185X210X13	10.000" / 254.000mm	10.008" / 254.200mm	0.625" / 15.880mm	Nitrile	41	417602
<b>7.375" / 187.330mm Shaft</b>						<b>8.250" / 209.550mm Shaft</b>					
9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41	415317	10.250" / 260.350mm	10.260" / 260.600mm	0.750" / 19.050mm	Nitrile	41	415124

## Seals by specifications

Oil Seal (Cont.)						Oil Seal (Cont.)					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>8.250" / 209.550mm Shaft (Cont.)</b>						<b>9.052" / 229.920mm Shaft (Cont.)</b>					
11.500" / 292.100mm	11.507" / 292.280mm	0.750" / 19.050mm	Nitrile	41	416422	10.709" / 272.010mm	10.720" / 272.290mm	0.625" / 15.880mm	PTFE	FW-H	39894
<b>10.625" / 269.880mm Shaft</b>						<b>9.055" / 230.000mm Shaft</b>					
10.625" / 269.880mm	10.633" / 270.080mm	0.750" / 19.050mm	Nitrile	41	416951	10.236" / 260.000mm	10.250" / 260.350mm	0.591" / 15.000mm	Nitrile	35	230X260X15
<b>9.250" / 234.950mm Shaft</b>						<b>9.250" / 234.950mm Shaft</b>					
9.250" / 234.950mm	9.258" / 235.150mm	0.625" / 15.880mm	Nitrile	45	455475	10.250" / 260.350mm	10.258" / 260.550mm	0.500" / 12.700mm	Polyacrylate	33	337426N
9.500" / 241.300mm	9.515" / 241.681mm	0.570" / 14.478mm	Nitrile	48	487506	11.250" / 285.750mm	11.260" / 286.000mm	0.750" / 19.050mm	Nitrile	41	415219
<b>8.268" / 210.000mm Shaft</b>						<b>11.000" / 279.400mm Shaft</b>					
9.449" / 240.000mm	9.463" / 240.350mm	0.591" / 15.000mm	Nitrile	35	210X240X15	11.008" / 279.600mm	11.008" / 279.600mm	0.750" / 19.050mm	Nitrile	41	416257
9.843" / 250.000mm	9.850" / 250.200mm	0.591" / 15.000mm	Nitrile	32	210X250X15	<b>9.375" / 238.130mm Shaft</b>					
<b>8.375" / 212.730mm Shaft</b>						11.375" / 288.930mm	11.385" / 289.180mm	0.750" / 19.050mm	Nitrile	41	415871
10.375" / 263.530mm	10.385" / 263.780mm	0.625" / 15.880mm	Nitrile	41	417022	<b>9.449" / 240.000mm Shaft</b>					
<b>8.500" / 215.900mm Shaft</b>						10.630" / 270.000mm	10.644" / 270.350mm	0.591" / 15.000mm	Nitrile	35	240X270X15
10.625" / 269.880mm	10.633" / 270.080mm	0.750" / 19.050mm	Nitrile	41	416394	11.024" / 280.000mm	11.031" / 280.200mm	0.630" / 16.000mm	Nitrile	32	240X280X16
10.000" / 254.000mm	10.008" / 254.200mm	0.625" / 15.880mm	Nitrile	41	417603	<b>9.500" / 241.300mm Shaft</b>					
10.500" / 266.700mm	10.508" / 266.900mm	0.625" / 15.880mm	Nitrile	41	417604	11.500" / 292.100mm	11.508" / 292.300mm	0.625" / 15.880mm	Nitrile	41	417606
9.500" / 241.300mm	9.509" / 241.530mm	0.625" / 15.880mm	Fluoro-Elastomer	45	455828V	12.499" / 317.470mm	12.509" / 317.730mm	0.687" / 17.450mm	Nitrile	74	9555S
9.750" / 247.650mm	9.758" / 247.853mm	0.625" / 15.875mm	Nitrile	45	458314	<b>9.625" / 244.480mm Shaft</b>					
<b>8.625" / 219.080mm Shaft</b>						12.750" / 323.850mm	12.758" / 324.050mm	1.250" / 31.750mm	Nitrile	41	416381
10.625" / 269.880mm	10.635" / 270.130mm	0.750" / 19.050mm	Nitrile	41	417567	<b>9.750" / 247.650mm Shaft</b>					
<b>8.661" / 220.000mm Shaft</b>						11.250" / 285.750mm	11.260" / 286.000mm	0.750" / 19.050mm	Nitrile	5S	55078S
9.843" / 250.000mm	9.856" / 250.350mm	0.591" / 15.000mm	Nitrile	35	220X250X15	<b>10.000" / 254.000mm Shaft</b>					
<b>8.750" / 222.250mm Shaft</b>						12.000" / 304.800mm	12.008" / 305.000mm	0.625" / 15.880mm	Nitrile	41	417020
10.750" / 273.050mm	10.758" / 273.250mm	0.750" / 19.050mm	Nitrile	41	415128	11.000" / 279.400mm	11.008" / 279.600mm	0.625" / 15.880mm	Nitrile	41	417605
10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	45	455966	11.250" / 285.750mm	11.258" / 285.953mm	0.630" / 16.002mm	Nitrile	41	418302
<b>8.875" / 225.430mm Shaft</b>						<b>10.250" / 260.350mm Shaft</b>					
10.122" / 257.100mm	10.130" / 257.300mm	0.750" / 19.050mm	Nitrile	41	416657	12.250" / 311.150mm	12.260" / 311.400mm	0.750" / 19.050mm	Nitrile	41	417570
10.875" / 276.230mm	10.885" / 276.480mm	0.750" / 19.050mm	Nitrile	45	455129	11.250" / 285.750mm	11.258" / 285.953mm	0.563" / 14.300mm	Nitrile	45	458312
<b>9.000" / 228.600mm Shaft</b>						<b>10.500" / 266.700mm Shaft</b>					
10.376" / 263.550mm	10.384" / 263.750mm	0.625" / 15.880mm	Nitrile	33	2791	12.500" / 317.500mm	12.508" / 317.700mm	1.000" / 25.400mm	Nitrile	41	415227
11.000" / 279.400mm	11.008" / 279.600mm	0.750" / 19.050mm	Nitrile	41	415090	12.000" / 304.800mm	12.008" / 305.000mm	0.625" / 15.880mm	Nitrile	45	457997
10.088" / 256.240mm	10.095" / 256.410mm	0.625" / 15.880mm	Nitrile	41	417940	<b>10.750" / 273.050mm Shaft</b>					
10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	45	455462	13.374" / 339.700mm	13.381" / 339.880mm	1.250" / 31.750mm	Nitrile	41	416383
10.250" / 260.350mm	10.260" / 260.600mm	0.750" / 19.050mm	Nitrile	45	455476	<b>11.000" / 279.400mm Shaft</b>					
10.375" / 263.530mm	10.384" / 263.750mm	0.625" / 15.880mm	Nitrile	45	456462	13.000" / 330.200mm	13.010" / 330.450mm	0.750" / 19.050mm	Nitrile	41	415482
11.000" / 279.400mm	11.008" / 279.603mm	0.625" / 15.875mm	Nitrile	45	458311	12.500" / 317.500mm	12.510" / 317.750mm	0.625" / 15.880mm	Nitrile	41	417571
10.000" / 254.000mm	10.010" / 254.250mm	0.750" / 19.050mm	Nitrile	45	55301S	<b>11.024" / 280.000mm Shaft</b>					
<b>9.052" / 229.920mm Shaft</b>						12.598" / 320.000mm	12.616" / 320.450mm	0.787" / 20.000mm	Nitrile	32	280X320X20
10.709" / 272.010mm	10.720" / 272.290mm	0.625" / 15.880mm	PTFE	FW-H	39893						

## Seals by specifications

<b>Oil Seal (Cont.)</b>					
Housing Bore	Outside Diameter	Width	Material	Type	Part Number
<b>11.220" / 285.000mm Shaft</b>					
12.250" / 309.880mm	12.260" / 311.400mm	0.945" / 24.000mm	PTFE	#	39899
12.250" / 309.880mm	12.260" / 311.400mm	0.945" / 24.000mm	PTFE	#	39900
<b>11.375" / 288.925mm Shaft</b>					
13.000" / 330.200mm	13.008" / 330.403mm	0.625" / 15.875mm	Nitrile	48	487537
<b>11.500" / 292.100mm Shaft</b>					
13.500" / 342.900mm	13.508" / 343.100mm	0.750" / 19.050mm	Nitrile	41	415076
13.000" / 330.200mm	13.010" / 330.450mm	0.750" / 19.050mm	Nitrile	41	415077
13.000" / 330.200mm	13.008" / 330.403mm	0.625" / 15.875mm	Nitrile	45	458313
<b>11.811" / 300.000mm Shaft</b>					
13.386" / 340.000mm	13.404" / 340.450mm	0.787" / 20.000mm	Nitrile	32	300X340X20
<b>12.000" / 304.800mm Shaft</b>					
14.000" / 355.600mm	14.010" / 355.850mm	0.750" / 19.050mm	Nitrile	41	417608
<b>16.250" / 412.750mm Shaft</b>					
18.000" / 457.200mm	18.010" / 457.450mm	0.750" / 19.050mm	Nitrile	45	55103S
<b>2,166" / 55.000mm Shaft</b>					
2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	711129



## Bearings by specifications

Ball Bearing (Cont.)						Ball Bearing (Cont.)					
Outside Diameter	Width	Series	Design	Type	Part Number	Outside Diameter	Width	Series	Design	Type	Part Number
<b>0.626" / 15.900mm Bore (Cont.)</b>						<b>0.751" / 19.075mm Bore (Cont.)</b>					
1.850" / 47.000mm	0.689" / 17.501mm	AGSPEC	Single Row Radial		204-FRK	2.047" / 52.000mm	0.833" / 21.158mm	AGSPEC	Single Row Radial		205-RVA
<b>0.630" / 16.000mm Bore</b>						<b>0.751" / 19.080mm Bore</b>					
1.378" / 35.000mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-5	202-CC16	2.047" / 52.000mm	1.375" / 34.930mm	AGSPEC	Single Row Radial		205-TTB
1.378" / 35.000mm	0.500" / 12.700mm	8000	Non Loading Groove Type	A-4	8016	2.441" / 62.000mm	0.945" / 24.000mm	AGSPEC	Single Row Radial	A-9	206-GGH
1.378" / 35.000mm	0.500" / 12.700mm	87000	Non Loading Groove Type	A-3	87016	<b>0.787" / 20.000mm Bore</b>					
<b>0.631" / 16.030mm Bore</b>						1.654" / 42.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	104
1.780" / 45.220mm	0.735" / 18.670mm	AGSPEC	Single Row Radial	A-9	204-FREN	1.654" / 42.000mm	0.472" / 12.000mm	100	Single Row Radial	A-5	104-CC
<b>0.635" / 16.129mm Bore</b>						2.047" / 52.000mm	0.591" / 15.000mm	1300	Single Row Radial	B-1	1304
1.575" / 40.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	203-RRAR10	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-1	204
1.850" / 47.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	203-RRH10	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-8	204-F
<b>0.640" / 16.256mm Bore</b>						1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-9	204-FF
1.575" / 40.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	203-RRAR10N2	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-2	204-S
<b>0.669" / 17.000mm Bore</b>						1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-3	204-SS
1.378" / 35.000mm	0.394" / 10.000mm	100	Single Row Radial	A-5	103-CC	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-1	304
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-1	203	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-7	304-DD
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-8	203-F	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-2	304-S
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-9	203-FF	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-3	304-SS
1.575" / 40.000mm	0.787" / 20.000mm	200	Single Row Radial	A-9	203-FFW	1.850" / 47.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		5204-KE
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-2	203-S	1.850" / 47.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		5204-KZZE
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-3	203-SS	2.047" / 52.000mm	0.875" / 22.225mm	5300	Double Row Angular Contact		5304-KSSE
1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-12	203-SSL	2.047" / 52.000mm	0.748" / 19.000mm	8000	Non Loading Groove Type	A-4	8604
1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-1	303	1.850" / 47.000mm	0.699" / 17.750mm	88000	Non Loading Groove Type	A-5	88504
1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-5	303-CC	1.850" / 47.000mm	0.813" / 20.638mm	W200	Single Row Deep Groove	A-13	W-204-CC
1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-2	303-S	<b>0.875" / 22.225mm Bore</b>					
1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-3	303-SS	1.875" / 47.625mm	0.500" / 12.700mm	R	Single Row Radial	A-3	R-14-SS
1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-3	303-SS	<b>0.937" / 23.810mm Bore</b>					
1.575" / 40.000mm	0.563" / 14.290mm	87000	Non Loading Groove Type	A-3	87503-A	2.047" / 52.000mm	1.375" / 34.930mm	AGSPEC	Single Row Radial	A-9	205-TTH
1.575" / 40.000mm	0.654" / 16.600mm	88000	Non Loading Groove Type	A-5	88503	<b>0.984" / 25.000mm Bore</b>					
<b>0.750" / 19.050mm Bore</b>						1.850" / 47.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	105
1.575" / 40.000mm	0.472" / 12.000mm	AGSPEC	Single Row Radial	A-5	203-RR12	1.850" / 47.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	105-CC
1.781" / 45.225mm	0.610" / 15.494mm	AGSPEC	Single Row Radial	A-4	204-BAR	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-1	205
1.781" / 45.225mm	0.610" / 15.494mm	AGSPEC	Single Row Radial	A-5	204-BBAR	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-8	205-F
2.047" / 52.000mm	0.700" / 17.780mm	AGSPEC	Single Row Radial	A-4	205-RHN	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-9	205-FF
1.625" / 41.275mm	0.438" / 11.113mm	R	Single Row Radial	A-3	R-12-SS	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-10	205-L
<b>0.751" / 19.075mm Bore</b>						2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-2	205-S
2.047" / 52.000mm	0.833" / 21.158mm	AGSPEC	Single Row Radial	A-5	205-RRAN						

# Bearings by specifications

Ball Bearing (Cont.)						Ball Bearing (Cont.)					
Outside Diameter	Width	Series	Design	Type	Part Number	Outside Diameter	Width	Series	Design	Type	Part Number
<b>0.984" / 25.000mm Bore (Cont.)</b>						<b>1.181" / 30.000mm Bore (Cont.)</b>					
2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-3	205-SS	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial		206-VV
2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-12	205-SSL	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-1	306
2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial		205-VV	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-8	306-F
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-1	305	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-9	306-FF
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-6	305-D	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-10	306-L
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-7	305-DD	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-10	306-LO
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-10	305-L	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-2	306-S
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-2	305-S	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-11	306-SLV
2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-3	305-SS	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-3	306-SS
2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		5205-KE	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-12	306-SSL
2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		5205-KSSE	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial		306-VV
2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		5205-KZZE	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial		306-VVL
2.047" / 52.000mm	0.591" / 15.000mm	7200	Single Row Angular Contact	C-1	7205	2.165" / 55.000mm	0.906" / 23.020mm	SPECIAL	Double Row Angular Contact	D-3	5106-WCC
2.047" / 52.000mm	0.625" / 15.880mm	8000	Non Loading Groove Type	M-4	8505	2.441" / 62.000mm	1.063" / 26.988mm	5200	Double Row Angular Contact	D-3	5206-DD
<b>0.984" / 24.991mm Bore</b>						2.441" / 62.000mm	0.938" / 23.813mm	5200	Double Row Angular Contact		5206-KE
2.047" / 52.000mm	0.591" / 15.000mm	SPECBR	Single Row Radial	A-9	S-205-FF	2.441" / 62.000mm	0.938" / 23.813mm	5200	Double Row Angular Contact		5206-KZZE
<b>0.986" / 25.044mm Bore</b>						2.441" / 62.000mm	0.787" / 20.000mm	8000	Non Loading Groove Type	A-4	8506
1.852" / 47.041mm	0.584" / 14.834mm	CPB			PB-50-G	2.441" / 62.000mm	0.945" / 24.000mm	88000	Non Loading Groove Type	A-5	88506
<b>1.000" / 25.400mm Bore</b>						2.165" / 55.000mm	0.354" / 9.000mm	100	Single Row Radial		N-106-1
2.000" / 50.800mm	0.500" / 12.700mm	R	Single Row Radial	A-3	R-16-SS	2.835" / 72.000mm	1.188" / 30.163mm	W300	Single Row Deep Groove	A-9	W-306-FF
<b>1.181" / 30.000mm Bore</b>						<b>1.378" / 35.000mm Bore</b>					
2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-1	106	2.441" / 62.000mm	0.551" / 14.000mm	100	Single Row Radial	A-1	107
2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-5	106-CC	2.441" / 62.000mm	0.551" / 14.000mm	100	Single Row Radial	A-7	107-DD
2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial		106-FL	2.835" / 72.000mm	0.669" / 17.000mm	1200	Single Row Radial	B-1	1207
2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-1	106L	2.835" / 72.000mm	0.669" / 17.000mm	1200	Single Row Radial	B-4	1207-L
2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-3	106-SS	3.150" / 80.000mm	0.827" / 21.000mm	1300	Single Row Radial	B-1	1307
2.441" / 62.000mm	0.630" / 16.000mm	1200	Single Row Radial	B-1	1206	3.150" / 80.000mm	0.827" / 21.000mm	1300	Single Row Radial	B-4	1307-L
2.835" / 72.000mm	0.748" / 19.000mm	1300	Single Row Radial	B-1	1306	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-1	207
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-1	206	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-8	207-F
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-8	206-F	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-9	207-FF
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-9	206-FF	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-10	207-L
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-10	206-L	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-2	207-S
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-2	206-S	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-11	207-SL
2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-3	206-SS						

## Bearings by specifications

Ball Bearing (Cont.)						Ball Bearing (Cont.)					
Outside Diameter	Width	Series	Design	Type	Part Number	Outside Diameter	Width	Series	Design	Type	Part Number
<b>1.378" / 35.000mm Bore (Cont.)</b>						<b>1.575" / 40.000mm Bore (Cont.)</b>					
2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-3	207-SS	2.441" / 62.000mm	0.945" / 24.000mm	SPECIAL	Double Row Angular Contact		5001-KFF
3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-1	307	0.945" / 24.000mm	0.945" / 24.000mm	88200	Non Loading Groove Type		88208-AL
3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-9	307-FF	3.150" / 80.000mm	1.063" / 27.000mm	88000	Non Loading Groove Type	A-5	88508
3.150" / 80.000mm	0.906" / 23.000mm	300	Single Row Radial		307-FFL5	3.780" / 96.000mm	0.906" / 23.000mm	SPECIAL	Single Row Radial	A-1	9308-KL
3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-10	307-L	<b>1.772" / 45.000mm Bore</b>					
3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-2	307-S	2.953" / 75.000mm	0.630" / 16.000mm	100	Single Row Radial	A-1	109
3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-3	307-SS	2.953" / 75.000mm	0.630" / 16.000mm	300	Single Row Radial		109-FFL
2.835" / 72.000mm	0.984" / 25.000mm	AGSPEC	Non Loading Groove Type	F-7	88107-BVV	3.347" / 85.000mm	0.748" / 19.000mm	1200	Single Row Radial	B-1	1209-A
<b>1.437" / 36.500mm Bore</b>						3.937" / 100.000mm	0.984" / 25.000mm	1300	Single Row Radial	B-4	1309-L
2.677" / 68.000mm	0.591" / 15.000mm	SPECIAL	Single Row Radial	A-3	108-SSA	3.937" / 100.000mm	0.984" / 25.000mm	1300	Single Row Radial	B-5	1309-SL
<b>1.574" / 39.987mm Bore</b>						3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-1	209
2.441" / 62.004mm	0.812" / 20.625mm	SPECIAL	Double Row Angular Contact	D-3	907257	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-7	209-DD
<b>1.575" / 40.000mm Bore</b>						3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-10	209-L
2.677" / 68.000mm	0.591" / 15.000mm	100	Single Row Radial	A-1	108	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-10	209-LO
2.677" / 68.000mm	0.591" / 15.000mm	100	Single Row Radial	A-9	108-FFN	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-2	209-S
3.150" / 80.000mm	0.709" / 18.000mm	1200	Single Row Radial	B-4	1208-L	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-11	209-SLV
3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-1	1308	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-3	209-SS
3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-4	1308-L	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-1	309
3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-5	1308-SL	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-7	309-DD
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-1	208	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-3	309-SS
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-8	208-F	3.937" / 100.000mm	1.563" / 39.688mm	W300	Single Row Deep Groove	A-13	W-309-CC
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-9	208-FF	<b>1.772" / 45.001mm Bore</b>					
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-10	208-L	3.937" / 100.000mm	0.827" / 21.001mm	SPECIAL	Single Row Radial	A-10	N-309-L
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-10	208-LO	3.937" / 100.000mm	1.563" / 39.688mm	W300	Single Row Deep Groove	A-13	W-309-CC
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-2	208-S	<b>1.969" / 50.000mm Bore</b>					
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-11	208-SL	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-1	110
3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-3	208-SS	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-5	110-CC
3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-1	308	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-10	110-L
3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-9	308-FF	3.543" / 90.000mm	0.787" / 20.000mm	1200	Single Row Radial	B-4	1210-L
3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-10	308-L	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-1	1310
3.543" / 90.000mm	0.787" / 20.000mm	SPECIAL	Single Row Radial	A-10	308-L1	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-4	1310-L
3.543" / 90.000mm	0.906" / 23.000mm	SPECIAL	Single Row Radial	A-10	308-L4	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-5	1310-SL
3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-3	308-SS	4.331" / 110.000mm	1.063" / 27.000mm	SPECIAL	Single Row Radial		1310-SVL
2.441" / 62.000mm	0.945" / 24.000mm	SPECIAL	Double Row Angular Contact		5000-KFF						

# Bearings by specifications

Ball Bearing (Cont.)						Ball Bearing (Cont.)					
Outside Diameter	Width	Series	Design	Type	Part Number	Outside Diameter	Width	Series	Design	Type	Part Number
<b>1.969" / 50.000mm Bore (Cont.)</b>						<b>2.362" / 60.000mm Bore (Cont.)</b>					
3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-1	210	4.331" / 110.000mm	0.866" / 22.000mm	200	Single Row Radial	A-11	212-SLV
3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-5	210-CC	5.118" / 130.000mm	1.221" / 31.000mm	300	Single Row Radial	A-1	312
3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-10	210-L	5.512" / 140.000mm	1.299" / 33.000mm	300	Single Row Radial	A-1	313-A
3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-3	210-SS	4.331" / 110.000mm	1.438" /	5200	Double Row Angular Contact		5212-KZZE
4.331" / 110.000mm	1.063" / 27.000mm	300	Single Row Radial	A-1	310	<b>2.559" / 65.000mm Bore</b>					
4.331" / 110.000mm	1.750" /	5300	Double Row Angular Contact	D-4	5310-WL	4.724" / 120.000mm	0.906" / 23.000mm	1200	Single Row Radial	B-4	1213-L
3.150" / 80.000mm	0.937" / 23.800mm	5200	Double Row Angular Contact		N-5210-KLB	4.724" / 120.000mm	0.906" / 23.000mm	1200	Single Row Radial	B-5	1213-SL
<b>2.165" / 55.000mm Bore</b>						4.724" / 120.000mm	0.906" / 23.000mm	200	Single Row Radial	A-1	213
3.543" / 90.000mm	0.709" / 18.000mm	100	Single Row Radial	A-1	111	<b>2.756" / 70.000mm Bore</b>					
3.543" / 90.000mm	0.709" / 18.000mm	100	Single Row Radial		111-G	4.921" / 125.000mm	0.945" / 24.000mm	1200	Single Row Radial	B-5	1214-SL
3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-1	1211	4.921" / 125.000mm	0.945" / 24.000mm	SPECIAL	Single Row Radial	A-10	214-LH
3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-4	1211-L	4.921" / 125.000mm	0.945" / 24.000mm	200	Single Row Radial	A-11	214-SL
3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-5	1211-SL	<b>3.250" / 82.550mm Bore</b>					
4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-4	1311-L	4.750" / 120.650mm	1.000" / 25.400mm	XLS	Single Row Radial	A-9	XLS-3-1/4-FFA
4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-2	1311-S	<b>3.500" / 88.900mm Bore</b>					
4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-5	1311-SL	5.000" / 127.000mm	0.750" / 19.050mm	XLS	Single Row Radial	A-1	XLS-3-1/2-AG
3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-1	211	<b>3.543" / 90.000mm Bore</b>					
3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-1	211-B	5.512" / 140.000mm	0.945" / 24.000mm	100	Single Row Radial	A-10	118-L
3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-11	211-SL	<b>3.740" / 95.001mm Bore</b>					
3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-3	211-SS	5.819" / 147.777mm	0.945" / 24.000mm	SPECIAL	Single Row Angular Contact	A-1	7119-TL
4.724" / 120.000mm	1.142" / 29.000mm	300	Single Row Radial	A-1	311	<b>3.750" / 95.250mm Bore</b>					
4.724" / 120.000mm	1.142" / 29.000mm	300	Single Row Radial	A-11	311-SL	5.250" / 133.350mm	0.750" / 19.050mm	XLS	Single Row Radial	A-1	XLS-3-3/4-G
<b>2.165" / 55.001mm Bore</b>						<b>4.331" / 110.000mm Bore</b>					
3.937" / 100.000mm	1.313" / 33.338mm	5200	Double Row Angular Contact	D-1	5211-W	6.693" / 170.000mm	1.102" / 28.000mm	SPECIAL	Single Row Radial	A-1	9122-KML
<b>2.165" / 55.000mm Bore</b>						6.000" / 152.400mm	0.750" / 19.050mm	SPECIAL		A-2	M-303
3.937" / 100.000mm	0.680" / 17.272mm	SPECIAL	Single Row Radial	B-4	N-1211-L	<b>4.500" / 114.300mm Bore</b>					
<b>2.187" / 55.550mm Bore</b>						6.249" / 158.725mm	0.875" / 22.225mm	XLS	Single Row Radial	A-1	XLS-4-1/2-G
4.724" / 120.000mm	2.187" / 55.550mm	SPECIAL	Non Loading Groove Type	A-5	8445	<b>4.750" / 120.650mm Bore</b>					
<b>2.362" / 60.000mm Bore</b>						6.500" / 165.100mm	0.875" / 22.225mm	XLS	Single Row Radial	A-1	XLS-4-3/4
4.331" / 110.000mm	0.866" / 22.000mm	1200	Single Row Radial	B-4	1212-L	<b>5.000" / 127.000mm Bore</b>					
4.331" / 110.000mm	0.866" / 22.000mm	1200	Single Row Radial	B-5	1212-SL	6.999" / 177.775mm	1.000" / 25.400mm	XLS	Single Row Radial	A-1	XLS-5
4.331" / 110.000mm	0.866" / 22.000mm	SPECIAL	Single Row Radial	B-5	1212-SLV	<b>5.118" / 130.000mm Bore</b>					
5.906" / 150.000mm	1.378" / 35.000mm	1400	Single Row Radial	B-4	1412-L	7.087" / 180.000mm	0.945" / 24.000mm	XLS	Single Row Radial	A-1	XLS-5-1/8-AS
4.331" / 110.000mm	0.866" / 22.000mm	200	Single Row Radial	A-1	212	<b>5.500" / 139.700mm Bore</b>					
						7.500" / 190.500mm	1.000" / 25.400mm	XLS	Single Row Radial	A-1	XLS-5-1/2

# Seals by part number

Oil Seal							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
100085	3.858" / 97.990mm	4.525" / 114.940mm	4.540" / 115.320mm	0.492" / 12.500mm	PTFE	FW-H	10X25X7	0.394" / 10.000mm	0.984" / 25.000mm	0.995" / 25.280mm	0.276" / 7.000mm	Nitrile	32
100086	1.880" / 47.750mm	3.169" / 80.490mm	3.176" / 80.670mm	0.480" / 12.190mm	Fluoro-Elastomer	72	10X26X7	0.394" / 10.000mm	1.024" / 26.000mm	1.033" / 26.230mm	0.276" / 7.000mm	Nitrile	32
100165	1.378" / 35.000mm	2.244" / 57.000mm	2.246" / 57.300mm	0.601" / 15.270mm	Nitrile	74	1108	1.378" / 35.000mm	1.890" / 48.000mm	1.906" / 48.400mm	0.276" / 7.000mm	Fluoro-Elastomer	32
100263	3.003" / 76.280mm	4.937" / 125.400mm	4.948" / 125.680mm	0.788" / 20.020mm	Fluoro-Elastomer	08	110X130X12	4.331" / 110.000mm	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32
100357	1.705" / 43.307mm	3.034" / 77.064mm	3.039" / 77.190mm	0.562" / 14.275mm	Fluoro-Elastomer	86	110X135X13	4.331" / 110.000mm	5.315" / 135.000mm	5.327" / 135.300mm	0.512" / 13.000mm	Nitrile	32
100470	2.129" / 54.080mm	2.835" / 72.010mm	2.846" / 72.290mm	0.323" / 8.200mm	PTFE	32	110X140X12	4.331" / 110.000mm	5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32
100494	3.253" / 82.630mm	4.249" / 107.920mm	4.260" / 108.200mm	0.635" / 16.130mm	Fluoro-Elastomer	08	110X140X13	4.331" / 110.000mm	5.512" / 140.000mm	5.521" / 140.230mm	0.512" / 13.000mm	Nitrile	32
100495	3.003" / 76.280mm	3.751" / 95.280mm	3.761" / 95.530mm	0.420" / 10.670mm	Fluoro-Elastomer	08	110X145X13	4.331" / 110.000mm	5.709" / 145.000mm	5.720" / 145.300mm	0.512" / 13.000mm	Nitrile	35
100537	1.811" / 46.000mm	2.874" / 73.000mm	2.881" / 73.177mm	0.472" / 12.000mm	Fluoro-Elastomer	74	110X150X12	4.331" / 110.000mm	5.906" / 150.000mm	5.911" / 150.140mm	0.472" / 12.000mm	Nitrile	35
100552	1.844" / 46.840mm	2.865" / 72.770mm	2.872" / 72.950mm	0.425" / 10.800mm	Fluoro-Elastomer	74	1120	1.496" / 38.000mm	2.087" / 53.000mm	2.098" / 53.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32
100557	3.253" / 82.630mm	5.500" / 139.700mm	5.507" / 139.878mm	0.635" / 16.130mm	Fluoro-Elastomer	08	1126	1.535" / 39.000mm	1.988" / 50.500mm	1.998" / 50.750mm	0.335" / 8.500mm	Nitrile	25
100712V	1.874" / 47.600mm	3.159" / 80.240mm	3.163" / 80.340mm	0.500" / 12.700mm	Fluoro-Elastomer	74	1129	1.181" / 30.000mm	1.575" / 40.000mm	1.585" / 40.250mm	0.276" / 7.000mm	Nitrile	35
100715V	1.874" / 47.600mm	3.159" / 80.240mm	3.163" / 80.340mm	0.500" / 12.700mm	Fluoro-Elastomer	85	1146	1.575" / 40.000mm	2.992" / 76.000mm	3.003" / 76.280mm	0.492" / 12.500mm	Polyacrylate	32
100716V	1.874" / 47.600mm	3.161" / 80.300mm	3.169" / 80.500mm	0.551" / 14.000mm	Fluoro-Elastomer	87	1147	1.378" / 35.000mm	2.992" / 76.000mm	3.003" / 76.280mm	0.354" / 9.000mm	Polyacrylate	40
100727	2.500" / 63.500mm	4.035" / 102.490mm	4.042" / 102.670mm	0.492" / 12.500mm	Fluoro-Elastomer	74	114X140X13	4.488" / 114.000mm	5.512" / 140.000mm	5.523" / 140.280mm	0.512" / 13.000mm	Nitrile	32
100796	2.160" / 54.860mm	2.973" / 75.510mm	2.979" / 75.670mm	0.421" / 10.693mm	Polyacrylate	79	115X140X12	4.528" / 115.000mm	5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32
100944	1.894" / 48.108mm	2.833" / 71.950mm	2.835" / 72.000mm	0.438" / 11.125mm	Nitrile	#	115X145X13	4.528" / 115.000mm	5.709" / 145.000mm	5.720" / 145.300mm	0.512" / 13.000mm	Nitrile	35
100X120X10	3.937" / 100.000mm	4.724" / 120.000mm	4.736" / 120.300mm	0.394" / 10.000mm	Nitrile	35	115X145X14	4.528" / 115.000mm	5.709" / 145.000mm	5.717" / 145.200mm	0.551" / 14.000mm	Nitrile	32
100X120X12	3.937" / 100.000mm	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32	115X150X12	4.528" / 115.000mm	5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	35
100X125X12	3.937" / 100.000mm	4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	32	1167	1.260" / 32.000mm	2.047" / 52.000mm	2.057" / 52.250mm	0.433" / 11.000mm	Polyacrylate	40
100X130X12	3.937" / 100.000mm	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	1172	1.378" / 35.000mm	1.850" / 47.000mm	1.866" / 47.400mm	0.276" / 7.000mm	Silicone	32
1012N	1.772" / 45.000mm	2.441" / 62.000mm	2.453" / 62.300mm	0.315" / 8.000mm	Nitrile	35	1173	1.378" / 35.000mm	2.638" / 67.000mm	2.648" / 67.270mm	0.472" / 12.000mm	Polyacrylate	40
1019	2.992" / 76.000mm	3.661" / 93.000mm	3.672" / 93.270mm	0.394" / 10.000mm	Silicone	32	1174	1.496" / 38.000mm	2.047" / 52.000mm	2.057" / 52.250mm	0.335" / 8.500mm	Nitrile	32
1021V	2.756" / 70.000mm	3.425" / 87.000mm	3.441" / 87.400mm	0.335" / 8.500mm	Fluoro-Elastomer	32	1176	1.496" / 38.000mm	2.559" / 65.000mm	2.570" / 65.270mm	0.472" / 12.000mm	Polyacrylate	#
1036	1.575" / 40.000mm	2.992" / 76.000mm	3.002" / 76.250mm	0.354" / 9.000mm	Nitrile	40	1177	1.496" / 38.000mm	2.913" / 74.000mm	2.924" / 74.270mm	0.433" / 11.000mm	Polyacrylate	32
1037	1.125" / 28.580mm	1.500" / 38.100mm	1.504" / 38.200mm	0.250" / 6.350mm	Nitrile	35	1180	1.614" / 41.000mm	2.165" / 55.000mm	2.177" / 55.290mm	0.276" / 7.000mm	Nitrile	32
1038	1.496" / 38.000mm	2.323" / 59.000mm	2.335" / 59.300mm	0.354" / 9.000mm	Polyacrylate	32	1183	1.693" / 43.000mm	2.165" / 55.000mm	2.175" / 55.250mm	0.315" / 8.000mm	Nitrile	34
1049	0.750" / 19.050mm	1.125" / 28.580mm	1.129" / 28.680mm	0.250" / 6.350mm	Nitrile	33	1188	1.890" / 48.000mm	2.441" / 62.000mm	2.451" / 62.250mm	0.236" / 6.000mm	Nitrile	34
105X125X13	4.134" / 105.000mm	4.921" / 125.000mm	4.932" / 125.280mm	0.512" / 13.000mm	Nitrile	32	1196	1.496" / 38.000mm	2.047" / 52.000mm	2.057" / 52.250mm	0.236" / 6.000mm	Nitrile	47
105X130X12	4.134" / 105.000mm	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32	11X17X4	0.433" / 11.000mm	0.669" / 17.000mm	0.679" / 17.250mm	0.157" / 4.000mm	Nitrile	32
105X140X12	4.134" / 105.000mm	5.512" / 140.000mm	5.523" / 140.280mm	0.472" / 12.000mm	Nitrile	32	11X26X7	0.433" / 11.000mm	1.024" / 26.000mm	1.035" / 26.280mm	0.276" / 7.000mm	Nitrile	35
10X19X7	0.394" / 10.000mm	0.748" / 19.000mm	0.756" / 19.200mm	0.276" / 7.000mm	Nitrile	32	11X30X7	0.433" / 11.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32
10X22X7	0.394" / 10.000mm	0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	32	1207N	2.165" / 55.000mm	2.913" / 74.000mm	2.917" / 74.100mm	0.236" / 6.000mm	Nitrile	49
10X24X7	0.394" / 10.000mm	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	35	1208	1.890" / 48.000mm	2.835" / 72.000mm	2.847" / 72.310mm	0.276" / 7.000mm	Nitrile	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
1209	1.969" / 50.000mm	2.559" / 65.000mm	2.572" / 65.330mm	0.335" / 8.500mm	Nitrile	35	140X170X12	5.512" / 140.000mm	6.693" / 170.000mm	6.705" / 170.300mm	0.472" / 12.000mm	Nitrile	32
120X140X13	4.724" / 120.000mm	5.512" / 140.000mm	5.523" / 140.280mm	0.512" / 13.000mm	Nitrile	32	140X170X15	5.512" / 140.000mm	6.693" / 170.000mm	6.710" / 170.430mm	0.591" / 15.000mm	Nitrile	32
120X145X12	4.724" / 120.000mm	5.709" / 145.000mm	5.720" / 145.280mm	0.472" / 12.000mm	Nitrile	35	140X180X12	5.512" / 140.000mm	7.087" / 180.000mm	7.098" / 180.300mm	0.472" / 12.000mm	Nitrile	35
120X150X12	4.724" / 120.000mm	5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	32	144X160X12	5.669" / 144.000mm	6.299" / 160.000mm	6.309" / 160.250mm	0.472" / 12.000mm	Nitrile	35
1213N	1.575" / 40.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.217" / 5.500mm	Polyacrylate	47	145X170X12	5.709" / 145.000mm	6.693" / 170.000mm	6.711" / 170.450mm	0.472" / 12.000mm	Nitrile	32
1215N	1.378" / 35.000mm	1.890" / 48.000mm	1.900" / 48.250mm	0.551" / 14.000mm	Polyacrylate	#	145X175X15	5.709" / 145.000mm	6.890" / 175.000mm	6.905" / 175.380mm	0.591" / 15.000mm	Nitrile	32
1216N	1.575" / 40.000mm	2.520" / 64.000mm	2.524" / 64.100mm	0.394" / 10.000mm	Polyacrylate	74	145X180X12	5.709" / 145.000mm	7.087" / 180.000mm	7.098" / 180.280mm	0.472" / 12.000mm	Nitrile	35
1217	1.575" / 40.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.354" / 9.000mm	Polyacrylate	35	148X170X15	5.827" / 148.000mm	6.693" / 170.000mm	6.704" / 170.280mm	0.591" / 15.000mm	Nitrile	35
125X150X12	4.921" / 125.000mm	5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	32	14X24X7	0.551" / 14.000mm	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32
125X155X12	4.921" / 125.000mm	6.102" / 155.000mm	6.110" / 155.200mm	0.472" / 12.000mm	Nitrile	32	14X25X5	0.551" / 14.000mm	0.984" / 25.000mm	0.993" / 25.230mm	0.197" / 5.000mm	Nitrile	32
125X160X12	4.921" / 125.000mm	6.299" / 160.000mm	6.310" / 160.280mm	0.472" / 12.000mm	Nitrile	32	14X26X7	0.551" / 14.000mm	1.024" / 26.000mm	1.033" / 26.230mm	0.276" / 7.000mm	Nitrile	32
125X170X15	4.921" / 125.000mm	6.693" / 170.000mm	6.701" / 170.200mm	0.591" / 15.000mm	Nitrile	32	14X27X7	0.551" / 14.000mm	1.063" / 27.000mm	1.071" / 27.200mm	0.276" / 7.000mm	Nitrile	32
127591	2.913" / 74.000mm	4.561" / 115.850mm	4.567" / 116.000mm	1.004" / 25.500mm	Polyacrylate	#	14X30X7	0.551" / 14.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32
127592	2.625" / 66.680mm	3.620" / 91.950mm	3.626" / 92.100mm	0.394" / 10.000mm	Nitrile	87	14X32X7	0.551" / 14.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	32
12X19X5	0.472" / 12.000mm	0.748" / 19.000mm	0.756" / 19.200mm	0.197" / 5.000mm	Nitrile	32	14X35X7	0.551" / 14.000mm	1.378" / 35.000mm	1.387" / 35.220mm	0.276" / 7.000mm	Nitrile	32
12X20X5	0.472" / 12.000mm	0.787" / 20.000mm	0.798" / 20.280mm	0.197" / 5.000mm	Nitrile	32	150X180X12	5.906" / 150.000mm	7.087" / 180.000mm	7.100" / 180.350mm	0.472" / 12.000mm	Nitrile	32
12X22X7	0.472" / 12.000mm	0.866" / 22.000mm	0.876" / 22.250mm	0.276" / 7.000mm	Nitrile	35	155X180X15	6.102" / 155.000mm	7.087" / 180.000mm	7.096" / 180.230mm	0.591" / 15.000mm	Nitrile	32
12X24X7	0.472" / 12.000mm	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32	15X25X5	0.591" / 15.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.197" / 5.000mm	Nitrile	32
12X26X6	0.472" / 12.000mm	1.024" / 26.000mm	1.031" / 26.200mm	0.236" / 6.000mm	Nitrile	35	15X25X6	0.591" / 15.000mm	0.984" / 25.000mm	0.994" / 25.250mm	0.236" / 6.000mm	Polyacrylate	32
12X28X7	0.472" / 12.000mm	1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	35	15X25X7	0.591" / 15.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.276" / 7.000mm	Nitrile	35
12X32X7	0.472" / 12.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	15X26X7	0.591" / 15.000mm	1.024" / 26.000mm	1.033" / 26.230mm	0.276" / 7.000mm	Nitrile	32
12X35X7	0.472" / 12.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Nitrile	32	15X28X7	0.591" / 15.000mm	1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	32
130X150X10	5.118" / 130.000mm	5.906" / 150.000mm	5.909" / 150.100mm	0.394" / 10.000mm	Nitrile	47	15X30X7	0.591" / 15.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32
130X160X12	5.118" / 130.000mm	6.299" / 160.000mm	6.310" / 160.280mm	0.472" / 12.000mm	Nitrile	32	15X32X7	0.591" / 15.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35
130X170X12	5.118" / 130.000mm	6.693" / 170.000mm	6.705" / 170.300mm	0.472" / 12.000mm	Nitrile	35	15X32X8	0.591" / 15.000mm	1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	32
130X170X15	5.118" / 130.000mm	6.693" / 170.000mm	6.704" / 170.280mm	0.591" / 15.000mm	Nitrile	32	15X35X7	0.591" / 15.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32
135X160X13	5.315" / 135.000mm	6.299" / 160.000mm	6.314" / 160.380mm	0.512" / 13.000mm	Nitrile	35	15X37X6	0.591" / 15.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.236" / 6.000mm	Nitrile	32
135X170X12	5.315" / 135.000mm	6.693" / 170.000mm	6.708" / 170.380mm	0.472" / 12.000mm	Nitrile	35	15X40X7	0.591" / 15.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32
138X152X12	5.433" / 138.000mm	5.984" / 152.000mm	5.988" / 152.100mm	0.472" / 12.000mm	Nitrile	47	160X185X10	6.299" / 160.000mm	7.283" / 185.000mm	7.297" / 185.350mm	0.394" / 10.000mm	Nitrile	35
13X22X6	0.512" / 13.000mm	0.866" / 22.000mm	0.874" / 22.200mm	0.236" / 6.000mm	Nitrile	32	160X190X15	6.299" / 160.000mm	7.480" / 190.000mm	7.494" / 190.350mm	0.591" / 15.000mm	Nitrile	32
13X26X7	0.512" / 13.000mm	1.024" / 26.000mm	1.031" / 26.200mm	0.276" / 7.000mm	Nitrile	32	160X200X12	6.299" / 160.000mm	7.874" / 200.000mm	7.882" / 200.200mm	0.472" / 12.000mm	Nitrile	32
13X28X7	0.512" / 13.000mm	1.102" / 28.000mm	1.110" / 28.200mm	0.276" / 7.000mm	Nitrile	32	160X200X15	6.299" / 160.000mm	7.874" / 200.000mm	7.882" / 200.200mm	0.591" / 15.000mm	Nitrile	32
13X30X7	0.512" / 13.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32	165X190X13	6.496" / 165.000mm	7.480" / 190.000mm	7.494" / 190.350mm	0.512" / 13.000mm	Nitrile	41
140X160X12	5.512" / 140.000mm	6.299" / 160.000mm	6.307" / 160.200mm	0.472" / 12.000mm	Nitrile	32	16X22X4	0.630" / 16.000mm	0.866" / 22.000mm	0.874" / 22.200mm	0.157" / 4.000mm	Nitrile	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
16X24X5	0.630" / 16.000mm	0.945" / 24.000mm	0.953" / 24.200mm	0.197" / 5.000mm	Nitrile	35	1932	2.205" / 56.000mm	2.677" / 68.000mm	2.682" / 68.280mm	0.197" / 5.000mm	Nitrile	49
16X24X6	0.630" / 16.000mm	0.945" / 24.000mm	0.953" / 24.200mm	0.236" / 6.000mm	Nitrile	32	1935	2.480" / 63.000mm	3.543" / 90.000mm	3.554" / 90.100mm	0.276" / 7.000mm	Nitrile	47
16X26X7	0.630" / 16.000mm	1.024" / 26.000mm	1.031" / 26.200mm	0.276" / 7.000mm	Nitrile	32	1936	1.929" / 49.000mm	2.520" / 64.000mm	2.531" / 64.280mm	0.236" / 6.000mm	Nitrile	#
16X28X7	0.630" / 16.000mm	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Nitrile	32	1938	1.772" / 45.000mm	2.520" / 64.000mm	2.530" / 64.250mm	0.256" / 6.500mm	Nitrile	#
16X30X7	0.630" / 16.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	1940	1.378" / 35.000mm	1.953" / 49.600mm	1.961" / 49.800mm	0.433" / 11.000mm	Polyacrylate	88
16X32X7	0.630" / 16.000mm	1.260" / 32.000mm	1.271" / 32.280mm	0.276" / 7.000mm	Nitrile	32	1941	1.969" / 50.000mm	3.051" / 77.500mm	3.071" / 77.700mm	0.354" / 9.000mm	Nitrile	47
16X35X7	0.630" / 16.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	1948	1.969" / 50.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	35
16X38X7	0.630" / 16.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	35	1949	1.890" / 48.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.276" / 7.000mm	Nitrile	48
16X40X7	0.630" / 16.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32	1950	1.614" / 41.000mm	2.087" / 53.000mm	2.096" / 53.250mm	0.276" / 7.000mm	Nitrile	41
170X200X15	6.693" / 170.000mm	7.874" / 200.000mm	7.888" / 200.350mm	0.591" / 15.000mm	Nitrile	32	1953	1.654" / 42.000mm	2.362" / 60.000mm	2.371" / 60.220mm	0.276" / 7.000mm	Polyacrylate	32
170X210X15	6.693" / 170.000mm	8.268" / 210.000mm	8.276" / 210.200mm	0.591" / 15.000mm	Nitrile	32	1955	2.047" / 52.000mm	2.559" / 65.000mm	2.571" / 65.300mm	0.354" / 9.000mm	Nitrile	35
175X200X15	6.890" / 175.000mm	7.874" / 200.000mm	7.888" / 200.350mm	0.591" / 15.000mm	Nitrile	32	1956	1.890" / 48.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.354" / 9.000mm	Nitrile	#
17X27X7	0.669" / 17.000mm	1.063" / 27.000mm	1.071" / 27.200mm	0.276" / 7.000mm	Nitrile	32	1959	1.874" / 47.600mm	2.781" / 70.600mm	2.789" / 70.800mm	0.354" / 9.000mm	Nitrile	32
17X28X7	0.669" / 17.000mm	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Nitrile	35	1960	1.969" / 50.000mm	2.756" / 70.000mm	2.765" / 70.230mm	0.354" / 9.000mm	Nitrile	47
17X30X7	0.669" / 17.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	1962	1.575" / 40.000mm	2.047" / 52.000mm	2.052" / 52.120mm	0.295" / 7.500mm	Nitrile	78
17X32X7	0.669" / 17.000mm	1.260" / 32.000mm	1.269" / 32.220mm	0.276" / 7.000mm	Nitrile	32	1965	1.417" / 36.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Fluoro-Elastomer	48
17X35X7	0.669" / 17.000mm	1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	35	1973	1.890" / 48.000mm	2.559" / 65.000mm	2.571" / 65.300mm	0.315" / 8.000mm	Nitrile	25
17X35X8	0.669" / 17.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	35	1974	1.969" / 50.000mm	2.638" / 67.000mm	2.648" / 67.270mm	0.433" / 11.000mm	Nitrile	97
17X37X7	0.669" / 17.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	1979	1.772" / 45.000mm	2.953" / 75.000mm	2.957" / 75.100mm	0.472" / 12.000mm	Polyacrylate	47
17X38X7	0.669" / 17.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	1981	1.181" / 30.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Nitrile	35
17X40X7	0.669" / 17.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	1986	2.835" / 72.000mm	3.465" / 88.000mm	3.474" / 88.250mm	0.315" / 8.000mm	Nitrile	48
17X47X7	0.669" / 17.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	1987	1.378" / 35.000mm	1.929" / 49.000mm	1.937" / 49.200mm	0.236" / 6.000mm	Polyacrylate	33
17X47X8	0.669" / 17.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Nitrile	32	1989	1.126" / 28.600mm	1.693" / 43.000mm	1.699" / 43.150mm	0.256" / 6.500mm	Nitrile	47
180X210X15	7.087" / 180.000mm	8.268" / 210.000mm	8.281" / 210.350mm	0.591" / 15.000mm	Nitrile	32	1990	1.063" / 27.000mm	1.693" / 43.000mm	1.703" / 43.250mm	0.354" / 9.000mm	Polyacrylate	32
185X210X13	7.283" / 185.000mm	8.268" / 210.000mm	8.281" / 210.350mm	0.512" / 13.000mm	Nitrile	35	1992	1.772" / 45.000mm	2.559" / 65.000mm	2.563" / 65.100mm	0.197" / 5.000mm	Nitrile	47
18X30X7	0.709" / 18.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	32	1993	2.205" / 56.000mm	2.874" / 73.000mm	2.885" / 73.280mm	0.492" / 12.500mm	Nitrile	47
18X32X7	0.709" / 18.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35	1994	1.890" / 48.000mm	2.756" / 70.000mm	2.767" / 70.280mm	0.394" / 10.000mm	Nitrile	32
18X32X8	0.709" / 18.000mm	1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	32	1999	1.625" / 41.280mm	2.251" / 57.180mm	2.255" / 57.280mm	0.375" / 9.530mm	Nitrile	48
18X35X7	0.709" / 18.000mm	1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	32	19X27X6	0.748" / 19.000mm	1.063" / 27.000mm	1.071" / 27.200mm	0.236" / 6.000mm	Nitrile	35
18X37X8	0.709" / 18.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.315" / 8.000mm	Nitrile	32	19X30X7	0.748" / 19.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Nitrile	32
18X38X7	0.709" / 18.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	19X32X7	0.748" / 19.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.276" / 7.000mm	Nitrile	35
18X40X7	0.709" / 18.000mm	1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	32	19X32X8	0.748" / 19.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.315" / 8.000mm	Nitrile	32
190X230X16	7.480" / 190.000mm	9.055" / 230.000mm	9.063" / 230.200mm	0.630" / 16.000mm	Nitrile	32	19X40X10	0.748" / 19.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.394" / 10.000mm	Nitrile	35
1928	2.244" / 57.000mm	3.189" / 81.000mm	3.193" / 81.100mm	0.315" / 8.000mm	Nitrile	47	19X47X7	0.748" / 19.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
200110	2.058" / 52.270mm	3.149" / 79.980mm	3.154" / 80.110mm	0.270" / 6.860mm	Nitrile	200	2011	1.575" / 40.000mm	2.953" / 75.000mm	2.963" / 75.260mm	0.472" / 12.000mm	Polyacrylate	40
200133	3.000" / 76.200mm	4.524" / 114.910mm	4.600" / 116.840mm	0.433" / 11.000mm	Nitrile	200E	2012V	1.673" / 42.500mm	2.146" / 54.500mm	2.157" / 54.800mm	0.236" / 6.000mm	Fluoro-Elastomer	32
2002	2.126" / 54.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.492" / 12.500mm	Nitrile	47	2016	1.181" / 30.000mm	1.772" / 45.000mm	1.780" / 45.200mm	0.591" / 15.000mm	Nitrile	#
200322	2.953" / 75.000mm	4.724" / 120.000mm	4.729" / 120.120mm	0.320" / 8.130mm	Nitrile	200	2025	1.654" / 42.000mm	2.362" / 60.000mm	2.379" / 60.420mm	0.276" / 7.000mm	Fluoro-Elastomer	32
200335	1.750" / 44.450mm	2.623" / 66.620mm	2.627" / 66.730mm	0.290" / 7.370mm	Nitrile	200	2027	0.591" / 15.000mm	0.945" / 24.000mm	0.953" / 24.200mm	0.197" / 5.000mm	Nitrile	35
200338	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.290" / 7.370mm	Nitrile	200	203002	1.750" / 44.450mm	2.717" / 69.010mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	203
200339	2.000" / 50.800mm	2.875" / 73.030mm	2.879" / 73.130mm	0.290" / 7.370mm	Nitrile	200	203003	1.125" / 28.580mm	1.937" / 49.200mm	1.942" / 49.330mm	0.562" / 14.270mm	Nitrile	203
200354	1.750" / 44.450mm	2.718" / 69.040mm	2.722" / 69.140mm	0.359" / 9.120mm	Nitrile	200	203005	1.000" / 25.400mm	1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	203
200371	1.945" / 49.400mm	2.891" / 73.430mm	2.895" / 73.530mm	0.290" / 7.370mm	Nitrile	200	203006	1.812" / 46.020mm	2.561" / 65.050mm	2.566" / 65.180mm	0.500" / 12.700mm	Nitrile	203
200392	2.625" / 66.680mm	3.813" / 96.850mm	3.818" / 96.980mm	0.415" / 10.540mm	Nitrile	200	203008	1.687" / 42.850mm	2.327" / 59.110mm	2.332" / 59.230mm	0.500" / 12.700mm	Nitrile	203
2003N	1.417" / 36.000mm	2.165" / 55.000mm	2.169" / 55.090mm	0.437" / 11.100mm	Nitrile	47	203012	1.250" / 31.750mm	1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	203
200600	1.750" / 44.450mm	2.786" / 70.760mm	2.876" / 73.050mm	0.285" / 7.240mm	Nitrile	200E	203013	1.500" / 38.100mm	2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	203
200640	1.562" / 39.670mm	2.531" / 64.290mm	2.621" / 66.570mm	0.285" / 7.240mm	Nitrile	200E	203015	1.750" / 44.450mm	2.562" / 65.070mm	2.566" / 65.180mm	0.500" / 12.700mm	Nitrile	203
200641	1.625" / 41.280mm	2.462" / 62.530mm	2.467" / 62.660mm	0.250" / 6.350mm	Nitrile	200E	203016	1.218" / 30.940mm	1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	203
200642	4.750" / 120.650mm	6.002" / 152.450mm	6.092" / 154.740mm	0.285" / 7.240mm	Nitrile	200	203020	1.125" / 28.580mm	1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	203
200752	1.873" / 47.570mm	2.717" / 69.000mm	2.806" / 71.270mm	0.281" / 7.140mm	Nitrile	200E	203025	1.218" / 30.940mm	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	203
200763	2.250" / 57.150mm	3.249" / 82.520mm	3.250" / 82.550mm	0.285" / 7.240mm	Nitrile	200E	203029	1.250" / 31.750mm	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	203
2007N	1.378" / 35.000mm	2.205" / 56.000mm	2.217" / 56.300mm	0.354" / 9.000mm	Nitrile	40	203034	1.875" / 47.630mm	2.995" / 76.070mm	3.000" / 76.200mm	0.437" / 11.100mm	Nitrile	203
2008	1.260" / 32.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Nitrile	#	204002	1.750" / 44.450mm	2.717" / 69.000mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	204
200851	2.496" / 63.400mm	3.672" / 93.270mm	3.772" / 95.810mm	0.315" / 8.000mm	Nitrile	200E	204005	1.000" / 25.400mm	1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	204
200854	1.750" / 44.450mm	2.718" / 69.040mm	2.728" / 69.290mm	0.294" / 7.470mm	Nitrile	200E	204008	1.687" / 42.850mm	2.327" / 59.110mm	2.332" / 59.230mm	0.500" / 12.700mm	Nitrile	204
200855	2.375" / 60.330mm	3.471" / 88.160mm	3.616" / 91.850mm	0.290" / 7.370mm	Nitrile	200E	204013	1.500" / 38.100mm	2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204
200859	1.500" / 38.100mm	2.256" / 57.300mm	2.260" / 57.400mm	0.270" / 6.860mm	Nitrile	200E	204017	1.625" / 41.280mm	2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204
200861	1.500" / 38.100mm	2.462" / 62.530mm	2.482" / 63.040mm	0.290" / 7.370mm	Nitrile	200E	204020	1.125" / 28.580mm	1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Nitrile	204
200865	2.065" / 52.450mm	3.125" / 79.380mm	3.130" / 79.500mm	0.294" / 7.470mm	Nitrile	200E	204027	1.375" / 34.930mm	2.327" / 59.110mm	2.332" / 59.230mm	0.406" / 10.310mm	Nitrile	204
200870	3.249" / 82.520mm	4.468" / 113.490mm	4.488" / 114.000mm	0.318" / 8.080mm	Nitrile	200E	204029	1.250" / 31.750mm	1.979" / 50.270mm	1.983" / 50.370mm	0.406" / 10.310mm	Nitrile	204
200881	2.000" / 50.800mm	2.804" / 71.220mm	2.824" / 71.730mm	0.294" / 7.470mm	Nitrile	200E	204035	2.296" / 58.320mm	3.148" / 79.960mm	3.153" / 80.090mm	0.359" / 9.120mm	Nitrile	204
200885	1.991" / 50.570mm	2.900" / 73.660mm	2.975" / 75.570mm	0.290" / 7.370mm	Nitrile	200E	204038	1.750" / 44.450mm	2.717" / 69.000mm	2.721" / 69.110mm	0.359" / 9.120mm	Nitrile	204
200886	1.687" / 42.850mm	2.650" / 67.310mm	2.725" / 69.220mm	0.290" / 7.370mm	Nitrile	200E	2043	1.940" / 49.280mm	2.762" / 70.150mm	2.766" / 70.260mm	0.500" / 12.700mm	Nitrile	47
200887	1.562" / 39.670mm	2.237" / 56.820mm	2.257" / 57.330mm	0.290" / 7.370mm	Nitrile	200E	204500	1.625" / 41.280mm	2.562" / 65.070mm	2.566" / 65.180mm	0.250" / 6.350mm	Nitrile	4S
200895	1.751" / 44.480mm	2.533" / 64.340mm	2.608" / 66.240mm	0.290" / 7.370mm	Nitrile	200E	204501	1.750" / 44.450mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	204
2009	1.496" / 38.000mm	2.480" / 63.000mm	2.485" / 63.120mm	0.394" / 10.000mm	Polyacrylate	#	204502	1.750" / 44.450mm	2.561" / 65.050mm	2.565" / 65.150mm	0.250" / 6.350mm	Nitrile	204
200912	1.750" / 44.450mm	2.630" / 66.800mm	2.930" / 74.420mm	0.290" / 7.370mm	Nitrile	200E	204503	1.750" / 44.450mm	2.374" / 60.300mm	2.379" / 60.430mm	0.250" / 6.350mm	Nitrile	204
200X230X15	7.874" / 200.000mm	9.055" / 230.000mm	9.069" / 230.350mm	0.591" / 15.000mm	Nitrile	32	204505	1.125" / 28.580mm	1.780" / 45.210mm	1.785" / 45.340mm	0.250" / 6.350mm	Nitrile	204

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
204506	2.000" / 50.800mm	3.623" / 92.020mm	3.628" / 92.150mm	0.250" / 6.350mm	Nitrile	204	220860	0.315" / 8.000mm	0.630" / 16.000mm	0.638" / 16.200mm	0.276" / 7.000mm	Nitrile	35
204507	1.250" / 31.750mm	1.979" / 50.270mm	1.983" / 50.370mm	0.250" / 6.350mm	Nitrile	204	220918	0.354" / 9.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	35
204508	2.000" / 50.800mm	3.062" / 77.770mm	3.066" / 77.880mm	0.250" / 6.350mm	Nitrile	204	220X250X15	8.661" / 220.000mm	9.843" / 250.000mm	9.856" / 250.350mm	0.591" / 15.000mm	Nitrile	35
204509	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.250" / 6.350mm	Nitrile	204	221040	0.394" / 10.000mm	0.748" / 19.000mm	0.756" / 19.200mm	0.276" / 7.000mm	Nitrile	35
205004	1.125" / 28.580mm	1.937" / 49.200mm	1.942" / 49.330mm	0.625" / 15.880mm	Felt	205	221122	0.433" / 11.000mm	0.866" / 22.000mm	0.875" / 22.230mm	0.276" / 7.000mm	Nitrile	35
205005	1.000" / 25.400mm	1.780" / 45.210mm	1.785" / 45.340mm	0.468" / 11.890mm	Felt	205	221207	0.472" / 12.000mm	0.866" / 22.000mm	0.876" / 22.250mm	0.276" / 7.000mm	Nitrile	35
205015	1.750" / 44.450mm	2.562" / 65.070mm	2.566" / 65.180mm	0.500" / 12.700mm	Felt	205	221410	0.551" / 14.000mm	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	35
205017	1.625" / 41.280mm	2.328" / 59.130mm	2.332" / 59.230mm	0.406" / 10.310mm	Felt	205	221510	0.591" / 15.000mm	0.984" / 25.000mm	0.994" / 25.250mm	0.236" / 6.000mm	Polyacrylate	32
205035	2.296" / 58.320mm	3.148" / 79.960mm	3.153" / 80.090mm	0.359" / 9.120mm	Felt	205	221540	0.591" / 15.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	35
205044	2.000" / 50.800mm	2.964" / 75.290mm	2.968" / 75.390mm	0.500" / 12.700mm	Felt	205	221607	0.630" / 16.000mm	1.063" / 27.000mm	1.071" / 27.200mm	0.551" / 14.000mm	Polyacrylate	35
2055	3.468" / 88.090mm	4.626" / 117.500mm	4.631" / 117.630mm	0.625" / 15.880mm	Nitrile	47	221610	0.630" / 16.000mm	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Polyacrylate	32
2064	4.166" / 105.820mm	5.625" / 142.880mm	6.800" / 172.720mm	0.210" / 5.330mm	Nitrile	#	221620	0.630" / 16.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 7.000mm	Nitrile	35
2081	2.843" / 72.210mm	3.939" / 100.050mm	3.944" / 100.180mm	0.495" / 12.570mm	Nitrile	41	221710	0.669" / 17.000mm	1.102" / 28.000mm	1.111" / 28.230mm	0.276" / 7.000mm	Polyacrylate	35
20X28X6	0.787" / 20.000mm	1.102" / 28.000mm	1.110" / 28.200mm	0.236" / 6.000mm	Nitrile	32	221720	0.669" / 17.000mm	1.181" / 30.000mm	1.190" / 30.230mm	0.276" / 8.000mm	Nitrile	32
20X30X5	0.787" / 20.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.197" / 5.000mm	Nitrile	35	221730	0.669" / 17.000mm	1.260" / 32.000mm	1.269" / 32.220mm	0.276" / 7.000mm	Nitrile	35
20X32X7	0.787" / 20.000mm	1.260" / 32.000mm	1.269" / 32.230mm	0.276" / 7.000mm	Nitrile	32	221735	0.669" / 17.000mm	1.378" / 35.000mm	1.385" / 35.180mm	0.276" / 7.000mm	Nitrile	35
20X35X7	0.787" / 20.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	221820	0.709" / 18.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Polyacrylate	32
20X36X7	0.787" / 20.000mm	1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Nitrile	32	221830	0.709" / 18.000mm	1.260" / 32.000mm	1.269" / 32.220mm	0.315" / 8.000mm	Nitrile	35
20X37X7	0.787" / 20.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	221922	0.748" / 19.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.315" / 8.000mm	Nitrile	32
20X38X7	0.787" / 20.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	222020	0.787" / 20.000mm	1.260" / 32.000mm	1.269" / 32.230mm	0.197" / 5.000mm	Nitrile	35
20X40X7	0.787" / 20.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	222025	0.787" / 20.000mm	1.181" / 30.000mm	1.189" / 30.200mm	0.276" / 7.000mm	Polyacrylate	32
20X42X10	0.787" / 20.000mm	1.654" / 42.000mm	1.659" / 42.150mm	0.394" / 10.000mm	Nitrile	45	222028	0.787" / 20.000mm	1.339" / 34.000mm	1.348" / 34.250mm	0.276" / 7.000mm	Nitrile	32
20X42X7	0.787" / 20.000mm	1.654" / 42.000mm	1.663" / 42.250mm	0.276" / 7.000mm	Nitrile	32	222030	0.787" / 20.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32
20X47X7	0.787" / 20.000mm	1.850" / 47.000mm	1.859" / 47.220mm	0.276" / 7.000mm	Nitrile	32	222036	0.787" / 20.000mm	1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
20X52X7	0.787" / 20.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	222050	0.787" / 20.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35
210945	1.750" / 44.450mm	3.371" / 85.620mm	3.376" / 85.750mm	0.625" / 15.880mm	Nitrile	21	222060	0.787" / 20.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35
210X240X15	8.268" / 210.000mm	9.449" / 240.000mm	9.463" / 240.350mm	0.591" / 15.000mm	Nitrile	35	222238	0.866" / 22.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Nitrile	32
210X250X15	8.268" / 210.000mm	9.843" / 250.000mm	9.850" / 250.200mm	0.591" / 15.000mm	Nitrile	32	222240	0.866" / 22.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35
2146	1.687" / 42.850mm	2.560" / 65.020mm	2.579" / 65.510mm	0.375" / 9.530mm	Nitrile	#	222340	0.905" / 23.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Polyacrylate	32
215271	5.000" / 127.000mm	5.999" / 152.370mm	6.007" / 152.580mm	0.937" / 23.800mm	Nitrile	21	222410	0.945" / 24.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	35
2194	1.500" / 38.100mm	2.372" / 60.250mm	2.376" / 60.350mm	0.350" / 8.890mm	Polyacrylate	88	222430	0.945" / 24.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	35
21X35X7	0.827" / 21.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Nitrile	32	222535	0.984" / 25.000mm	1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32
21X35X8	0.827" / 21.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	32	222540	0.984" / 25.000mm	1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	47
220818	0.315" / 8.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	32	222558	0.984" / 25.000mm	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Nitrile	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
222630	1.024" / 26.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Polyacrylate	32	223543	1.378" / 35.000mm	2.205" / 56.000mm	2.215" / 56.270mm	0.394" / 10.000mm	Nitrile	32
222655	1.024" / 26.000mm	1.890" / 48.000mm	1.899" / 48.230mm	0.276" / 7.000mm	Nitrile	32	223550	1.378" / 35.000mm	2.283" / 58.000mm	2.287" / 58.100mm	0.394" / 10.000mm	Nitrile	45
222742	1.063" / 27.000mm	1.654" / 42.000mm	1.657" / 42.100mm	0.276" / 7.000mm	Fluoro-Elastomer	48	223552	1.378" / 35.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.374" / 9.500mm	Nitrile	32
222743	1.063" / 27.000mm	1.693" / 43.000mm	1.701" / 43.200mm	0.354" / 9.000mm	Silicone	32	223553	1.378" / 35.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.354" / 9.000mm	Polyacrylate	40
222745	1.063" / 27.000mm	1.772" / 45.000mm	1.781" / 45.250mm	0.354" / 9.000mm	Polyacrylate	32	223580	1.378" / 35.000mm	2.677" / 68.000mm	2.683" / 68.160mm	0.354" / 9.000mm	Nitrile	40
222820	1.102" / 28.000mm	1.575" / 40.000mm	1.588" / 40.340mm	0.276" / 7.000mm	Nitrile	33	223601	1.417" / 36.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35
222830	1.102" / 28.000mm	1.614" / 41.000mm	1.625" / 41.270mm	0.276" / 7.000mm	Polyacrylate	32	223602	1.417" / 36.000mm	1.929" / 49.000mm	1.940" / 49.280mm	0.276" / 7.000mm	Silicone	32
222835	1.102" / 28.000mm	1.732" / 44.000mm	1.740" / 44.200mm	0.236" / 6.000mm	Polyacrylate	32	223605	1.417" / 36.000mm	1.969" / 50.000mm	1.972" / 50.080mm	0.276" / 7.000mm	Nitrile	47
222860	1.102" / 28.000mm	1.850" / 47.000mm	1.859" / 47.220mm	0.315" / 8.000mm	Polyacrylate	32	223608	1.417" / 36.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.394" / 10.000mm	Nitrile	32
223005	1.181" / 30.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	48	223750	1.457" / 37.000mm	1.969" / 50.000mm	1.978" / 50.250mm	0.236" / 6.000mm	Polyacrylate	32
223010	1.181" / 30.000mm	1.654" / 42.000mm	1.662" / 42.210mm	0.276" / 7.000mm	Polyacrylate	32	223800	1.496" / 38.000mm	1.969" / 50.000mm	1.980" / 50.280mm	0.413" / 10.500mm	Polyacrylate	32
223012	1.181" / 30.000mm	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Polyacrylate	32	223801	1.496" / 38.000mm	1.969" / 50.000mm	1.980" / 50.280mm	0.236" / 6.000mm	Nitrile	32
223014	1.181" / 30.000mm	1.772" / 45.000mm	1.780" / 45.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32	223802	1.496" / 38.000mm	1.969" / 50.000mm	1.977" / 50.220mm	0.315" / 8.000mm	Polyacrylate	32
223018	1.181" / 30.000mm	1.811" / 46.000mm	1.820" / 46.230mm	0.276" / 7.000mm	Nitrile	32	223805	1.496" / 38.000mm	1.850" / 47.000mm	1.854" / 47.100mm	0.276" / 7.000mm	Nitrile	25
223020	1.181" / 30.000mm	1.850" / 47.000mm	1.860" / 47.250mm	0.276" / 7.000mm	Nitrile	35	223822	1.496" / 38.000mm	2.087" / 53.000mm	2.098" / 53.300mm	0.315" / 8.000mm	Nitrile	32
223035	1.181" / 30.000mm	2.047" / 52.000mm	2.054" / 52.180mm	0.276" / 7.000mm	Nitrile	35	223830	1.496" / 38.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Polyacrylate	32
223050	1.181" / 30.000mm	1.969" / 50.000mm	1.978" / 50.230mm	0.354" / 9.000mm	Nitrile	32	223831	1.496" / 38.000mm	2.165" / 55.000mm	2.175" / 55.250mm	0.354" / 9.000mm	Polyacrylate	32
223051	1.181" / 30.000mm	1.969" / 50.000mm	1.978" / 50.230mm	0.354" / 9.000mm	Polyacrylate	32	223840	1.496" / 38.000mm	2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Nitrile	47
223215	1.260" / 32.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.394" / 10.000mm	Nitrile	40	223842	1.496" / 38.000mm	2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Fluoro-Elastomer	48
223220	1.260" / 32.000mm	1.732" / 44.000mm	1.741" / 44.230mm	0.236" / 6.000mm	Polyacrylate	32	223843	1.496" / 38.000mm	2.362" / 60.000mm	2.376" / 60.350mm	0.315" / 8.000mm	Nitrile	35
223230	1.260" / 32.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Polyacrylate	32	224010	1.575" / 40.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	35
223235	1.260" / 32.000mm	1.811" / 46.000mm	1.820" / 46.230mm	0.236" / 6.000mm	Polyacrylate	32	224015	1.575" / 40.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32
223240	1.260" / 32.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.354" / 9.000mm	Polyacrylate	40	224020	1.575" / 40.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.3150" / 8.000mm	Polyacrylate	32
223252	1.260" / 32.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.433" / 11.000mm	Polyacrylate	32	224025	1.575" / 40.000mm	2.205" / 56.000mm	2.215" / 56.250mm	0.276" / 7.000mm	Polyacrylate	48
223253	1.260" / 32.000mm	2.087" / 53.000mm	2.098" / 53.280mm	0.276" / 7.000mm	Polyacrylate	32	224026	1.575" / 40.000mm	2.205" / 56.000mm	2.215" / 56.260mm	0.276" / 7.000mm	Fluoro-Elastomer	35
223255	1.260" / 32.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	35	224040	1.575" / 40.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.394" / 10.000mm	Nitrile	35
223340	1.299" / 33.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Nitrile	32	224045	1.575" / 40.000mm	2.441" / 62.000mm	2.452" / 62.270mm	0.433" / 11.000mm	Nitrile	32
223400	1.339" / 34.000mm	1.732" / 44.000mm	1.741" / 44.230mm	0.315" / 8.000mm	Polyacrylate	32	224052	1.575" / 40.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32
223420	1.339" / 34.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	224053	1.575" / 40.000mm	2.047" / 52.000mm	2.052" / 52.120mm	0.276" / 7.000mm	Fluoro-Elastomer	32
223510	1.378" / 35.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35	224063	1.575" / 40.000mm	2.480" / 63.000mm	2.492" / 63.300mm	0.315" / 8.000mm	Polyacrylate	40
223520	1.378" / 35.000mm	1.969" / 50.000mm	1.978" / 50.240mm	0.315" / 8.000mm	Nitrile	35	224066	1.575" / 40.000mm	2.598" / 66.000mm	2.610" / 66.300mm	0.315" / 8.000mm	Polyacrylate	40
223535	1.378" / 35.000mm	2.047" / 52.000mm	2.052" / 52.130mm	0.315" / 8.000mm	Nitrile	33	224068	1.575" / 40.000mm	2.677" / 68.000mm	2.681" / 68.100mm	0.354" / 9.000mm	Polyacrylate	40
223540	1.378" / 35.000mm	2.165" / 55.000mm	2.183" / 55.450mm	0.315" / 9.000mm	Polyacrylate	40	224100	1.575" / 40.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	35
223542	1.378" / 35.000mm	2.165" / 55.000mm	2.174" / 55.230mm	0.433" / 11.000mm	Polyacrylate	32	224200	1.654" / 42.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
224205	1.654" / 42.000mm	2.165" / 55.000mm	2.178" / 55.330mm	0.315" / 8.000mm	Polyacrylate	32	225030	1.969" / 50.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35
224210	1.654" / 42.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	35	225040	1.969" / 50.000mm	2.835" / 72.000mm	2.848" / 72.350mm	0.472" / 12.000mm	Nitrile	32
224215	1.654" / 42.000mm	2.283" / 58.000mm	2.294" / 58.280mm	0.315" / 8.000mm	Polyacrylate	32	225050	1.969" / 50.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	35
224235	1.654" / 42.000mm	2.283" / 58.000mm	2.291" / 58.180mm	0.276" / 7.000mm	Nitrile	48	225082	1.969" / 50.000mm	3.228" / 82.000mm	3.235" / 82.180mm	0.315" / 8.000mm	Nitrile	#
224250	1.654" / 42.000mm	2.441" / 62.000mm	2.452" / 62.270mm	0.315" / 8.000mm	Nitrile	35	225110	2.008" / 51.000mm	2.559" / 65.000mm	2.563" / 65.100mm	0.276" / 7.000mm	Nitrile	47
224252	1.654" / 42.000mm	2.441" / 62.000mm	2.452" / 62.270mm	0.394" / 10.000mm	Nitrile	32	225210	2.047" / 52.000mm	2.598" / 66.000mm	2.607" / 66.230mm	0.354" / 9.000mm	Polyacrylate	35
224255	1.654" / 42.000mm	2.559" / 65.000mm	2.565" / 65.150mm	0.394" / 10.000mm	Polyacrylate	47	225220	2.047" / 52.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	32
224266	1.654" / 42.000mm	2.598" / 66.000mm	2.609" / 66.280mm	0.394" / 10.000mm	Nitrile	32	225225	2.047" / 52.000mm	2.756" / 70.000mm	2.767" / 70.270mm	0.315" / 8.000mm	Nitrile	47
224270	1.654" / 42.000mm	2.835" / 72.000mm	2.845" / 72.270mm	0.394" / 10.000mm	Nitrile	32	225230	2.047" / 52.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35
224400	1.693" / 43.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.256" / 6.500mm	Nitrile	25	225275	2.047" / 52.000mm	2.953" / 75.000mm	2.957" / 75.110mm	0.295" / 7.500mm	Nitrile	66
224450	1.732" / 44.000mm	2.323" / 59.000mm	2.332" / 59.230mm	0.268" / 6.800mm	Polyacrylate	35	225410	2.126" / 54.000mm	2.598" / 66.000mm	2.607" / 66.230mm	0.295" / 7.500mm	Nitrile	#
224460	1.732" / 44.000mm	2.362" / 60.000mm	2.373" / 60.280mm	0.276" / 7.000mm	Nitrile	32	225450	2.126" / 54.000mm	3.228" / 82.000mm	3.240" / 82.300mm	0.394" / 10.000mm	Nitrile	32
224462	1.732" / 44.000mm	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32	225500	2.165" / 55.000mm	2.677" / 68.000mm	2.689" / 68.300mm	0.315" / 8.000mm	Nitrile	32
224464	1.732" / 44.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	32	225530	2.165" / 55.000mm	2.835" / 72.000mm	2.844" / 72.250mm	0.315" / 8.000mm	Nitrile	35
224465	1.732" / 44.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.433" / 11.000mm	Nitrile	32	225535	2.165" / 55.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.413" / 10.500mm	Nitrile	32
224510	1.772" / 45.000mm	2.283" / 58.000mm	2.295" / 58.300mm	0.295" / 7.500mm	Nitrile	32	225545	2.165" / 55.000mm	2.953" / 75.000mm	2.967" / 75.350mm	0.433" / 11.000mm	Nitrile	35
224520	1.772" / 45.000mm	2.362" / 60.000mm	2.372" / 60.250mm	0.394" / 10.000mm	Nitrile	35	225673	2.205" / 56.000mm	2.874" / 73.000mm	2.879" / 73.126mm	0.295" / 7.500mm	Nitrile	76
224560	1.772" / 45.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Nitrile	32	225678	2.205" / 56.000mm	3.071" / 78.000mm	3.082" / 78.280mm	0.299" / 7.600mm	Nitrile	#
224570	1.772" / 45.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.472" / 12.000mm	Nitrile	35	225875	2.283" / 58.000mm	2.953" / 75.000mm	2.964" / 75.280mm	0.354" / 9.000mm	Nitrile	32
224650	1.811" / 46.000mm	2.283" / 58.000mm	2.294" / 58.280mm	0.276" / 7.000mm	Polyacrylate	32	225885	2.205" / 56.000mm	2.953" / 75.000mm	2.958" / 75.130mm	0.394" / 10.000mm	Polyacrylate	32
224660	1.811" / 46.000mm	2.362" / 60.000mm	2.373" / 60.280mm	0.276" / 7.000mm	Silicone	32	2260	3.125" / 79.380mm	3.936" / 99.970mm	3.943" / 100.150mm	0.512" / 13.000mm	Fluoro-Elastomer	45
224663	1.811" / 46.000mm	2.480" / 63.000mm	2.496" / 63.400mm	0.303" / 7.700mm	Polyacrylate	35	226018	2.362" / 60.000mm	3.071" / 78.000mm	3.082" / 78.280mm	0.315" / 8.000mm	Polyacrylate	35
224772	1.850" / 47.000mm	2.835" / 72.000mm	2.844" / 72.230mm	0.392" / 10.000mm	Nitrile	40	226020	2.362" / 60.000mm	3.150" / 80.000mm	3.161" / 80.290mm	0.315" / 8.000mm	Nitrile	35
224810	1.890" / 48.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.307" / 7.800mm	Polyacrylate	32	226150	2.402" / 61.000mm	2.992" / 76.000mm	3.003" / 76.280mm	0.276" / 7.000mm	Nitrile	#
224815	1.890" / 48.000mm	2.913" / 74.000mm	2.925" / 74.300mm	0.394" / 10.000mm	Polyacrylate	40	226285	2.441" / 62.000mm	3.346" / 85.000mm	3.352" / 85.130mm	0.315" / 8.000mm	Nitrile	41
224820	1.890" / 48.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.315" / 8.000mm	Nitrile	32	226510	2.559" / 65.000mm	3.189" / 81.000mm	3.200" / 81.280mm	0.276" / 7.000mm	Polyacrylate	32
224840	1.890" / 48.000mm	2.677" / 68.000mm	2.689" / 68.300mm	0.433" / 11.000mm	Nitrile	32	226520	2.559" / 65.000mm	3.346" / 85.000mm	3.357" / 85.270mm	0.394" / 10.000mm	Nitrile	35
224870	1.890" / 48.000mm	2.874" / 73.000mm	2.878" / 73.100mm	0.276" / 7.000mm	Nitrile	47	226530	2.559" / 65.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35
224872	1.890" / 48.000mm	2.835" / 72.000mm	2.848" / 72.350mm	0.335" / 8.500mm	Nitrile	32	226610	2.598" / 66.000mm	3.150" / 80.000mm	3.154" / 80.110mm	0.354" / 9.000mm	Polyacrylate	41
224874	1.890" / 48.000mm	2.913" / 74.000mm	2.922" / 74.230mm	0.394" / 10.000mm	Nitrile	32	227020	2.756" / 70.000mm	3.465" / 88.000mm	3.474" / 88.250mm	0.472" / 12.000mm	Silicone	32
224979	1.929" / 49.000mm	3.110" / 79.000mm	3.114" / 79.100mm	0.689" / 17.500mm	Polyacrylate	47	227040	2.756" / 70.000mm	3.543" / 90.000mm	3.554" / 90.320mm	0.394" / 10.000mm	Polyacrylate	35
225005	1.969" / 50.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	227045	2.756" / 70.000mm	3.622" / 92.000mm	3.631" / 92.230mm	0.472" / 12.000mm	Silicone	47
225010	1.969" / 50.000mm	2.559" / 65.000mm	2.565" / 65.280mm	0.315" / 8.000mm	Nitrile	47	227235	2.835" / 72.000mm	3.780" / 96.000mm	3.791" / 96.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32
225020	1.969" / 50.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32	227409	2.913" / 74.000mm	3.543" / 90.000mm	3.549" / 90.150mm	0.394" / 10.000mm	Silicone	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
227530	2.953" / 75.000mm	3.740" / 95.000mm	3.751" / 95.280mm	0.394" / 10.000mm	Nitrile	35	22X42X10	0.866" / 22.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.394" / 10.000mm	Nitrile	35
227540	2.953" / 75.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.472" / 12.000mm	Nitrile	32	22X42X7	0.866" / 22.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32
227550	2.953" / 75.000mm	3.937" / 100.000mm	3.948" / 100.270mm	0.472" / 13.000mm	Silicone	32	22X45X7	0.866" / 22.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.276" / 7.000mm	Nitrile	35
227610	2.992" / 76.000mm	3.858" / 98.000mm	3.866" / 98.200mm	0.472" / 12.000mm	Silicone	32	22X50X8	0.866" / 22.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	32
228005	3.150" / 80.000mm	3.780" / 96.000mm	3.791" / 96.280mm	0.354" / 9.000mm	Fluoro-Elastomer	32	2300	1.308" / 33.232mm	2.621" / 66.573mm	2.625" / 66.680mm	0.875" / 22.230mm	Nitrile	#
228008	3.150" / 80.000mm	3.858" / 98.000mm	3.874" / 98.400mm	0.394" / 10.000mm	Fluoro-Elastomer	32	230X260X15	9.055" / 230.000mm	10.236" / 260.000mm	10.250" / 260.350mm	0.591" / 15.000mm	Nitrile	35
228009	3.150" / 80.000mm	3.937" / 100.000mm	3.946" / 100.230mm	0.394" / 10.000mm	Silicone	32	231003	3.937" / 100.000mm	4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	35
228010	3.150" / 80.000mm	3.937" / 100.000mm	3.951" / 100.350mm	0.512" / 13.000mm	Polyacrylate	32	231004	3.937" / 100.000mm	4.724" / 120.000mm	4.735" / 120.120mm	0.433" / 11.000mm	Silicone	32
228013	3.150" / 80.000mm	3.937" / 100.000mm	3.948" / 100.280mm	0.335" / 8.510mm	Silicone	32	231250	4.921" / 125.000mm	5.906" / 150.000mm	5.917" / 150.280mm	0.472" / 12.000mm	Nitrile	35
228015	3.150" / 80.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Silicone	32	2377	3.750" / 95.250mm	4.501" / 114.330mm	4.506" / 114.450mm	0.362" / 9.190mm	Fluoro-Elastomer	35
228020	3.150" / 80.000mm	4.134" / 105.000mm	4.144" / 105.270mm	0.551" / 14.000mm	Silicone	32	239146	1.496" / 38.000mm	2.126" / 54.000mm	2.138" / 54.300mm	0.276" / 7.000mm	Nitrile	48
228025	3.150" / 80.000mm	4.134" / 105.000mm	4.144" / 105.260mm	0.512" / 13.000mm	Nitrile	32	239155	1.772" / 45.000mm	2.520" / 64.000mm	2.530" / 64.270mm	0.472" / 12.000mm	Nitrile	47
228250	3.268" / 83.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.354" / 9.000mm	Fluoro-Elastomer	32	239201	1.575" / 40.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.256" / 6.500mm	Nitrile	40
228410	3.307" / 84.000mm	4.094" / 104.000mm	4.106" / 104.280mm	0.433" / 11.000mm	Fluoro-Elastomer	32	240009	0.625" / 15.880mm	1.124" / 28.550mm	1.135" / 28.830mm	0.175" / 4.450mm	Nitrile	24
228411	3.307" / 84.000mm	4.094" / 104.000mm	4.099" / 104.110mm	0.335" / 8.500mm	Fluoro-Elastomer	32	240023	0.625" / 15.880mm	1.375" / 34.930mm	1.385" / 35.180mm	0.175" / 4.450mm	Nitrile	24
228520	3.346" / 85.000mm	4.331" / 110.000mm	4.342" / 110.280mm	0.472" / 12.000mm	Nitrile	35	240119	0.500" / 12.700mm	0.999" / 25.370mm	1.010" / 25.650mm	0.175" / 4.450mm	Nitrile	24
2286	2.201" / 55.910mm	3.519" / 89.380mm	3.523" / 89.480mm	0.590" / 14.990mm	Nitrile	74	240151	1.125" / 28.580mm	1.561" / 39.650mm	1.572" / 39.930mm	0.187" / 4.750mm	Nitrile	24
2287	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.280" / 7.110mm	Nitrile	274	240319	1.500" / 38.100mm	2.000" / 50.800mm	2.010" / 51.050mm	0.187" / 4.750mm	Nitrile	24
228700	3.425" / 87.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.315" / 8.000mm	Polyacrylate	32	240356	1.250" / 31.750mm	1.686" / 42.820mm	1.697" / 43.100mm	0.187" / 4.750mm	Nitrile	24
229004	3.504" / 89.000mm	4.291" / 109.000mm	4.299" / 109.200mm	0.354" / 9.000mm	Silicone	32	240385	0.375" / 9.530mm	0.750" / 19.050mm	0.760" / 19.300mm	0.175" / 4.450mm	Nitrile	24
229005	3.543" / 90.000mm	4.331" / 110.000mm	4.343" / 110.310mm	0.472" / 12.000mm	Fluoro-Elastomer	32	240414	1.000" / 25.400mm	1.437" / 36.500mm	1.447" / 36.750mm	0.187" / 4.750mm	Nitrile	24
229010	3.543" / 90.000mm	4.331" / 110.000mm	4.343" / 110.310mm	0.335" / 8.500mm	Silicone	32	240435	0.250" / 6.350mm	0.750" / 19.050mm	0.760" / 19.300mm	0.175" / 4.450mm	Nitrile	24
2291	3.125" / 79.380mm	4.125" / 104.780mm	4.130" / 104.900mm	0.500" / 12.700mm	Silicone	41	240457	0.984" / 24.990mm	1.828" / 46.430mm	1.838" / 46.690mm	0.187" / 4.750mm	Nitrile	24
229210	3.622" / 92.000mm	4.331" / 110.000mm	4.341" / 110.260mm	0.374" / 9.500mm	Fluoro-Elastomer	32	240462	1.000" / 25.400mm	1.936" / 49.170mm	1.948" / 49.480mm	0.187" / 4.750mm	Nitrile	24
229522	1.969" / 50.000mm	2.618" / 66.500mm	2.623" / 66.620mm	0.610" / 13.000mm	Nitrile	40	240470	0.437" / 11.100mm	0.875" / 22.230mm	0.885" / 22.480mm	0.175" / 4.450mm	Nitrile	24
2297V	6.000" / 152.400mm	6.750" / 171.450mm	6.757" / 171.630mm	0.500" / 12.700mm	Fluoro-Elastomer	25	240698	0.312" / 7.920mm	0.625" / 15.880mm	0.635" / 16.130mm	0.175" / 4.450mm	Nitrile	24
22X31X6	0.866" / 22.000mm	1.220" / 31.000mm	1.228" / 31.200mm	0.236" / 6.000mm	Nitrile	32	240716	1.312" / 33.320mm	1.752" / 44.500mm	1.760" / 44.700mm	0.187" / 4.750mm	Nitrile	24
22X32X7	0.866" / 22.000mm	1.260" / 32.000mm	1.269" / 32.230mm	0.276" / 7.000mm	Nitrile	32	240731	1.000" / 25.400mm	1.250" / 31.750mm	1.260" / 32.000mm	0.125" / 3.180mm	Nitrile	24
22X35X7	0.866" / 22.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	240733	0.875" / 22.230mm	1.124" / 28.550mm	1.135" / 28.830mm	0.125" / 3.180mm	Nitrile	24
22X36X7	0.866" / 22.000mm	1.417" / 36.000mm	1.425" / 36.200mm	0.276" / 7.000mm	Nitrile	32	240735	0.750" / 19.050mm	0.999" / 25.370mm	1.010" / 25.650mm	0.156" / 3.960mm	Nitrile	24
22X37X7	0.866" / 22.000mm	1.457" / 37.000mm	1.466" / 37.230mm	0.276" / 7.000mm	Nitrile	35	240736	1.250" / 31.750mm	1.499" / 38.070mm	1.509" / 38.330mm	0.156" / 3.960mm	Nitrile	24
22X38X7	0.866" / 22.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	35	240816	0.750" / 19.050mm	1.062" / 26.970mm	1.072" / 27.230mm	0.187" / 4.750mm	Nitrile	24
22X38X8	0.866" / 22.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.315" / 8.000mm	Nitrile	32	240949	1.250" / 31.750mm	1.828" / 46.430mm	1.838" / 46.690mm	0.187" / 4.750mm	Nitrile	24
22X40X7	0.866" / 22.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	240X270X15	9.449" / 240.000mm	10.630" / 270.000mm	10.644" / 270.350mm	0.591" / 15.000mm	Nitrile	35

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
240X280X16	9.449" / 240.000mm	11.024" / 280.000mm	11.031" / 280.200mm	0.630" / 16.000mm	Nitrile	32	25X47X7	0.984" / 25.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	32
2443	1.375" / 34.930mm	1.952" / 49.580mm	1.957" / 49.710mm	0.500" / 12.700mm	Polyacrylate	25	25X48X8	0.984" / 25.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32
2457	2.125" / 53.980mm	2.880" / 73.150mm	2.885" / 73.280mm	0.550" / 13.970mm	Polyacrylate	74	25X50X8	0.984" / 25.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	32
2465	1.680" / 42.670mm	2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.693mm	Nitrile	79	25X52X7	0.984" / 25.000mm	2.047" / 52.000mm	2.058" / 52.270mm	0.276" / 7.000mm	Nitrile	32
24X35X7	0.945" / 24.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.276" / 7.000mm	Nitrile	32	25X52X8	0.984" / 25.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.315" / 8.000mm	Nitrile	35
24X37X7	0.945" / 24.000mm	1.457" / 37.000mm	1.466" / 37.230mm	0.276" / 7.000mm	Nitrile	35	25X62X7	0.984" / 25.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	32
24X38X7	0.945" / 24.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32	2628	6.204" / 157.580mm	7.328" / 186.130mm	7.336" / 186.330mm	0.562" / 14.270mm	Silicone	64
24X40X7	0.945" / 24.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	2655	1.375" / 34.930mm	2.244" / 57.000mm	2.254" / 57.250mm	0.405" / 10.287mm	Polyacrylate	79
24X42X10	0.945" / 24.000mm	1.654" / 42.000mm	1.663" / 42.250mm	0.394" / 10.000mm	Nitrile	32	2658V	1.609" / 40.870mm	2.435" / 61.850mm	2.441" / 62.000mm	0.300" / 7.620mm	Fluoro-Elastomer	75
24X42X7	0.945" / 24.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	2674	2.875" / 73.030mm	4.175" / 106.050mm	4.180" / 106.170mm	0.812" / 20.620mm	Nitrile	89
24X47X7	0.945" / 24.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	32	2689S	1.875" / 47.630mm	2.877" / 73.080mm	2.865" / 72.770mm	0.490" / 12.450mm	Nitrile	25
24X52X7	0.945" / 24.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	2692	1.875" / 47.630mm	2.561" / 65.050mm	2.565" / 65.150mm	0.528" / 13.410mm	Polyacrylate	76
2503N	1.100" / 27.940mm	1.572" / 39.930mm	1.578" / 40.080mm	0.308" / 7.820mm	Polyacrylate	48	26X37X7	1.024" / 26.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32
250437V	1.156" / 29.360mm	1.574" / 40.010mm	1.580" / 40.130mm	0.312" / 7.920mm	Fluoro-Elastomer	25	26X38X5	1.024" / 26.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.197" / 5.000mm	Nitrile	32
2505	4.625" / 117.480mm	6.186" / 157.120mm	6.192" / 157.280mm	1.250" / 31.750mm	Nitrile	89	26X40X7	1.024" / 26.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Nitrile	32
2506	1.558" / 39.570mm	2.372" / 60.250mm	2.376" / 60.350mm	0.350" / 8.890mm	Nitrile	79	26X42X10	1.024" / 26.000mm	1.654" / 42.000mm	1.663" / 42.230mm	0.394" / 10.000mm	Nitrile	32
251511	1.250" / 31.750mm	1.625" / 41.280mm	1.630" / 41.400mm	0.188" / 6.350mm	Nitrile	25	26X42X7	1.024" / 26.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32
252277	1.000" / 25.400mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	25	26X48X7	1.024" / 26.000mm	1.890" / 48.000mm	1.899" / 48.230mm	0.276" / 7.000mm	Nitrile	32
253099	1.500" / 38.100mm	1.874" / 47.600mm	1.879" / 47.730mm	0.250" / 6.350mm	Nitrile	25	26X52X8	1.024" / 26.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.315" / 8.000mm	Nitrile	32
253747	0.625" / 15.880mm	0.875" / 22.230mm	0.880" / 22.350mm	0.125" / 3.180mm	Nitrile	25	2791	9.000" / 228.600mm	10.376" / 263.550mm	10.384" / 263.750mm	0.625" / 15.880mm	Nitrile	33
254270	0.750" / 19.050mm	1.124" / 28.550mm	1.129" / 28.680mm	0.187" / 4.750mm	Nitrile	25	27X37X7	1.063" / 27.000mm	1.457" / 37.000mm	1.463" / 37.150mm	0.276" / 7.000mm	Nitrile	35
254287	0.875" / 22.230mm	1.250" / 31.750mm	1.255" / 31.880mm	0.250" / 6.350mm	Nitrile	25	27X42X7	1.063" / 27.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35
258301	1.938" / 49.225mm	2.471" / 62.763mm	2.475" / 62.865mm	0.313" / 7.950mm	Fluoroelastomer	25	27X43X8	1.063" / 27.000mm	1.693" / 43.000mm	1.701" / 43.200mm	0.315" / 8.000mm	Nitrile	32
25X35X6	0.984" / 25.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.236" / 6.000mm	Nitrile	32	27X45X8	1.063" / 27.000mm	1.772" / 45.000mm	1.781" / 45.250mm	0.315" / 8.000mm	Nitrile	35
25X36X7	0.984" / 25.000mm	1.417" / 36.000mm	1.426" / 36.230mm	0.276" / 7.000mm	Nitrile	32	27X47X10	1.063" / 27.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.394" / 10.000mm	Nitrile	35
25X36X8	0.984" / 25.000mm	1.417" / 36.000mm	1.426" / 36.220mm	0.315" / 8.000mm	Nitrile	32	27X52X8	1.063" / 27.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.315" / 8.000mm	Nitrile	35
25X37X5	0.984" / 25.000mm	1.457" / 37.000mm	1.466" / 37.230mm	0.197" / 5.000mm	Nitrile	32	280X320X20	11.024" / 280.000mm	12.598" / 320.000mm	12.616" / 320.450mm	0.787" / 20.000mm	Nitrile	32
25X37X7	0.984" / 25.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Nitrile	32	2822V	2.062" / 52.370mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	96
25X38X7	0.984" / 25.000mm	1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32	28X38X7	1.102" / 28.000mm	1.496" / 38.000mm	1.505" / 38.230mm	0.276" / 7.000mm	Nitrile	32
25X40X7	0.984" / 25.000mm	1.575" / 40.000mm	1.583" / 40.220mm	0.276" / 7.000mm	Nitrile	32	28X40X7	1.102" / 28.000mm	1.575" / 40.000mm	1.585" / 40.260mm	0.276" / 7.000mm	Nitrile	32
25X42X6	0.984" / 25.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.236" / 6.000mm	Nitrile	32	28X42X8	1.102" / 28.000mm	1.654" / 42.000mm	1.663" / 42.230mm	0.315" / 8.000mm	Nitrile	35
25X42X8	0.984" / 25.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	32	28X44X6	1.102" / 28.000mm	1.732" / 44.000mm	1.741" / 44.230mm	0.236" / 6.000mm	Polyacrylate	32
25X45X8	0.984" / 25.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Nitrile	32	28X45X8	1.102" / 28.000mm	1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32
25X46X7	0.984" / 25.000mm	1.811" / 46.000mm	1.819" / 46.200mm	0.276" / 7.000mm	Nitrile	32	28X47X7	1.102" / 28.000mm	1.850" / 47.000mm	1.859" / 47.220mm	0.276" / 7.000mm	Nitrile	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
28X48X8	1.102" / 28.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	312196	0.500" / 12.700mm	0.843" / 21.410mm	0.848" / 21.540mm	0.250" / 6.350mm	Nitrile	31
28X52X7	1.102" / 28.000mm	2.047" / 52.000mm	2.056" / 52.230mm	0.276" / 7.000mm	Nitrile	32	312518	0.750" / 19.050mm	1.000" / 25.400mm	1.005" / 25.530mm	0.125" / 3.180mm	Nitrile	31
291099	1.625" / 41.280mm	2.562" / 65.070mm	2.566" / 65.180mm	0.375" / 9.530mm	Felt	29	313156	0.562" / 14.270mm	0.810" / 20.570mm	0.814" / 20.680mm	0.187" / 4.750mm	Polyacrylate	31
291295	1.843" / 46.810mm	2.400" / 60.960mm	2.404" / 61.060mm	0.235" / 5.970mm	Felt	29	3136N	2.500" / 63.500mm	4.938" / 125.430mm	4.943" / 125.550mm	0.500" / 12.700mm	Polyacrylate	47
292594	2.000" / 50.800mm	2.635" / 66.930mm	2.639" / 67.030mm	0.235" / 5.970mm	Felt	29	313842	1.125" / 28.580mm	1.438" / 36.530mm	1.444" / 36.680mm	0.215" / 5.460mm	Nitrile	31
2942	1.875" / 47.630mm	2.560" / 65.020mm	2.565" / 65.150mm	0.406" / 10.310mm	Polyacrylate	47	314259	0.562" / 14.270mm	0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	31
2955	1.709" / 43.410mm	2.205" / 56.010mm	2.213" / 56.210mm	0.292" / 7.420mm	Polyacrylate	71	314267N	0.625" / 15.880mm	1.000" / 25.400mm	1.005" / 25.530mm	0.125" / 3.180mm	Polyacrylate	31
300X340X20	11.811" / 300.000mm	13.386" / 340.000mm	13.404" / 340.450mm	0.787" / 20.000mm	Nitrile	32	3143N	3.000" / 76.200mm	5.500" / 139.700mm	5.506" / 139.850mm	0.531" / 13.490mm	Polyacrylate	74
3016	5.875" / 149.230mm	8.001" / 203.230mm	8.007" / 203.380mm	0.750" / 19.050mm	Nitrile	45	3173	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.304" / 7.720mm	Polyacrylate	48
3051N	1.654" / 42.000mm	2.165" / 55.000mm	2.170" / 55.120mm	0.315" / 8.000mm	Silicone	33	3186	1.875" / 47.630mm	3.150" / 80.010mm	3.146" / 79.910mm	0.930" / 23.620mm	Nitrile	59
3083	1.650" / 41.910mm	2.282" / 57.960mm	2.336" / 59.330mm	0.768" / 19.510mm	Silicone	48	3195	1.875" / 47.630mm	3.150" / 80.010mm	3.146" / 79.910mm	0.930" / 23.620mm	Nitrile	59
3087	2.048" / 52.020mm	2.728" / 69.290mm	2.732" / 69.390mm	0.590" / 14.990mm	Nitrile	#	3199	1.250" / 31.750mm	1.955" / 49.660mm	1.960" / 49.780mm	0.435" / 11.050mm	Nitrile	48
3095	2.240" / 56.900mm	3.190" / 81.030mm	3.194" / 81.130mm	0.450" / 11.430mm	Nitrile	69	31X44X8	1.220" / 31.000mm	1.732" / 44.000mm	1.740" / 44.200mm	0.315" / 8.000mm	Nitrile	32
30X37X4	1.181" / 30.000mm	1.457" / 37.000mm	1.466" / 37.230mm	0.157" / 4.000mm	Nitrile	32	320249	1.378" / 35.000mm	1.890" / 48.000mm	1.898" / 48.210mm	0.299" / 7.600mm	Fluoro-Elastomer	32
30X40X7	1.181" / 30.000mm	1.575" / 40.000mm	1.584" / 40.230mm	0.276" / 7.000mm	Nitrile	32	320259	2.005" / 50.930mm	2.878" / 73.100mm	2.888" / 73.360mm	0.340" / 8.640mm	Fluoro-Elastomer	32
30X42X7	1.181" / 30.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35	320348	1.260" / 32.000mm	1.772" / 45.000mm	1.780" / 45.210mm	0.236" / 6.000mm	Fluoro-Elastomer	32
30X44X7	1.181" / 30.000mm	1.732" / 44.000mm	1.743" / 44.280mm	0.276" / 7.000mm	Nitrile	32	320457	0.472" / 11.990mm	1.000" / 25.400mm	1.006" / 25.550mm	0.375" / 9.530mm	Nitrile	32
30X45X8	1.181" / 30.000mm	1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32	320564	1.772" / 45.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Fluoro-Elastomer	32
30X46X7	1.181" / 30.000mm	1.811" / 46.000mm	1.819" / 46.200mm	0.276" / 7.000mm	Nitrile	32	320583	1.693" / 43.000mm	2.362" / 60.000mm	2.374" / 60.300mm	0.315" / 8.000mm	Nitrile	32
30X47X10	1.181" / 30.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.394" / 10.000mm	Nitrile	32	320595	1.142" / 29.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.315" / 8.000mm	Silicone	32
30X47X7	1.181" / 30.000mm	1.850" / 47.000mm	1.860" / 47.250mm	0.276" / 7.000mm	Nitrile	32	320603	0.984" / 25.000mm	1.457" / 37.000mm	1.467" / 37.260mm	0.276" / 7.000mm	Nitrile	32
30X50X7	1.181" / 30.000mm	1.969" / 50.000mm	1.978" / 50.230mm	0.276" / 7.000mm	Nitrile	32	320691	3.228" / 82.000mm	3.918" / 99.500mm	3.928" / 99.770mm	0.500" / 12.700mm	Fluoro-Elastomer	32
30X52X10	1.181" / 30.000mm	2.047" / 52.000mm	2.056" / 52.230mm	0.394" / 10.000mm	Nitrile	32	3210	2.437" / 61.900mm	3.624" / 92.050mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	49
30X52X7	1.181" / 30.000mm	2.047" / 52.000mm	2.056" / 52.230mm	0.276" / 7.000mm	Nitrile	35	3214	1.365" / 34.670mm	1.955" / 49.660mm	1.960" / 49.780mm	0.435" / 11.050mm	Nitrile	48
30X55X7	1.181" / 30.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	47	321412	1.500" / 38.100mm	2.000" / 50.800mm	2.008" / 51.000mm	0.315" / 8.000mm	Nitrile	32
30X56X8	1.181" / 30.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	35	321416	1.496" / 38.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Polyacrylate	32
30X62X7	1.181" / 30.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	321417N	1.417" / 36.000mm	1.953" / 49.610mm	1.961" / 49.810mm	0.276" / 7.010mm	Polyacrylate	32
30X72X7	1.181" / 30.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.276" / 7.000mm	Nitrile	47	321460	1.781" / 45.240mm	2.251" / 57.180mm	2.259" / 57.380mm	0.375" / 9.530mm	Nitrile	32
3100	4.750" / 120.650mm	6.186" / 157.120mm	6.192" / 157.280mm	1.250" / 31.750mm	Nitrile	89	321516	1.000" / 25.400mm	2.441" / 62.000mm	2.447" / 62.150mm	0.375" / 9.530mm	Nitrile	32
3103	2.180" / 55.370mm	3.190" / 81.030mm	3.194" / 81.130mm	0.620" / 15.750mm	Nitrile	69	323119	1.750" / 44.450mm	2.715" / 68.960mm	2.721" / 69.110mm	0.437" / 11.100mm	Nitrile	32
310841	2.750" / 69.850mm	3.125" / 79.380mm	3.130" / 79.500mm	0.187" / 4.750mm	Nitrile	31	323125	1.375" / 34.930mm	2.717" / 69.010mm	2.723" / 69.160mm	0.375" / 9.530mm	Nitrile	32
311189	0.375" / 9.530mm	0.687" / 17.450mm	0.691" / 17.550mm	0.156" / 3.960mm	Nitrile	31	323126	1.250" / 31.750mm	1.685" / 42.800mm	1.691" / 42.950mm	0.252" / 6.400mm	Nitrile	32
3116N	1.375" / 34.930mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	71	323133	1.125" / 28.580mm	1.781" / 45.240mm	1.787" / 45.390mm	0.406" / 10.310mm	Nitrile	32
312140	1.125" / 28.580mm	1.502" / 38.150mm	1.506" / 38.250mm	0.250" / 6.350mm	Nitrile	31	323138	1.375" / 34.930mm	1.828" / 46.430mm	1.834" / 46.580mm	0.250" / 6.350mm	Nitrile	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
324204	1.535" / 39.000mm	2.244" / 57.000mm	2.259" / 57.380mm	0.380" / 9.650mm	Fluoro-Elastomer	32	3385	3.180" / 80.770mm	4.180" / 106.170mm	4.185" / 106.300mm	0.750" / 19.050mm	Nitrile	74
325776	4.331" / 110.000mm	5.118" / 130.000mm	5.130" / 130.300mm	0.394" / 10.000mm	Fluoro-Elastomer	32	3393	2.375" / 60.350mm	3.000" / 76.200mm	3.013" / 76.530mm	0.400" / 10.160mm	Fluoro-Elastomer	32
327215	4.000" / 101.600mm	4.998" / 126.950mm	5.006" / 127.150mm	0.500" / 12.700mm	Nitrile	32	3395	1.437" / 36.500mm	2.061" / 52.350mm	2.066" / 52.480mm	0.312" / 7.920mm	Nitrile	47
327303	4.500" / 114.300mm	5.251" / 133.380mm	5.259" / 133.580mm	0.437" / 11.100mm	Nitrile	32	33X50X12	1.299" / 33.000mm	1.969" / 50.000mm	1.978" / 50.250mm	0.472" / 12.000mm	Nitrile	32
328301	1.250" / 31.750mm	2.835" / 72.009mm	2.842" / 72.187mm	0.375" / 9.525mm	Nitrile	32	33X52X6	1.299" / 33.000mm	2.047" / 52.000mm	2.057" / 52.250mm	0.236" / 6.000mm	Nitrile	32
3292	5.375" / 136.530mm	6.875" / 174.630mm	6.882" / 174.800mm	1.000" / 25.400mm	Nitrile	89	340009S	0.625" / 15.880mm	1.124" / 28.550mm	1.130" / 28.700mm	0.250" / 6.350mm	Nitrile	34
32X42X7	1.260" / 32.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	35	340120	1.000" / 25.400mm	1.499" / 38.070mm	1.507" / 38.280mm	0.250" / 6.350mm	Nitrile	34
32X42X8	1.260" / 32.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	32	340136	1.500" / 38.100mm	2.250" / 57.150mm	2.258" / 57.350mm	0.250" / 6.350mm	Nitrile	34
32X45X7	1.260" / 32.000mm	1.772" / 45.000mm	1.781" / 45.230mm	0.276" / 7.000mm	Nitrile	32	340151	1.125" / 28.580mm	1.561" / 39.650mm	1.569" / 39.850mm	0.250" / 6.350mm	Nitrile	34
32X46X6	1.260" / 32.000mm	1.811" / 46.000mm	1.820" / 46.230mm	0.236" / 6.000mm	Nitrile	32	340356	1.250" / 31.750mm	1.686" / 42.820mm	1.696" / 43.080mm	0.218" / 5.540mm	Nitrile	34
32X47X7	1.260" / 32.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35	340385	0.375" / 9.530mm	0.750" / 19.050mm	0.756" / 19.200mm	0.250" / 6.350mm	Nitrile	34
32X48X8	1.260" / 32.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32	340387	0.625" / 15.880mm	0.812" / 20.620mm	0.820" / 20.830mm	0.093" / 2.360mm	Nitrile	34
32X50X8	1.260" / 32.000mm	1.969" / 50.000mm	1.978" / 50.230mm	0.315" / 8.000mm	Nitrile	35	3404	1.996" / 50.700mm	2.743" / 69.670mm	2.751" / 69.880mm	0.325" / 8.260mm	Silicone	75
32X52X7	1.260" / 32.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.276" / 7.000mm	Nitrile	32	340400	1.750" / 44.450mm	2.250" / 57.150mm	2.258" / 57.350mm	0.250" / 6.350mm	Nitrile	34
32X54X10	1.260" / 32.000mm	2.126" / 54.000mm	2.135" / 54.230mm	0.394" / 10.000mm	Nitrile	32	340413	0.875" / 22.230mm	1.308" / 33.220mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	34
32X56X10	1.260" / 32.000mm	2.205" / 56.000mm	2.216" / 56.280mm	0.394" / 10.000mm	Nitrile	32	340469	0.656" / 16.660mm	1.250" / 31.750mm	1.258" / 31.950mm	0.250" / 6.350mm	Nitrile	34
32X58X8	1.260" / 32.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Nitrile	32	340483	0.875" / 22.230mm	1.250" / 31.750mm	1.256" / 31.900mm	0.250" / 6.350mm	Nitrile	34
32X60X8	1.260" / 32.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32	340495	0.750" / 19.050mm	1.124" / 28.550mm	1.133" / 28.780mm	0.250" / 6.350mm	Nitrile	34
32X62X6	1.260" / 32.000mm	2.441" / 62.000mm	2.451" / 62.260mm	0.236" / 6.000mm	Nitrile	35	340724	0.614" / 15.600mm	0.999" / 25.370mm	1.006" / 25.550mm	0.250" / 6.350mm	Nitrile	34
32X62X8	1.260" / 32.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Nitrile	32	340731	1.000" / 25.400mm	1.250" / 31.750mm	1.254" / 31.850mm	0.125" / 3.180mm	Nitrile	34
32X72X8	1.260" / 32.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	340771	0.490" / 12.450mm	0.875" / 22.230mm	0.883" / 22.430mm	0.250" / 6.350mm	Nitrile	34
330385	0.375" / 9.530mm	0.750" / 19.050mm	0.754" / 19.150mm	0.250" / 6.350mm	Nitrile	33	340787	0.937" / 23.800mm	1.375" / 34.930mm	1.383" / 35.130mm	0.250" / 6.350mm	Nitrile	34
330663	1.375" / 34.930mm	1.874" / 47.600mm	1.878" / 47.700mm	0.312" / 7.920mm	Nitrile	33	340797	0.593" / 15.060mm	0.935" / 23.750mm	0.943" / 23.950mm	0.175" / 4.450mm	Nitrile	34
330699	0.500" / 12.700mm	0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	33	340815	1.125" / 28.580mm	1.494" / 37.950mm	1.505" / 38.230mm	0.250" / 6.350mm	Nitrile	34
330749V	1.562" / 39.670mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Fluoro-Elastomer	33	340817	1.187" / 30.150mm	1.627" / 41.330mm	1.635" / 41.530mm	0.250" / 6.350mm	Nitrile	34
331107N	2.000" / 50.800mm	2.746" / 69.750mm	2.750" / 69.850mm	0.375" / 9.530mm	Silicone	33	340823	1.875" / 47.630mm	2.502" / 63.550mm	2.511" / 63.780mm	0.250" / 6.350mm	Nitrile	34
331227H	1.875" / 47.630mm	2.624" / 66.650mm	2.628" / 66.750mm	0.375" / 9.530mm	Silicone	33	340826	0.312" / 7.920mm	0.500" / 12.700mm	0.506" / 12.850mm	0.125" / 3.180mm	Nitrile	34
331228H	1.500" / 38.100mm	2.249" / 57.120mm	2.253" / 57.230mm	0.360" / 9.150mm	Polyacrylate	75	340827	0.375" / 9.530mm	0.562" / 14.270mm	0.568" / 14.430mm	0.125" / 3.180mm	Nitrile	34
331301N	2.000" / 50.800mm	2.562" / 65.070mm	2.566" / 65.180mm	0.528" / 13.410mm	Polyacrylate	33	340835	1.125" / 28.580mm	1.375" / 34.930mm	1.381" / 35.080mm	0.125" / 3.180mm	Nitrile	34
332062	1.869" / 47.470mm	2.518" / 63.960mm	2.522" / 64.060mm	0.375" / 9.530mm	Nitrile	33	340847	0.500" / 12.700mm	0.750" / 19.050mm	0.756" / 19.200mm	0.125" / 3.180mm	Nitrile	34
3341	4.812" / 122.220mm	5.544" / 140.820mm	5.552" / 141.020mm	0.535" / 13.590mm	Silicone	100	340849	0.625" / 15.880mm	0.875" / 22.230mm	0.883" / 22.430mm	0.093" / 2.360mm	Nitrile	34
3357	1.496" / 38.000mm	2.049" / 52.040mm	2.053" / 52.150mm	0.250" / 6.350mm	Nitrile	283	340850	0.875" / 22.230mm	1.187" / 30.150mm	1.193" / 30.300mm	0.187" / 4.750mm	Nitrile	34
335924N	4.000" / 101.600mm	4.562" / 115.870mm	4.568" / 116.030mm	0.375" / 9.530mm	Polyacrylate	33	340853	1.375" / 34.930mm	1.750" / 44.450mm	1.756" / 44.600mm	0.187" / 4.750mm	Nitrile	34
337426N	9.250" / 234.950mm	10.250" / 260.350mm	10.258" / 260.550mm	0.500" / 12.700mm	Polyacrylate	33	340872	0.156" / 3.960mm	0.500" / 12.700mm	0.504" / 12.800mm	0.187" / 4.750mm	Nitrile	34

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
340900	2.093" / 53.160mm	2.717" / 69.000mm	2.725" / 69.220mm	0.250" / 6.350mm	Nitrile	34	350909	1.000" / 25.400mm	1.502" / 38.150mm	1.510" / 38.350mm	0.312" / 7.920mm	Nitrile	35
340927	1.562" / 39.670mm	2.096" / 53.240mm	2.102" / 53.390mm	0.250" / 6.350mm	Nitrile	34	350936	1.875" / 47.630mm	2.561" / 65.050mm	2.571" / 65.300mm	0.312" / 7.920mm	Nitrile	35
340930	1.437" / 36.500mm	2.000" / 50.800mm	2.006" / 50.950mm	0.125" / 3.180mm	Nitrile	34	350954	0.750" / 19.050mm	1.250" / 31.750mm	1.256" / 31.900mm	0.250" / 6.350mm	Nitrile	35
341022	2.250" / 57.150mm	2.625" / 66.680mm	2.636" / 66.950mm	0.187" / 4.750mm	Nitrile	34	350974	1.125" / 28.580mm	1.850" / 47.000mm	1.859" / 47.220mm	0.312" / 7.920mm	Nitrile	35
342517	1.000" / 25.400mm	1.312" / 33.320mm	1.318" / 33.480mm	0.125" / 3.180mm	Nitrile	34	351028	0.490" / 12.450mm	1.122" / 28.500mm	1.132" / 28.750mm	0.265" / 6.730mm	Nitrile	35
342613	0.500" / 12.700mm	0.875" / 22.230mm	0.881" / 22.380mm	0.125" / 3.180mm	Nitrile	34	351267	0.875" / 22.230mm	1.375" / 34.930mm	1.381" / 35.080mm	0.250" / 6.350mm	Nitrile	35
342614	0.500" / 12.700mm	0.875" / 22.230mm	0.881" / 22.380mm	0.250" / 6.350mm	Nitrile	34	351466	0.625" / 15.880mm	1.124" / 28.550mm	1.130" / 28.700mm	0.250" / 6.350mm	Nitrile	35
342805	0.500" / 12.700mm	0.687" / 17.450mm	0.693" / 17.600mm	0.093" / 2.360mm	Nitrile	34	351487	0.625" / 15.880mm	0.999" / 25.370mm	1.005" / 25.530mm	0.250" / 6.350mm	Nitrile	35
343099	1.500" / 38.100mm	1.874" / 47.600mm	1.880" / 47.750mm	0.250" / 6.350mm	Nitrile	34	352354	1.375" / 34.930mm	1.874" / 47.600mm	1.880" / 47.750mm	0.250" / 6.350mm	Nitrile	32
343101	0.437" / 11.100mm	0.624" / 15.850mm	0.633" / 16.080mm	0.125" / 3.180mm	Nitrile	34	352355	1.375" / 34.930mm	1.874" / 47.600mm	1.880" / 47.750mm	0.312" / 7.920mm	Nitrile	35
343104	0.250" / 6.350mm	0.499" / 12.670mm	0.505" / 12.830mm	0.187" / 4.750mm	Nitrile	34	352541	2.000" / 50.800mm	2.502" / 63.550mm	2.508" / 63.700mm	0.250" / 6.350mm	Nitrile	35
343105	0.625" / 15.880mm	0.936" / 23.770mm	0.942" / 23.930mm	0.187" / 4.750mm	Polyacrylate	34	352560	1.125" / 28.580mm	1.561" / 39.650mm	1.567" / 39.800mm	0.250" / 6.350mm	Nitrile	35
343123	1.000" / 25.400mm	1.563" / 39.700mm	1.569" / 39.850mm	0.187" / 4.750mm	Nitrile	34	353120	1.875" / 47.630mm	2.397" / 60.880mm	2.403" / 61.040mm	0.250" / 6.350mm	Nitrile	35
343185	0.750" / 19.050mm	1.125" / 28.580mm	1.131" / 28.730mm	0.156" / 3.960mm	Nitrile	34	353132	0.875" / 22.230mm	1.308" / 33.220mm	1.314" / 33.380mm	0.250" / 6.350mm	Nitrile	35
343186	1.250" / 31.750mm	1.499" / 38.070mm	1.505" / 38.230mm	0.125" / 3.180mm	Nitrile	34	353137	1.281" / 32.540mm	2.000" / 50.800mm	2.006" / 50.950mm	0.250" / 6.350mm	Nitrile	35
345035	4.000" / 101.600mm	4.999" / 126.970mm	5.008" / 127.200mm	0.312" / 7.920mm	Nitrile	34	353141	1.687" / 42.850mm	2.279" / 57.890mm	2.285" / 58.040mm	0.250" / 6.350mm	Nitrile	35
345146	3.500" / 88.900mm	4.499" / 114.270mm	4.508" / 114.500mm	0.250" / 6.350mm	Nitrile	34	354040	1.750" / 44.450mm	2.500" / 63.500mm	2.508" / 63.700mm	0.375" / 9.530mm	PTFE	35
3459	1.575" / 40.000mm	2.283" / 58.000mm	2.289" / 58.140mm	0.354" / 9.000mm	Polyacrylate	74	3543	1.378" / 35.000mm	2.162" / 54.915mm	2.167" / 55.042mm	0.425" / 10.795mm	Silicone	57
3476	1.260" / 32.000mm	1.850" / 47.000mm	1.860" / 47.240mm	0.394" / 10.000mm	Polyacrylate	32	3553	2.201" / 55.910mm	2.735" / 69.470mm	2.741" / 69.620mm	0.197" / 5.000mm	Nitrile	284
3492V	5.000" / 127.000mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Fluoro-Elastomer	48	355660H	3.622" / 92.000mm	4.331" / 110.000mm	4.342" / 110.290mm	0.394" / 10.000mm	Silicone	35
34X45X8	1.339" / 34.000mm	1.772" / 45.000mm	1.780" / 45.200mm	0.315" / 8.000mm	Nitrile	32	355669	3.040" / 77.220mm	3.937" / 100.000mm	3.946" / 100.230mm	0.250" / 6.350mm	Nitrile	35
34X52X8	1.339" / 34.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.315" / 8.000mm	Nitrile	32	355732	2.500" / 63.500mm	4.250" / 107.950mm	4.260" / 108.200mm	0.500" / 12.700mm	Nitrile	35
34X54X9	1.339" / 34.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Nitrile	35	3591	2.750" / 69.850mm	5.501" / 139.730mm	5.506" / 139.850mm	1.266" / 32.160mm	Polyacrylate	90
34X55X9	1.339" / 34.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.354" / 9.000mm	Nitrile	32	3592	3.000" / 76.200mm	5.501" / 139.730mm	5.506" / 139.850mm	1.266" / 32.160mm	Polyacrylate	90
34X62X10	1.339" / 34.000mm	2.441" / 62.000mm	2.448" / 62.180mm	0.394" / 10.000mm	Nitrile	35	35949N	2.937" / 74.600mm	3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Polyacrylate	41
350156	0.375" / 9.530mm	0.874" / 22.200mm	0.883" / 22.430mm	0.312" / 7.920mm	Nitrile	35	35X45X7	1.378" / 35.000mm	1.772" / 45.000mm	1.778" / 45.150mm	0.276" / 7.000mm	Nitrile	35
350364	0.312" / 7.925mm	0.750" / 19.050mm	0.756" / 19.202mm	0.250" / 6.350mm	Nitrile	35	35X47X7	1.378" / 35.000mm	1.850" / 47.000mm	1.859" / 47.230mm	0.276" / 7.000mm	Nitrile	35
350394	1.500" / 38.100mm	2.125" / 53.980mm	2.134" / 54.200mm	0.437" / 11.100mm	Nitrile	35	35X48X8	1.378" / 35.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32
350414	1.000" / 25.400mm	1.437" / 36.500mm	1.445" / 36.700mm	0.250" / 6.350mm	Nitrile	35	35X50X7	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.276" / 7.000mm	Nitrile	32
350435	0.250" / 6.350mm	0.750" / 19.050mm	0.758" / 19.250mm	0.250" / 6.350mm	Nitrile	35	35X50X8	1.378" / 35.000mm	1.969" / 50.000mm	1.978" / 50.240mm	0.315" / 8.000mm	Nitrile	35
350567	0.875" / 22.230mm	1.375" / 34.930mm	1.385" / 35.180mm	0.312" / 7.920mm	Nitrile	35	35X52X7	1.378" / 35.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32
350572	1.575" / 40.000mm	2.835" / 72.000mm	2.848" / 72.350mm	0.276" / 7.000mm	Fluoro-Elastomer	35	35X54X8	1.378" / 35.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Nitrile	35
350609	1.732" / 44.000mm	2.677" / 68.000mm	2.689" / 68.300mm	0.315" / 8.000mm	Polyacrylate	35	35X55X11	1.378" / 35.000mm	2.165" / 55.000mm	2.174" / 55.230mm	0.433" / 11.000mm	Nitrile	32
350823	1.875" / 47.630mm	2.502" / 63.550mm	2.506" / 63.650mm	0.328" / 8.330mm	Nitrile	35	35X55X8	1.378" / 35.000mm	2.165" / 55.000mm	2.174" / 55.100mm	0.315" / 8.000mm	Nitrile	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
35X56X10	1.378" / 35.000mm	2.205" / 56.000mm	2.215" / 56.270mm	0.394" / 10.000mm	Nitrile	32	3774	1.654" / 42.000mm	2.205" / 56.000mm	2.218" / 56.340mm	0.276" / 7.000mm	Silicone	35
35X56X8	1.378" / 35.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	35	3783	2.875" / 73.030mm	3.623" / 92.020mm	3.628" / 92.150mm	0.500" / 12.700mm	Silicone	65
35X58X10	1.378" / 35.000mm	2.283" / 58.000mm	2.294" / 58.280mm	0.394" / 10.000mm	Nitrile	35	37921	4.125" / 104.780mm	4.999" / 126.970mm	5.005" / 127.130mm	1.037" / 26.340mm	PTFE	PDW
35X60X10	1.378" / 35.000mm	2.362" / 60.000mm	2.371" / 60.230mm	0.394" / 10.000mm	Nitrile	35	37939	4.000" / 101.600mm	4.999" / 126.970mm	5.005" / 127.130mm	0.500" / 12.700mm	PTFE	PDW
35X62X7	1.378" / 35.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	3794	2.010" / 51.050mm	2.650" / 67.310mm	2.655" / 67.440mm	0.363" / 9.220mm	Nitrile	49
35X64X8	1.378" / 35.000mm	2.520" / 64.000mm	2.525" / 64.130mm	0.315" / 8.000mm	Polyacrylate	47	37X52X8	1.457" / 37.000mm	2.047" / 52.000mm	2.058" / 52.280mm	0.315" / 8.000mm	Nitrile	35
35X65X10	1.378" / 35.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Nitrile	32	3813	2.625" / 66.680mm	3.695" / 93.850mm	3.700" / 93.980mm	0.500" / 12.700mm	Silicone	64
35X65X8	1.378" / 35.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	38832	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	PTFE	94
35X70X8	1.378" / 35.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	3893V	3.750" / 95.250mm	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	Fluoro-Elastomer	45
35X72X8	1.378" / 35.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	3894V	2.500" / 63.500mm	3.499" / 88.870mm	3.505" / 89.030mm	0.500" / 12.700mm	Fluoro-Elastomer	48
35X80X8	1.378" / 35.000mm	3.150" / 80.000mm	3.150" / 80.200mm	0.315" / 8.000mm	Nitrile	32	3896	1.940" / 49.280mm	2.909" / 73.890mm	2.914" / 74.020mm	0.520" / 13.210mm	Nitrile	76
3604	1.812" / 46.020mm	2.777" / 70.540mm	2.783" / 70.690mm	0.455" / 11.560mm	Fluoro-Elastomer	86	38X50X7	1.496" / 38.000mm	1.969" / 50.000mm	1.978" / 50.250mm	0.276" / 7.000mm	Nitrile	35
3618	1.812" / 46.020mm	2.623" / 66.620mm	2.627" / 66.730mm	0.615" / 15.620mm	Nitrile	86	38X52X7	1.496" / 38.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32
3622	1.654" / 42.000mm	2.520" / 64.000mm	2.524" / 64.140mm	0.394" / 10.000mm	Polyacrylate	74	38X53X8	1.496" / 38.000mm	2.087" / 53.000mm	2.094" / 53.200mm	0.315" / 8.000mm	Nitrile	32
3638	1.125" / 28.580mm	1.624" / 41.250mm	1.628" / 41.350mm	0.190" / 4.830mm	Polyacrylate	48	38X54X7	1.496" / 38.000mm	2.126" / 54.000mm	2.133" / 54.180mm	0.276" / 7.000mm	Nitrile	48
365008	2.687" / 68.250mm	3.876" / 98.450mm	3.876" / 98.450mm	0.250" / 6.350mm	Nitrile	36	38X55X7	1.496" / 38.000mm	2.165" / 55.000mm	2.174" / 55.230mm	0.276" / 7.000mm	Polyacrylate	32
3655	1.378" / 35.000mm	2.047" / 52.000mm	2.061" / 52.350mm	0.305" / 7.750mm	Polyacrylate	32	38X58X8	1.496" / 38.000mm	2.283" / 58.000mm	2.288" / 58.110mm	0.315" / 8.000mm	Nitrile	47
3667	0.690" / 17.530mm	0.997" / 25.320mm	1.003" / 25.480mm	0.295" / 7.490mm	Nitrile	271	38X60X10	1.496" / 38.000mm	2.362" / 60.000mm	2.376" / 60.350mm	0.394" / 10.000mm	Nitrile	32
3677	1.500" / 38.100mm	1.989" / 50.520mm	1.993" / 50.620mm	0.285" / 7.240mm	Nitrile	287	38X60X8	1.496" / 38.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32
3698	2.988" / 75.900mm	3.740" / 95.000mm	3.748" / 95.200mm	0.374" / 9.500mm	Fluoro-Elastomer	32	38X68X8	1.496" / 38.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	32
36X47X7	1.417" / 36.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Nitrile	35	38X70X10	1.496" / 38.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	35
36X50X7	1.417" / 36.000mm	1.969" / 50.000mm	1.972" / 50.080mm	0.276" / 7.000mm	Nitrile	47	38X72X10	1.496" / 38.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Nitrile	35
36X52X7	1.417" / 36.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	35	38X74X11	1.496" / 38.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	32
36X54X8	1.417" / 36.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Nitrile	35	38X74X8	1.496" / 38.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Nitrile	32
36X56X10	1.417" / 36.000mm	2.205" / 56.000mm	2.215" / 56.250mm	0.394" / 10.000mm	Nitrile	35	38X90X8	1.496" / 38.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32
36X58X12	1.417" / 36.000mm	2.283" / 58.000mm	2.293" / 58.230mm	0.472" / 12.000mm	Nitrile	35	3905	3.000" / 76.200mm	4.938" / 125.430mm	4.943" / 125.550mm	0.303" / 7.696mm	Polyacrylate	76
36X58X8	1.417" / 36.000mm	2.283" / 58.000mm	2.293" / 58.250mm	0.315" / 8.000mm	Nitrile	47	3907	1.181" / 30.000mm	2.283" / 58.000mm	2.287" / 58.090mm	0.374" / 9.500mm	Polyacrylate	57
36X60X7	1.417" / 36.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	32	3909	3.625" / 92.080mm	4.240" / 107.700mm	4.256" / 108.100mm	0.390" / 9.910mm	Fluoro-Elastomer	35
36X62X7	1.417" / 36.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	39140	1.375" / 34.930mm	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	PTFE	94
36X68X10	1.417" / 36.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.394" / 10.000mm	Nitrile	35	39302	2.125" / 53.980mm	3.189" / 81.030mm	3.194" / 81.130mm	0.437" / 11.100mm	PTFE	W-H
3732S	1.062" / 26.970mm	1.575" / 40.010mm	1.581" / 40.160mm	0.250" / 6.350mm	Nitrile	48	3942	2.500" / 63.500mm	3.226" / 81.940mm	3.231" / 82.070mm	0.190" / 4.830mm	Nitrile	284
3747	1.703" / 43.260mm	3.084" / 78.330mm	3.090" / 78.490mm	0.500" / 12.700mm	Nitrile	69	3945	2.330" / 59.180mm	3.000" / 76.200mm	3.005" / 76.330mm	0.400" / 10.160mm	Polyacrylate	48
3771	1.378" / 35.000mm	1.969" / 50.000mm	1.982" / 50.340mm	0.276" / 7.000mm	Silicone	35	3946	1.875" / 47.630mm	2.750" / 69.850mm	2.754" / 69.950mm	0.485" / 12.319mm	Nitrile	86
3772	3.465" / 88.000mm	4.252" / 108.000mm	4.266" / 108.360mm	0.433" / 11.000mm	Silicone	35	39608	3.750" / 95.250mm	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	DW-H

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
39701	7.250" / 184.150mm	8.125" / 206.380mm	8.133" / 206.580mm	0.500" / 12.700mm	PTFE	FW-H	39886	6.202" / 157.530mm	7.329" / 186.160mm	7.336" / 186.330mm	0.377" / 9.580mm	PTFE	DW-H
39703	3.625" / 92.080mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	FW-H	39887	6.204" / 157.580mm	7.330" / 186.180mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	FW-H
39705	3.750" / 95.250mm	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	FW-H	39888	6.198" / 157.430mm	7.329" / 186.140mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	FW-H
39711	1.562" / 39.670mm	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	PTFE	FW-H	39889	6.077" / 154.360mm	7.329" / 186.130mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	W-H
39713	1.250" / 31.750mm	1.812" / 46.020mm	1.817" / 46.150mm	0.235" / 5.970mm	PTFE	DW-H	39890	6.077" / 154.360mm	7.329" / 186.140mm	7.336" / 186.330mm	0.445" / 11.300mm	PTFE	W-H
39715	6.000" / 152.400mm	7.475" / 189.870mm	7.481" / 190.020mm	0.590" / 14.990mm	PTFE	#	39893	9.052" / 229.920mm	10.709" / 272.010mm	10.720" / 272.290mm	0.625" / 15.880mm	PTFE	FW-H
39719	2.125" / 53.980mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	PTFE	W-H	39894	9.052" / 229.920mm	10.709" / 272.010mm	10.720" / 272.290mm	0.625" / 15.880mm	PTFE	FW-H
39723	4.000" / 101.600mm	5.000" / 127.000mm	5.005" / 127.130mm	0.500" / 12.700mm	PTFE	FW-H	39899	11.220" / 285.000mm	12.250" / 309.880mm	12.260" / 311.400mm	0.945" / 24.000mm	PTFE	#
39801	5.000" / 127.000mm	6.000" / 152.400mm	6.006" / 152.550mm	0.413" / 10.490mm	PTFE	FW-H	39900	11.220" / 285.000mm	12.250" / 309.880mm	12.260" / 311.400mm	0.945" / 24.000mm	PTFE	#
39802	2.875" / 73.030mm	3.623" / 92.020mm	3.628" / 92.150mm	0.500" / 12.700mm	PTFE	FW-H	39910	1.000" / 25.400mm	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	PTFE	W
39803	2.500" / 63.500mm	3.130" / 79.500mm	3.135" / 79.630mm	0.315" / 8.000mm	PTFE	FW-H	39920	1.562" / 39.670mm	2.062" / 52.370mm	2.067" / 52.500mm	0.188" / 4.780mm	PTFE	FW-H
39804	2.953" / 75.000mm	3.661" / 93.000mm	3.666" / 93.120mm	0.315" / 8.000mm	PTFE	FW-H	39925	1.781" / 45.240mm	2.502" / 63.500mm	2.505" / 63.630mm	0.312" / 7.920mm	PTFE	FW-H
39805	5.118" / 130.000mm	5.906" / 150.000mm	5.923" / 150.440mm	0.583" / 14.800mm	PTFE	FW-H	39926	3.740" / 95.000mm	6.772" / 172.000mm	6.775" / 172.090mm	1.102" / 28.000mm	PTFE	W-H
39807	6.000" / 152.400mm	6.750" / 171.450mm	6.756" / 171.600mm	0.437" / 11.100mm	PTFE	W-H	39930	1.812" / 46.020mm	2.562" / 65.070mm	2.567" / 65.200mm	0.315" / 8.000mm	PTFE	FW-H
39809	3.125" / 79.380mm	4.125" / 104.780mm	4.130" / 104.900mm	0.437" / 11.100mm	PTFE	W-H	39952	4.646" / 118.008mm	5.751" / 146.075mm	5.756" / 146.215mm	0.500" / 12.700mm	PTFE	FW-H
39813	3.625" / 92.080mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	W-H	39954	4.835" / 122.810mm	5.749" / 146.025mm	5.756" / 146.200mm	0.375" / 9.530mm	PTFE	DW-H
39821	2.272" / 57.710mm	2.654" / 67.410mm	2.661" / 67.590mm	0.250" / 6.350mm	PTFE	W	39956	5.997" / 152.320mm	7.125" / 180.980mm	7.131" / 181.130mm	0.500" / 12.700mm	PTFE	DW-H
39823	6.000" / 152.400mm	6.750" / 171.450mm	6.757" / 171.630mm	0.625" / 15.880mm	PTFE	DW-H	39958	5.000" / 127.000mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	PTFE	FW-H
39835	1.812" / 46.020mm	2.563" / 65.100mm	2.567" / 65.200mm	0.375" / 9.530mm	PTFE	W	40027S	0.750" / 19.050mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	4S
39837	3.750" / 95.250mm	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	PTFE	W-H	40059S	1.500" / 38.100mm	2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S
39849	4.375" / 111.130mm	5.502" / 139.740mm	5.506" / 139.850mm	0.500" / 12.700mm	PTFE	FW-H	40063S	1.500" / 38.100mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	4S
39851	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	PTFE	FW-H	40071S	1.875" / 47.630mm	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S
39853	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	PTFE	FW-H	40085S	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.250" / 6.350mm	Nitrile	4S
39861	6.496" / 165.000mm	9.600" / 243.840mm	9.606" / 244.000mm	0.540" / 13.720mm	PTFE	#	40101S	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.250" / 6.350mm	Nitrile	4S
39865	3.543" / 90.000mm	6.215" / 157.860mm	6.220" / 158.000mm	0.562" / 14.270mm	PTFE	#	40120	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L
39867	0.984" / 25.000mm	1.614" / 41.000mm	1.618" / 41.090mm	0.315" / 8.000mm	PTFE	W-H	40140S	1.250" / 31.750mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	4S
39869	1.102" / 28.000mm	1.614" / 41.000mm	1.618" / 41.100mm	0.315" / 8.000mm	PTFE	#	40154S	1.687" / 42.850mm	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	4S
39875	1.496" / 38.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.984" / 25.000mm	PTFE	#	40157S	1.000" / 25.400mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S
39877	1.929" / 49.000mm	2.563" / 65.100mm	2.567" / 65.200mm	0.315" / 8.000mm	PTFE	W-H	40162S	1.187" / 30.150mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S
39880	5.000" / 127.000mm	5.999" / 152.370mm	6.006" / 152.550mm	0.413" / 10.490mm	PTFE	94	40169S	1.375" / 34.930mm	2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	4S
39881	4.993" / 126.820mm	6.000" / 152.400mm	6.006" / 152.550mm	0.413" / 10.490mm	PTFE	FW-H	4019N	2.432" / 61.770mm	3.070" / 77.980mm	3.075" / 78.110mm	0.227" / 5.770mm	Polyacrylate	47
39882	3.620" / 91.950mm	4.625" / 117.480mm	4.630" / 117.600mm	0.400" / 10.160mm	PTFE	FW-H	40208	0.968" / 24.590mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Leather	4L
39883	6.238" / 158.450mm	8.655" / 219.840mm	8.661" / 219.990mm	1.100" / 27.940mm	PTFE	90	40230S	1.000" / 25.400mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	4S
39885	6.198" / 157.430mm	7.329" / 186.140mm	7.336" / 186.330mm	0.354" / 8.990mm	PTFE	FW-H	40286	1.625" / 41.280mm	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Leather	4L

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
40301S	2.000" / 50.800mm	3.000" / 76.200mm	3.005" / 76.300mm	0.250" / 6.350mm	Nitrile	4S	40X58X10	1.575" / 40.000mm	2.283" / 58.000mm	2.294" / 58.280mm	0.394" / 10.000mm	Nitrile	32
40316S	2.250" / 57.150mm	3.251" / 82.580mm	3.256" / 82.700mm	0.250" / 6.350mm	Nitrile	4S	40X60X10	1.575" / 40.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.394" / 10.000mm	Nitrile	32
40337S	2.500" / 63.500mm	3.148" / 79.960mm	3.154" / 80.110mm	0.250" / 6.350mm	Nitrile	4S	40X62X7	1.575" / 40.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	35
40370S	1.968" / 49.990mm	2.960" / 75.180mm	2.964" / 75.290mm	0.250" / 6.350mm	Nitrile	4S	40X62X8	1.575" / 40.000mm	2.441" / 62.000mm	2.451" / 62.250mm	0.315" / 8.000mm	Nitrile	32
40375	3.228" / 82.000mm	3.789" / 96.240mm	3.800" / 96.520mm	0.394" / 10.000mm	Fluoro-Elastomer	32	40X65X10	1.575" / 40.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	32
40382	1.500" / 38.100mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Leather	4L	40X68X12	1.575" / 40.000mm	2.677" / 68.000mm	2.687" / 68.250mm	0.472" / 12.000mm	Nitrile	35
40389S	2.000" / 50.800mm	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S	40X68X8	1.575" / 40.000mm	2.677" / 68.000mm	2.709" / 68.800mm	0.315" / 8.000mm	Nitrile	35
40392	2.756" / 70.000mm	4.000" / 101.600mm	4.009" / 101.830mm	0.469" / 11.910mm	PTFE	FW-H	40X70X8	1.575" / 40.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32
40395	1.375" / 34.930mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Leather	4L	40X72X7	1.575" / 40.000mm	2.835" / 72.000mm	2.848" / 72.350mm	0.276" / 7.000mm	Nitrile	35
40395S	1.375" / 34.930mm	1.874" / 47.600mm	1.879" / 47.730mm	0.250" / 6.350mm	Nitrile	4S	40X75X8	1.575" / 40.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	32
40401	2.000" / 50.800mm	2.501" / 63.530mm	2.506" / 63.650mm	0.250" / 6.350mm	Leather	4L	40X78X8	1.575" / 40.000mm	3.071" / 78.000mm	3.102" / 78.800mm	0.315" / 8.000mm	Nitrile	32
40410S	2.000" / 50.800mm	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	40X80X10	1.575" / 40.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	35
40433S	2.250" / 57.150mm	3.125" / 79.380mm	3.130" / 79.500mm	0.250" / 6.350mm	Nitrile	4S	40X90X8	1.575" / 40.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	35
40438S	1.562" / 39.670mm	2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S	410059	1.500" / 38.100mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	41
40468	1.484" / 37.690mm	2.254" / 57.250mm	2.258" / 57.350mm	0.250" / 6.350mm	Leather	4L	410071	1.875" / 47.630mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	41
40494S	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	4S	410085	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	41
40520S	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	410085N	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Polyacrylate	41
40522S	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	410101N	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Polyacrylate	41
40555	2.500" / 63.500mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Leather	4L	410102	2.000" / 50.800mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	41
40555S	2.500" / 63.500mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S	410119	0.500" / 12.700mm	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	41
40566S	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.250" / 6.350mm	Nitrile	4S	41013S	2.093" / 53.160mm	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S
40568S	1.625" / 41.280mm	2.625" / 66.680mm	2.629" / 66.780mm	0.250" / 6.350mm	Nitrile	4S	410163	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	41
40576S	1.187" / 30.150mm	1.996" / 50.700mm	2.000" / 50.800mm	0.250" / 6.350mm	Nitrile	4S	410183N	1.750" / 44.450mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Polyacrylate	41
40652S	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	4S	410190	1.500" / 38.100mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	41
4072N	1.787" / 45.390mm	3.229" / 82.020mm	3.238" / 82.250mm	0.335" / 8.510mm	Polyacrylate	83	41026S	2.375" / 60.330mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	4S
40769S	1.312" / 33.320mm	2.282" / 57.960mm	2.286" / 58.060mm	0.250" / 6.350mm	Nitrile	4S	410308	2.125" / 53.980mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	41
40973S	2.093" / 53.160mm	3.150" / 80.010mm	3.156" / 80.160mm	0.250" / 6.350mm	Nitrile	4S	410312N	2.125" / 53.980mm	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Polyacrylate	41
4099	1.673" / 42.490mm	2.162" / 54.910mm	2.166" / 55.020mm	0.285" / 7.240mm	Nitrile	287	410316	2.250" / 57.150mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	41
40X50X8	1.575" / 40.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Nitrile	35	410358N	1.625" / 41.280mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	41
40X52X7	1.575" / 40.000mm	2.047" / 52.000mm	2.057" / 52.250mm	0.276" / 7.000mm	Nitrile	32	410496	2.500" / 63.500mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	41
40X54X6	1.575" / 40.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.217" / 5.500mm	Nitrile	47	410519	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	41
40X55X8	1.575" / 40.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	32	410520	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	41
40X56X7	1.575" / 40.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.276" / 7.000mm	Nitrile	32	410524	1.875" / 47.630mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	41
40X57X10	1.575" / 40.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.394" / 10.000mm	Nitrile	32	410686N	2.375" / 60.330mm	3.483" / 88.470mm	3.488" / 88.600mm	0.500" / 12.700mm	Polyacrylate	41

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
410694	2.312" / 58.720mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	412920	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
410708	2.625" / 66.680mm	3.374" / 85.700mm	3.379" / 85.830mm	0.468" / 11.890mm	Nitrile	41	412920K	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
410737	2.250" / 57.150mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	41	412920V	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Fluoro-Elastomer	41
410752	2.500" / 63.500mm	3.247" / 82.470mm	3.252" / 82.600mm	0.500" / 12.700mm	Nitrile	41	412943	2.187" / 55.550mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41
41075S	2.250" / 57.150mm	3.443" / 87.450mm	3.447" / 87.550mm	0.250" / 6.350mm	Nitrile	4S	4131	2.312" / 58.720mm	3.000" / 76.200mm	3.004" / 76.300mm	0.375" / 9.530mm	Nitrile	287
410825	2.375" / 60.330mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	413246	2.375" / 60.330mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	41
410867N	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Polyacrylate	41	413246N	2.375" / 60.330mm	3.251" / 82.580mm	3.255" / 82.680mm	0.375" / 9.530mm	Polyacrylate	41
410972N	2.125" / 53.980mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Polyacrylate	41	413247	2.375" / 60.330mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
410987	2.375" / 60.330mm	3.481" / 88.420mm	3.486" / 88.540mm	0.437" / 11.100mm	Nitrile	41	413248	2.625" / 66.680mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
411143N	2.625" / 66.680mm	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Polyacrylate	41	413469	2.125" / 53.980mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41
411160V	2.312" / 58.720mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Fluoro-Elastomer	41	413470	2.125" / 53.980mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
411245	2.437" / 61.900mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	413470V	2.125" / 53.980mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Fluoro-Elastomer	41
411253	2.250" / 57.150mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	413472	2.187" / 55.550mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
411275V	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Fluoro-Elastomer	41	413478	2.437" / 61.900mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	41
411330	2.598" / 65.990mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	41	413479	2.562" / 65.070mm	3.481" / 88.420mm	3.486" / 88.540mm	0.375" / 9.530mm	Nitrile	41
411330N	2.598" / 65.990mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Polyacrylate	41	414045	1.875" / 47.630mm	2.782" / 70.660mm	2.786" / 70.760mm	0.500" / 12.700mm	Nitrile	41
411348	2.812" / 71.420mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41	4141	1.575" / 40.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.472" / 12.000mm	Polyacrylate	#
411376	2.250" / 57.150mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	414268	1.625" / 41.280mm	3.000" / 76.200mm	3.004" / 76.300mm	0.312" / 7.920mm	Nitrile	41
411394	2.312" / 58.720mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	41	41461S	1.500" / 38.100mm	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S
411500	2.437" / 61.900mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	4148	2.000" / 50.800mm	2.623" / 66.620mm	2.627" / 66.730mm	0.280" / 7.110mm	Nitrile	286
41163T	2.625" / 66.680mm	3.696" / 93.880mm	3.700" / 93.980mm	0.500" / 12.700mm	PTFE	FW-H	415001	2.500" / 63.500mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41
412015V	2.125" / 53.980mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415001N	2.500" / 63.500mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	41
412027	2.000" / 50.800mm	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	41	415003	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41
412028	2.000" / 50.800mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	41	415004	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41
412038N	2.375" / 60.330mm	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Polyacrylate	41	415004V	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Fluoro-Elastomer	41
412040	2.437" / 61.900mm	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	41	415007	2.625" / 66.680mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41
412119	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	415009	2.750" / 69.850mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41
412473	3.375" / 85.730mm	4.376" / 111.150mm	4.381" / 111.280mm	0.375" / 9.530mm	Nitrile	41	415009N	2.750" / 69.850mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	41
41257	1.500" / 38.100mm	1.989" / 50.520mm	1.993" / 50.620mm	0.250" / 6.350mm	Leather	4L	415012N	2.937" / 74.600mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41
41264S	0.625" / 15.880mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	4S	415012V	2.937" / 74.600mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Fluoro-Elastomer	41
412725	2.000" / 50.800mm	3.150" / 80.010mm	3.155" / 80.140mm	0.375" / 9.530mm	Nitrile	41	415013	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41
412798N	2.062" / 52.370mm	3.000" / 76.200mm	3.005" / 76.330mm	0.437" / 11.100mm	Polyacrylate	41	415013N	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41
412861	2.375" / 60.330mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	415016N	3.125" / 79.380mm	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Polyacrylate	41
412871	2.625" / 66.680mm	3.350" / 85.090mm	3.355" / 85.220mm	0.375" / 9.530mm	Nitrile	41	415021	3.125" / 79.380mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
415023	3.250" / 82.550mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415128	8.750" / 222.250mm	10.750" / 273.050mm	10.758" / 273.250mm	0.750" / 19.050mm	Nitrile	41
415025	3.375" / 85.730mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415137	3.250" / 82.550mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41
415027	3.500" / 88.900mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415138	4.750" / 120.650mm	5.750" / 146.050mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
415027H	3.500" / 88.900mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Silicone	41	415142	4.125" / 104.780mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41
415027N	3.500" / 88.900mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Polyacrylate	41	415146	3.500" / 88.900mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41
415034	3.937" / 100.000mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415147	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	41
415035	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41	415147N	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	41
415035V	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Fluoro-Elastomer	41	415150	3.750" / 95.250mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41
415036	4.000" / 101.600mm	5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	41	415156N	3.125" / 79.380mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Polyacrylate	41
415041	4.000" / 101.600mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415164N	3.375" / 85.730mm	4.376" / 111.150mm	4.381" / 111.280mm	0.625" / 15.880mm	Polyacrylate	41
415043	4.125" / 104.780mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415170	3.500" / 88.900mm	4.626" / 117.500mm	4.631" / 117.630mm	0.625" / 15.880mm	Nitrile	41
415045	4.250" / 107.950mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415187	4.000" / 101.600mm	4.876" / 123.850mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	41
415047	4.375" / 111.130mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415192N	4.000" / 101.600mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Polyacrylate	41
415052	8.000" / 203.200mm	10.125" / 257.180mm	10.133" / 257.380mm	0.750" / 19.050mm	Nitrile	41	415196	4.250" / 107.950mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41
415058	4.250" / 107.950mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415213N	4.750" / 120.650mm	5.999" / 152.370mm	6.007" / 152.580mm	0.625" / 15.880mm	Polyacrylate	41
415060	4.375" / 111.130mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415219	9.250" / 234.950mm	11.250" / 285.750mm	11.260" / 286.000mm	0.750" / 19.050mm	Nitrile	41
415064	4.625" / 117.480mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415227	10.500" / 266.700mm	12.500" / 317.500mm	12.508" / 317.700mm	1.000" / 25.400mm	Nitrile	41
415066	4.750" / 120.650mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	41	415234	2.250" / 57.150mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41
415072	6.000" / 152.400mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	415248N	2.375" / 60.330mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	41
415073V	5.500" / 139.700mm	6.749" / 171.420mm	6.756" / 171.600mm	0.625" / 15.880mm	Fluoro-Elastomer	41	415254	2.250" / 57.150mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41
415074	6.125" / 155.580mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	415259	2.250" / 57.150mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41
415076	11.500" / 292.100mm	13.500" / 342.900mm	13.508" / 343.100mm	0.750" / 19.050mm	Nitrile	41	415263	3.937" / 100.000mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41
415077	11.500" / 292.100mm	13.000" / 330.200mm	13.010" / 330.450mm	0.750" / 19.050mm	Nitrile	41	41526S	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	4S
415082	2.500" / 63.500mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	41	415272N	2.750" / 69.850mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	41
415082N	2.500" / 63.500mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	41	415281N	3.000" / 76.200mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Polyacrylate	41
415085	3.312" / 84.120mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415284	4.687" / 119.050mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
415086N	3.000" / 76.200mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Polyacrylate	41	415294	6.500" / 165.100mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41
415088	3.000" / 76.200mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415295	4.187" / 106.350mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	41
41509	6.500" / 165.100mm	8.000" / 203.200mm	8.007" / 203.380mm	0.625" / 15.880mm	PTFE	PDW	415302	2.562" / 65.070mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41
415090	9.000" / 228.600mm	11.000" / 279.400mm	11.008" / 279.600mm	0.750" / 19.050mm	Nitrile	41	415303	2.875" / 73.030mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41
415098N	2.562" / 65.070mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	41	415304	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41
41510	6.500" / 165.100mm	8.000" / 203.200mm	8.007" / 203.380mm	0.625" / 15.880mm	PTFE	PDW	415317	7.375" / 187.330mm	9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41
415116	7.250" / 184.150mm	8.750" / 222.250mm	8.759" / 222.480mm	0.750" / 19.050mm	Nitrile	41	415327	6.750" / 171.450mm	8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41
415124	8.250" / 209.550mm	10.250" / 260.350mm	10.260" / 260.600mm	0.750" / 19.050mm	Nitrile	41	415349	2.125" / 53.980mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
415350	2.187" / 55.550mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	41	415832	3.625" / 92.080mm	5.375" / 136.530mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41
415351	4.500" / 114.300mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	415836	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Nitrile	41
41536	2.875" / 73.030mm	3.750" / 95.250mm	3.755" / 95.380mm	0.500" / 12.700mm	PTFE	PDW	415836N	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Polyacrylate	41
41537	2.875" / 73.030mm	3.750" / 95.250mm	3.755" / 95.380mm	0.500" / 12.700mm	PTFE	PDW	415836V	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.437" / 11.100mm	Fluoro-Elastomer	41
415371	4.625" / 117.480mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415854	6.250" / 158.750mm	7.875" / 200.030mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41
415379	3.750" / 95.250mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	415857	2.375" / 60.330mm	3.601" / 91.470mm	3.606" / 91.590mm	0.437" / 11.100mm	Nitrile	41
415379V	3.750" / 95.250mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Fluoro-Elastomer	41	415867	7.500" / 190.500mm	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41
415389	3.625" / 92.080mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415871	9.375" / 238.130mm	11.375" / 288.930mm	11.385" / 289.180mm	0.750" / 19.050mm	Nitrile	41
415389N	3.625" / 92.080mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Polyacrylate	41	415876	7.000" / 177.800mm	9.313" / 236.550mm	9.321" / 236.750mm	0.625" / 15.880mm	Nitrile	41
415394	3.125" / 79.380mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415876V	7.000" / 177.800mm	9.313" / 236.550mm	9.321" / 236.750mm	0.625" / 15.880mm	Fluoro-Elastomer	41
415425	4.375" / 111.130mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	415894	3.375" / 85.730mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41
415436	3.625" / 92.080mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	415897	5.000" / 127.000mm	6.877" / 174.680mm	6.884" / 174.850mm	0.625" / 15.880mm	Nitrile	41
415437	3.500" / 88.900mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	415899N	3.500" / 88.900mm	4.375" / 111.130mm	4.381" / 111.280mm	0.562" / 14.270mm	Polyacrylate	41
415442	3.375" / 85.730mm	4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41	415937	3.625" / 92.080mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41
415447	5.750" / 146.050mm	6.624" / 168.250mm	6.632" / 168.450mm	0.625" / 15.880mm	Nitrile	41	415938	5.375" / 136.530mm	6.624" / 168.250mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41
415449	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	415953	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41
415449V	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415953V	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Fluoro-Elastomer	41
415458	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41	415958	3.875" / 98.430mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41
415458V	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Fluoro-Elastomer	41	415960	2.750" / 69.850mm	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41
415482	11.000" / 279.400mm	13.000" / 330.200mm	13.010" / 330.450mm	0.750" / 19.050mm	Nitrile	41	415962	3.000" / 76.200mm	4.331" / 110.010mm	4.336" / 110.130mm	0.500" / 12.700mm	Nitrile	41
415483	2.625" / 66.680mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	415963N	3.750" / 95.250mm	4.751" / 120.680mm	4.756" / 120.800mm	0.484" / 12.290mm	Polyacrylate	41
415498	3.562" / 90.470mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	41	415983	3.750" / 95.250mm	4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Nitrile	41
415551	7.500" / 190.500mm	9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41	415983N	3.750" / 95.250mm	4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	41
415559	3.500" / 88.900mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	415983V	3.750" / 95.250mm	4.499" / 114.270mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41
415563	3.250" / 82.550mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	41	415984	2.750" / 69.850mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41
415577	3.250" / 82.550mm	4.723" / 119.960mm	4.729" / 120.120mm	0.468" / 11.890mm	Nitrile	41	415988	2.562" / 65.070mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41
415610	5.500" / 139.700mm	7.000" / 177.800mm	7.007" / 177.980mm	0.625" / 15.880mm	Nitrile	41	415991	3.500" / 88.900mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Nitrile	41
415627	2.000" / 50.800mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	41	415991N	3.500" / 88.900mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	41
415645	5.250" / 133.350mm	6.500" / 165.100mm	6.507" / 165.280mm	0.562" / 14.270mm	Nitrile	41	415991V	3.500" / 88.900mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41
415656	8.000" / 203.200mm	9.000" / 228.600mm	9.010" / 228.850mm	0.750" / 19.050mm	Nitrile	41	415995	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41
415683	6.000" / 152.400mm	7.000" / 177.800mm	7.007" / 178.000mm	0.500" / 12.700mm	Nitrile	41	415995V	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Fluoro-Elastomer	41
415697	3.875" / 98.430mm	5.125" / 130.180mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	4160	2.420" / 61.470mm	3.000" / 76.200mm	3.005" / 76.330mm	0.270" / 6.858mm	Nitrile	281
415711	3.562" / 90.470mm	4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	416008	6.750" / 171.450mm	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41
415725	5.000" / 127.000mm	6.001" / 152.430mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416011	3.125" / 79.380mm	4.125" / 104.780mm	4.130" / 104.900mm	0.500" / 12.700mm	Nitrile	41

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
416024	3.125" / 79.380mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41	416268	2.187" / 55.550mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41
416029	5.750" / 146.050mm	7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41	416270	2.250" / 57.150mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	41
416029N	5.750" / 146.050mm	7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Polyacrylate	41	416271	2.375" / 60.330mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41
416039	5.750" / 146.050mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41	416273	2.500" / 63.500mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	41
416041	3.750" / 95.250mm	4.626" / 117.500mm	4.632" / 117.650mm	0.500" / 12.700mm	Nitrile	41	416273V	2.500" / 63.500mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Fluoro-Elastomer	47
416043	3.875" / 98.430mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	41	416278	2.625" / 66.680mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41
416044	7.250" / 184.150mm	8.250" / 209.550mm	8.257" / 209.730mm	0.625" / 15.880mm	Nitrile	41	416282	2.750" / 69.850mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41
416047	3.625" / 92.080mm	4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	416285	2.875" / 73.030mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41
416070	4.500" / 114.300mm	6.125" / 155.580mm	6.131" / 155.730mm	0.562" / 14.270mm	Nitrile	41	416288	3.125" / 79.380mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41
416071	2.375" / 60.330mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	41	416292	3.312" / 84.120mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41
416077	7.125" / 180.980mm	8.625" / 219.080mm	8.632" / 219.250mm	0.562" / 14.270mm	Nitrile	41	416294	3.375" / 85.730mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Nitrile	41
416102	7.625" / 193.680mm	8.625" / 219.080mm	8.632" / 219.250mm	0.562" / 14.270mm	Nitrile	41	416294V	3.375" / 85.730mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Fluoro-Elastomer	41
416107	5.500" / 139.700mm	6.750" / 171.450mm	6.758" / 171.650mm	0.575" / 14.610mm	Nitrile	41	416297	3.125" / 79.380mm	4.626" / 117.500mm	4.631" / 117.630mm	0.437" / 11.100mm	Nitrile	41
416112	5.375" / 136.530mm	7.874" / 200.000mm	7.881" / 200.180mm	0.750" / 19.050mm	Nitrile	41	416313	3.312" / 84.120mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41
416125	3.625" / 92.080mm	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41	416321	3.375" / 85.730mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41
416127	3.750" / 95.250mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	416327	3.375" / 85.730mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41
416130	4.000" / 101.600mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	41	416332	3.625" / 92.080mm	4.625" / 117.480mm	4.631" / 117.630mm	0.437" / 11.100mm	Nitrile	41
416135	4.250" / 107.950mm	5.626" / 142.900mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416339	3.750" / 95.250mm	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41
416137	4.250" / 107.950mm	5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	416345	3.875" / 98.430mm	4.999" / 126.970mm	5.004" / 127.100mm	0.500" / 12.700mm	Nitrile	41
416144	4.312" / 109.520mm	5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	416362	6.750" / 171.450mm	8.007" / 203.380mm	8.017" / 203.630mm	0.625" / 15.880mm	Nitrile	41
416147	4.375" / 111.130mm	5.626" / 142.900mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416364	7.000" / 177.800mm	8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41
416149	4.375" / 111.130mm	5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41	416370	3.000" / 76.200mm	4.751" / 120.680mm	4.756" / 120.800mm	0.625" / 15.880mm	Nitrile	41
416153	4.500" / 114.300mm	5.625" / 142.880mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416380	4.375" / 111.130mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
416154	4.500" / 114.300mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416381	9.625" / 244.480mm	12.750" / 323.850mm	12.758" / 324.050mm	1.250" / 31.750mm	Nitrile	41
416156	4.625" / 117.480mm	5.625" / 142.880mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	41	416383	10.750" / 273.050mm	13.374" / 339.700mm	13.381" / 339.880mm	1.250" / 31.750mm	Nitrile	41
416158	4.625" / 117.480mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416394	8.500" / 215.900mm	10.625" / 269.880mm	10.633" / 270.080mm	0.750" / 19.050mm	Nitrile	41
416163	4.812" / 122.220mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416404	3.125" / 79.380mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41
416167	4.875" / 123.830mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41	416422	8.250" / 209.550mm	11.500" / 292.100mm	11.507" / 292.280mm	0.750" / 19.050mm	Nitrile	41
416191	5.500" / 139.700mm	7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	41	416444	2.312" / 58.720mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41
4162	2.062" / 52.370mm	2.937" / 74.600mm	3.034" / 77.060mm	0.340" / 8.640mm	Nitrile	200E	416470N	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.375" / 9.530mm	Polyacrylate	41
416229	6.500" / 165.100mm	8.000" / 203.200mm	8.009" / 203.430mm	0.625" / 15.880mm	Nitrile	41	416476	5.875" / 149.230mm	7.125" / 180.980mm	7.133" / 181.180mm	0.500" / 12.700mm	Nitrile	41
416239	7.000" / 177.800mm	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Nitrile	41	416500	2.937" / 74.600mm	3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Nitrile	41
416257	9.250" / 234.950mm	11.000" / 279.400mm	11.008" / 279.600mm	0.750" / 19.050mm	Nitrile	41	416556	4.250" / 107.950mm	5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41
416267	2.125" / 53.980mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	416557	5.125" / 130.180mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
416624	3.500" / 88.900mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417159V	2.937" / 74.600mm	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Fluoro- Elastomer	41
416624N	3.500" / 88.900mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Polyacrylate	41	417171	3.125" / 79.380mm	4.375" / 111.130mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41
416654	2.937" / 74.600mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417172	3.125" / 79.380mm	4.500" / 114.300mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41
416657	8.875" / 225.430mm	10.122" / 257.100mm	10.130" / 257.300mm	0.750" / 19.050mm	Nitrile	41	417181	3.250" / 82.550mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41
416664	2.750" / 69.850mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Nitrile	41	417191	3.375" / 85.730mm	4.500" / 114.300mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41
416664V	2.750" / 69.850mm	3.500" / 88.900mm	3.505" / 89.030mm	0.375" / 9.530mm	Fluoro- Elastomer	41	417196	3.500" / 88.900mm	4.625" / 117.480mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41
416666	5.750" / 146.050mm	7.001" / 177.830mm	7.008" / 178.000mm	0.562" / 14.270mm	Nitrile	41	417198	3.500" / 88.900mm	4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
416670	3.687" / 93.650mm	5.250" / 133.350mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	41	417205	3.750" / 95.250mm	4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
416674V	7.000" / 177.800mm	8.375" / 212.730mm	8.382" / 212.900mm	0.750" / 19.050mm	Fluoro- Elastomer	41	417210	3.875" / 98.430mm	4.751" / 120.680mm	4.756" / 120.800mm	0.375" / 9.530mm	Nitrile	41
416706	2.750" / 69.850mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417211	3.875" / 98.430mm	4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
416738	2.062" / 52.370mm	3.190" / 81.030mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	41	417223	4.000" / 101.600mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416775	2.937" / 74.600mm	4.250" / 107.950mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	41	417238	4.312" / 109.520mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416865	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41	417247	4.750" / 120.650mm	6.001" / 152.430mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41
416865V	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Fluoro- Elastomer	41	417252	4.750" / 120.650mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41
416888	4.500" / 114.300mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417254	5.500" / 139.700mm	6.500" / 165.100mm	6.507" / 165.280mm	0.562" / 14.270mm	Nitrile	41
416888V	4.500" / 114.300mm	5.500" / 139.700mm	5.507" / 139.880mm	0.500" / 12.700mm	Fluoro- Elastomer	41	417255	7.000" / 177.800mm	8.375" / 212.730mm	8.382" / 212.950mm	0.625" / 15.880mm	Nitrile	41
416891	4.250" / 107.950mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41	417258	5.125" / 130.180mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416892	4.500" / 114.300mm	5.750" / 146.050mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41	417262	5.250" / 133.350mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416919	3.687" / 93.650mm	4.501" / 114.330mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41	417262V	5.250" / 133.350mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Fluoro- Elastomer	41
416919N	3.687" / 93.650mm	4.501" / 114.330mm	4.506" / 114.450mm	0.500" / 12.700mm	Polyacrylate	41	417267	4.875" / 123.830mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41
416921	2.875" / 73.030mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417269	4.875" / 123.830mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416951	8.250" / 209.550mm	10.625" / 269.880mm	10.633" / 270.080mm	0.750" / 19.050mm	Nitrile	41	417273	4.937" / 125.400mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
416956	2.937" / 74.600mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417278	5.000" / 127.000mm	6.375" / 161.930mm	6.381" / 162.080mm	0.500" / 12.700mm	Nitrile	41
417016	7.875" / 200.030mm	10.000" / 254.000mm	10.008" / 254.200mm	15.880mm	Nitrile	41	417283	7.500" / 190.500mm	9.243" / 234.770mm	9.250" / 234.950mm	0.625" / 15.880mm	Nitrile	41
417020	10.000" / 254.000mm	12.000" / 304.800mm	12.008" / 305.000mm	0.625" / 15.880mm	Nitrile	41	417295	4.437" / 112.700mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417022	8.375" / 212.730mm	10.375" / 263.530mm	10.385" / 263.780mm	0.625" / 15.880mm	Nitrile	41	417298	6.625" / 168.280mm	8.125" / 206.380mm	8.134" / 206.600mm	0.625" / 15.880mm	Nitrile	41
417040	5.625" / 142.880mm	7.125" / 180.980mm	7.131" / 181.130mm	0.500" / 12.700mm	Nitrile	41	417316	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41
417073	2.437" / 61.900mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417316V	2.751" / 69.880mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Fluoro- Elastomer	41
417079	2.625" / 66.680mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417343	2.625" / 66.680mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41
417082	2.625" / 66.680mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417344	2.875" / 73.030mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41
417115	7.750" / 196.850mm	10.000" / 254.000mm	10.008" / 254.200mm	0.750" / 19.050mm	Nitrile	41	417349	3.000" / 76.200mm	3.751" / 95.280mm	3.756" / 95.400mm	0.437" / 11.100mm	Nitrile	41
417134	2.875" / 73.030mm	4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41	417349V	3.000" / 76.200mm	3.751" / 95.280mm	3.756" / 95.400mm	0.437" / 11.100mm	Fluoro- Elastomer	41
417158	2.875" / 73.030mm	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	417350	3.000" / 76.200mm	3.876" / 98.450mm	3.881" / 98.580mm	0.437" / 11.100mm	Nitrile	41
417159	2.937" / 74.600mm	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	417351	3.000" / 76.200mm	4.125" / 104.780mm	4.130" / 104.900mm	0.437" / 11.100mm	Nitrile	41

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
417352	3.250" / 82.550mm	4.500" / 114.300mm	4.506" / 114.450mm	0.500" / 12.700mm	Nitrile	41	417497	3.562" / 90.470mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41
417353	3.250" / 82.550mm	4.626" / 117.500mm	4.632" / 117.650mm	0.500" / 12.700mm	Nitrile	41	417498	3.562" / 90.470mm	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
417354	3.375" / 85.730mm	4.626" / 117.500mm	4.632" / 117.650mm	0.500" / 12.700mm	Nitrile	41	417499	3.625" / 92.080mm	5.251" / 133.380mm	5.256" / 133.500mm	0.437" / 11.100mm	Nitrile	41
417355	3.625" / 92.080mm	4.875" / 123.830mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	4175	1.575" / 40.000mm	2.047" / 52.000mm	2.056" / 52.220mm	0.354" / 9.000mm	Nitrile	#
417356	4.000" / 101.600mm	5.125" / 130.180mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	417500	3.625" / 92.080mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417357	4.000" / 101.600mm	5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41	417501	3.687" / 93.650mm	4.750" / 120.650mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	41
417358	5.250" / 133.350mm	6.375" / 161.930mm	6.381" / 162.080mm	0.500" / 12.700mm	Nitrile	41	417502	3.687" / 93.650mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417359	5.250" / 133.350mm	6.625" / 168.280mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41	417503	3.750" / 95.250mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417360	5.500" / 139.700mm	6.625" / 168.280mm	6.632" / 168.450mm	0.562" / 14.270mm	Nitrile	41	417504	3.812" / 96.820mm	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
417361	5.500" / 139.700mm	6.875" / 174.630mm	6.882" / 174.800mm	0.562" / 14.270mm	Nitrile	41	417505	3.875" / 98.430mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417362	5.750" / 146.050mm	6.750" / 171.450mm	6.757" / 171.630mm	0.575" / 14.610mm	Nitrile	41	417506	3.937" / 100.000mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417363	5.750" / 146.050mm	6.875" / 174.630mm	6.882" / 174.800mm	0.562" / 14.270mm	Nitrile	41	417507	4.000" / 101.600mm	5.626" / 142.900mm	5.632" / 143.050mm	0.375" / 9.530mm	Nitrile	41
417364	5.750" / 146.050mm	7.125" / 180.980mm	7.132" / 181.150mm	0.562" / 14.270mm	Nitrile	41	417509	4.000" / 101.600mm	5.999" / 152.370mm	6.005" / 152.530mm	0.500" / 12.700mm	Nitrile	41
417365	6.000" / 152.400mm	7.125" / 180.980mm	7.132" / 181.150mm	0.562" / 14.270mm	Nitrile	41	417511	4.125" / 104.780mm	5.126" / 130.200mm	5.132" / 130.350mm	0.500" / 12.700mm	Nitrile	41
417366	3.875" / 98.430mm	5.250" / 133.350mm	5.256" / 133.500mm	0.500" / 12.700mm	Nitrile	41	417512	4.125" / 104.780mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417385	7.500" / 190.500mm	10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	41	417513	4.187" / 106.350mm	5.501" / 139.730mm	5.506" / 139.850mm	0.500" / 12.700mm	Nitrile	41
417433	3.250" / 82.550mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Nitrile	41	417514	4.187" / 106.350mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
417474	1.937" / 49.200mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417515	4.187" / 106.350mm	6.000" / 152.400mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41
417480	2.375" / 60.330mm	3.876" / 98.450mm	3.881" / 98.580mm	0.375" / 9.530mm	Nitrile	41	417516	4.187" / 106.350mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
417481	2.562" / 65.070mm	3.750" / 95.250mm	3.756" / 95.400mm	0.375" / 9.530mm	Nitrile	41	417518	4.250" / 107.950mm	6.126" / 155.600mm	6.133" / 155.780mm	0.500" / 12.700mm	Nitrile	41
417484	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	41	417520	4.312" / 109.520mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
417484N	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Polyacrylate	41	417522	4.375" / 111.130mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Nitrile	41
417485	2.812" / 71.420mm	3.876" / 98.450mm	3.881" / 98.580mm	0.437" / 11.100mm	Nitrile	41	417525	4.437" / 112.700mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
417486	2.937" / 74.600mm	4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41	417526	4.437" / 112.700mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41
417487	3.000" / 76.200mm	4.249" / 107.920mm	4.254" / 108.050mm	0.437" / 11.100mm	Nitrile	41	417530	4.500" / 114.300mm	5.376" / 136.550mm	5.381" / 136.680mm	0.437" / 11.100mm	Nitrile	41
417488	3.000" / 76.200mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417531	4.500" / 114.300mm	5.876" / 149.250mm	5.881" / 149.380mm	0.500" / 12.700mm	Nitrile	41
417490	3.187" / 80.950mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417532	4.500" / 114.300mm	6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41
417491	3.312" / 84.120mm	4.376" / 111.150mm	4.381" / 111.280mm	0.500" / 12.700mm	Nitrile	41	417533	4.562" / 115.870mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Nitrile	41
417492	3.437" / 87.300mm	4.501" / 114.330mm	4.506" / 114.450mm	0.375" / 9.530mm	Nitrile	41	417534	4.562" / 115.870mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41
417492V	3.437" / 87.300mm	4.501" / 114.330mm	4.506" / 114.450mm	0.375" / 9.530mm	Fluoro-Elastomer	47	417535	4.687" / 119.050mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41
417493	3.437" / 87.300mm	4.626" / 117.500mm	4.631" / 117.630mm	0.500" / 12.700mm	Nitrile	41	417536	4.687" / 119.050mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	41
417494	3.437" / 87.300mm	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41	417537	4.687" / 119.050mm	6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41
417495	3.500" / 88.900mm	5.126" / 130.200mm	5.131" / 130.330mm	0.500" / 12.700mm	Nitrile	41	417538	4.750" / 120.650mm	5.876" / 149.250mm	5.881" / 149.380mm	0.500" / 12.700mm	Nitrile	41
417496	3.500" / 88.900mm	5.500" / 139.700mm	5.505" / 139.830mm	0.500" / 12.700mm	Nitrile	41	417539	4.937" / 125.400mm	5.999" / 152.370mm	6.007" / 152.580mm	0.500" / 12.700mm	Nitrile	41

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
417540	4.937" / 125.400mm	6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41	417621	3.125" / 79.380mm	4.125" / 104.780mm	4.130" / 104.900mm	0.375" / 9.530mm	Nitrile	41
417541	5.000" / 127.000mm	6.499" / 165.070mm	6.507" / 165.280mm	0.500" / 12.700mm	Nitrile	41	417698	3.625" / 92.080mm	4.376" / 111.150mm	4.381" / 111.280mm	0.375" / 9.530mm	Nitrile	41
417542	5.000" / 127.000mm	6.749" / 171.420mm	6.757" / 171.630mm	0.500" / 12.700mm	Nitrile	41	417780	5.937" / 150.800mm	7.502" / 190.550mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	41
417543	5.000" / 127.000mm	6.874" / 174.600mm	6.882" / 174.800mm	0.500" / 12.700mm	Nitrile	41	41787S	1.250" / 31.750mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	4S
417544	5.000" / 127.000mm	7.000" / 177.800mm	7.007" / 178.000mm	0.500" / 12.700mm	Nitrile	41	417921	6.187" / 157.150mm	7.250" / 184.150mm	7.258" / 184.350mm	0.734" / 18.640mm	Nitrile	41
417545	5.000" / 127.000mm	7.500" / 190.500mm	7.507" / 190.680mm	0.500" / 12.700mm	Nitrile	41	417940	9.000" / 228.600mm	10.088" / 256.240mm	10.095" / 256.410mm	0.625" / 15.880mm	Nitrile	41
417546	5.125" / 130.180mm	6.374" / 161.900mm	6.382" / 162.100mm	0.500" / 12.700mm	Nitrile	41	417967	3.937" / 100.000mm	4.876" / 123.850mm	4.881" / 123.980mm	0.500" / 12.700mm	Nitrile	41
417547	5.125" / 130.180mm	6.499" / 165.070mm	6.507" / 165.280mm	0.500" / 12.700mm	Nitrile	41	417986N	2.750" / 69.850mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Polyacrylate	41
417548	5.187" / 131.750mm	6.499" / 165.070mm	6.507" / 165.280mm	0.500" / 12.700mm	Nitrile	41	417987N	3.250" / 82.550mm	5.500" / 139.700mm	5.506" / 139.850mm	0.500" / 12.700mm	Polyacrylate	41
417549	5.250" / 133.350mm	6.750" / 171.450mm	6.757" / 171.630mm	0.500" / 12.700mm	Nitrile	41	418027	2.625" / 66.680mm	4.437" / 112.700mm	4.441" / 112.800mm	0.437" / 11.100mm	Nitrile	41
417550	5.312" / 134.920mm	6.500" / 165.100mm	6.507" / 165.280mm	0.500" / 12.700mm	Nitrile	41	418028	3.250" / 82.550mm	4.500" / 114.300mm	4.506" / 114.450mm	0.375" / 9.530mm	Nitrile	41
417551	5.375" / 136.530mm	6.374" / 161.900mm	6.380" / 162.050mm	0.500" / 12.700mm	Nitrile	41	418029	3.437" / 87.300mm	4.249" / 107.920mm	4.254" / 108.050mm	0.375" / 9.530mm	Nitrile	41
417554	5.375" / 136.530mm	6.749" / 171.420mm	6.757" / 171.630mm	0.500" / 12.700mm	Nitrile	41	418038	4.187" / 106.350mm	4.999" / 126.970mm	5.004" / 127.100mm	0.375" / 9.530mm	Nitrile	41
417555	5.625" / 142.880mm	6.624" / 168.250mm	6.631" / 168.430mm	0.500" / 12.700mm	Nitrile	41	418301	2.250" / 57.150mm	3.500" / 88.900mm	3.505" / 89.027mm	0.438" / 11.125mm	Fluoroelastomer	41
417556	5.625" / 142.880mm	6.874" / 174.600mm	6.882" / 174.800mm	0.500" / 12.700mm	Nitrile	41	418302	10.000" / 254.000mm	11.250" / 285.750mm	11.258" / 285.953mm	0.630" / 16.002mm	Nitrile	41
417562	6.250" / 158.750mm	7.750" / 196.850mm	7.758" / 197.050mm	0.500" / 12.700mm	Nitrile	41	418303	7.000" / 177.800mm	8.500" / 215.900mm	8.507" / 216.078mm	0.625" / 15.875mm	Fluoroelastomer	41
417563	6.375" / 161.930mm	7.875" / 200.030mm	7.883" / 200.230mm	0.500" / 12.700mm	Nitrile	41	418304	6.000" / 152.400mm	7.500" / 190.500mm	7.506" / 190.652mm	0.500" / 12.700mm	Fluoroelastomer	41
417564	7.000" / 177.800mm	8.750" / 222.250mm	8.759" / 222.480mm	0.625" / 15.880mm	Nitrile	41	418305	4.500" / 114.300mm	5.251" / 133.375mm	5.256" / 133.502mm	0.438" / 11.125mm	Fluoroelastomer	41
417567	8.625" / 219.080mm	10.625" / 269.880mm	10.635" / 270.130mm	0.750" / 19.050mm	Nitrile	41	418306	3.125" / 79.375mm	4.249" / 107.925mm	4.254" / 108.052mm	0.438" / 11.125mm	Fluoroelastomer	41
417570	10.250" / 260.350mm	12.250" / 311.150mm	12.260" / 311.400mm	0.750" / 19.050mm	Nitrile	41	418308	7.500" / 190.500mm	9.000" / 228.600mm	9.008" / 228.803mm	0.625" / 15.875mm	Polyacrylate	41
417571	11.000" / 279.400mm	12.500" / 317.500mm	12.510" / 317.750mm	0.625" / 15.880mm	Nitrile	41	418309	2.625" / 66.675mm	3.751" / 95.275mm	3.756" / 95.402mm	0.438" / 11.125mm	Fluoroelastomer	41
417584	5.000" / 127.000mm	6.126" / 155.600mm	6.131" / 155.730mm	0.562" / 14.270mm	Nitrile	41	418310	1.190" / 30.226mm	2.125" / 53.975mm	2.130" / 54.102mm	0.313" / 7.950mm	Nitrile	41
417596	6.750" / 171.450mm	8.250" / 209.550mm	8.257" / 209.730mm	0.562" / 14.270mm	Nitrile	41	4189H	1.996" / 50.700mm	3.111" / 79.020mm	3.120" / 79.250mm	0.344" / 8.740mm	Fluoro-Elastomer	75
417597	7.000" / 177.800mm	8.250" / 209.550mm	8.257" / 209.730mm	0.625" / 15.880mm	Nitrile	41	41X55X7	1.614" / 41.000mm	2.165" / 55.000mm	2.177" / 55.290mm	0.276" / 7.000mm	Nitrile	32
417598	7.625" / 193.680mm	9.125" / 231.780mm	9.133" / 231.980mm	0.625" / 15.880mm	Nitrile	41	41X56X7	1.614" / 41.000mm	2.205" / 56.000mm	2.215" / 56.250mm	0.276" / 7.000mm	Nitrile	32
417598V	7.625" / 193.680mm	9.125" / 231.780mm	9.133" / 231.980mm	0.625" / 15.880mm	Fluoro-Elastomer	41	42081S	1.250" / 31.750mm	2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	4S
417600	8.000" / 203.200mm	9.250" / 234.950mm	9.258" / 235.150mm	0.625" / 15.880mm	Nitrile	41	42101S	2.129" / 54.080mm	2.891" / 73.430mm	2.895" / 73.530mm	0.250" / 6.350mm	Nitrile	4S
417601	8.000" / 203.200mm	9.500" / 241.300mm	9.508" / 241.500mm	0.625" / 15.880mm	Nitrile	41	42260S	1.500" / 38.100mm	1.938" / 49.230mm	1.942" / 49.330mm	0.250" / 6.350mm	Nitrile	4S
417602	8.000" / 203.200mm	10.000" / 254.000mm	10.008" / 254.200mm	0.625" / 15.880mm	Nitrile	41	42311S	1.000" / 25.400mm	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Nitrile	4S
417603	8.500" / 215.900mm	10.000" / 254.000mm	10.008" / 254.200mm	0.625" / 15.880mm	Nitrile	41	42421S	1.875" / 47.630mm	2.750" / 69.850mm	2.754" / 69.950mm	0.250" / 6.350mm	Nitrile	4S
417604	8.500" / 215.900mm	10.500" / 266.700mm	10.508" / 266.900mm	0.625" / 15.880mm	Nitrile	41	4244	1.552" / 39.420mm	2.400" / 60.950mm	2.402" / 61.011mm	0.415" / 10.540mm	Nitrile	72
417605	10.000" / 254.000mm	11.000" / 279.400mm	11.008" / 279.600mm	0.625" / 15.880mm	Nitrile	41	4249	1.809" / 45.950mm	2.361" / 59.970mm	2.365" / 60.070mm	0.370" / 9.398mm	Nitrile	287
417606	9.500" / 241.300mm	11.500" / 292.100mm	11.508" / 292.300mm	0.625" / 15.880mm	Nitrile	41	4250	2.500" / 63.500mm	3.303" / 83.900mm	3.307" / 84.000mm	0.465" / 11.810mm	Nitrile	74
417608	12.000" / 304.800mm	14.000" / 355.600mm	14.010" / 355.850mm	0.750" / 19.050mm	Nitrile	41	42763	1.375" / 34.930mm	2.282" / 57.960mm	2.286" / 58.060mm	0.250" / 6.350mm	Nitrile	4S

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
4278	1.812" / 46.020mm	3.091" / 78.510mm	3.096" / 78.640mm	0.485" / 12.320mm	Fluoro-Elastomer	86	440972	2.125" / 53.980mm	3.371" / 85.620mm	3.376" / 85.750mm	0.312" / 7.920mm	Nitrile	44
4291V	4.375" / 111.130mm	5.375" / 136.530mm	5.425" / 137.800mm	0.500" / 12.700mm	Fluoro-Elastomer	#	441130	1.000" / 25.400mm	1.375" / 34.930mm	1.379" / 35.030mm	0.187" / 4.750mm	Nitrile	44
42X55X7	1.654" / 42.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Nitrile	32	441148	2.000" / 50.800mm	3.264" / 82.910mm	3.269" / 83.030mm	0.250" / 6.350mm	Nitrile	44
42X55X8	1.654" / 42.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Nitrile	35	441319	1.218" / 30.940mm	1.979" / 50.270mm	1.983" / 50.370mm	0.250" / 6.350mm	Nitrile	44
42X56X7	1.654" / 42.000mm	2.205" / 56.000mm	2.210" / 56.130mm	0.276" / 7.000mm	Nitrile	32	441853	1.875" / 47.630mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	44
42X58X7	1.654" / 42.000mm	2.283" / 58.000mm	2.287" / 58.100mm	0.276" / 7.000mm	Nitrile	48	442109	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	44
42X60X7	1.654" / 42.000mm	2.362" / 60.000mm	2.371" / 60.220mm	0.276" / 7.000mm	Nitrile	32	442251	1.718" / 43.640mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	44
42X62X8	1.654" / 42.000mm	2.441" / 62.000mm	2.452" / 62.270mm	0.315" / 8.000mm	Nitrile	35	442251V	1.718" / 43.640mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Fluoro-Elastomer	44
42X65X10	1.654" / 42.000mm	2.559" / 65.000mm	2.565" / 65.150mm	0.394" / 10.000mm	Polyacrylate	47	442380	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.312" / 7.920mm	Nitrile	44
42X68X10	1.654" / 42.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.394" / 10.000mm	Nitrile	32	442507	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.250" / 6.350mm	Nitrile	44
42X68X8	1.654" / 42.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	32	442874	2.312" / 58.720mm	3.000" / 76.200mm	3.005" / 76.330mm	0.250" / 6.350mm	Nitrile	44
42X70X10	1.654" / 42.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	32	443018	1.500" / 38.100mm	1.983" / 50.370mm	1.988" / 50.500mm	0.187" / 4.750mm	Nitrile	44
42X72X10	1.654" / 42.000mm	2.835" / 72.000mm	2.845" / 72.270mm	0.394" / 10.000mm	Nitrile	32	4434V	1.552" / 39.420mm	3.160" / 80.260mm	3.166" / 80.420mm	0.567" / 13.460mm	Fluoro-Elastomer	72
42X72X8	1.654" / 42.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	444042	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	44
42X80X8	1.654" / 42.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32	444116	1.812" / 46.020mm	2.327" / 59.110mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	44
43034S	2.250" / 57.150mm	2.875" / 73.030mm	2.879" / 73.130mm	0.250" / 6.350mm	Nitrile	4S	4458V	0.984" / 24.990mm	1.499" / 38.070mm	1.504" / 38.200mm	0.250" / 6.350mm	Fluoro-Elastomer	#
43071S	1.750" / 44.450mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	4S	4462N	0.942" / 23.930mm	2.097" / 53.260mm	2.109" / 53.570mm	0.938" / 23.830mm	Polyacrylate	#
43076S	1.187" / 30.150mm	2.047" / 52.000mm	2.051" / 52.100mm	0.250" / 6.350mm	Nitrile	4S	446927	3.500" / 88.900mm	4.125" / 104.780mm	4.130" / 104.900mm	0.250" / 6.350mm	Nitrile	44
4307V	2.992" / 76.000mm	3.622" / 92.000mm	3.633" / 92.280mm	0.374" / 9.500mm	Fluoro-Elastomer	32	447060	5.250" / 133.350mm	6.250" / 158.750mm	6.256" / 158.900mm	0.250" / 6.350mm	Nitrile	44
43080S	0.500" / 12.700mm	0.875" / 22.230mm	0.879" / 22.330mm	0.187" / 4.750mm	Nitrile	#	447812	2.000" / 50.800mm	2.375" / 60.325mm	2.379" / 60.427mm	0.188" / 4.775mm	Nitrile	44
43086S	2.875" / 73.030mm	4.003" / 101.680mm	4.008" / 101.800mm	0.250" / 6.350mm	Nitrile	4S	44X60X7	1.732" / 44.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	32
43089S	1.375" / 34.930mm	2.374" / 60.300mm	2.378" / 60.400mm	0.250" / 6.350mm	Nitrile	4S	44X62X8	1.732" / 44.000mm	2.441" / 62.000mm	2.451" / 62.260mm	0.315" / 8.000mm	Nitrile	32
43095S	0.500" / 12.700mm	0.749" / 19.020mm	0.753" / 19.130mm	0.093" / 2.360mm	Nitrile	4S	44X65X10	1.732" / 44.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.394" / 10.000mm	Nitrile	35
43290S	2.500" / 63.500mm	3.125" / 79.380mm	3.130" / 79.500mm	0.250" / 6.350mm	Nitrile	4S	44X70X8	1.732" / 44.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32
4333N	1.886" / 47.904mm	2.699" / 68.550mm	2.704" / 68.680mm	0.350" / 8.890mm	Polyacrylate	79	450005	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	45
4353	7.375" / 187.330mm	9.615" / 244.220mm	9.622" / 244.400mm	0.979" / 24.870mm	Fluoro-Elastomer	#	450025	0.687" / 17.450mm	1.375" / 34.930mm	1.379" / 35.030mm	0.406" / 10.310mm	Nitrile	45
4354V	6.625" / 168.280mm	9.615" / 244.220mm	9.622" / 244.400mm	0.979" / 24.870mm	Fluoro-Elastomer	#	450030	0.812" / 20.620mm	1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	45
4370N	1.503" / 38.180mm	2.376" / 60.350mm	2.383" / 60.530mm	0.420" / 10.670mm	Polyacrylate	88	450038	0.906" / 23.010mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45
43X55X8	1.693" / 43.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.315" / 8.000mm	Nitrile	32	450039	0.937" / 23.800mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45
43X65X8	1.693" / 43.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	450040	0.968" / 24.590mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45
440131	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.187" / 4.750mm	Nitrile	44	450043	1.062" / 26.970mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45
440265	1.687" / 42.850mm	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	44	450044	1.093" / 27.760mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45
44052	2.255" / 57.280mm	3.312" / 84.120mm	3.317" / 84.250mm	0.380" / 9.650mm	Nitrile	4S	450048	1.218" / 30.940mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	45
44053	1.821" / 46.250mm	2.623" / 66.620mm	2.627" / 66.730mm	0.250" / 6.350mm	Nitrile	4S	450054	1.343" / 34.110mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	45

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
450065	1.593" / 40.460mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	450159	1.093" / 27.760mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45
450066	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45	450161	1.156" / 29.360mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45
450067	1.500" / 38.100mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450173	1.218" / 30.940mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	45
450068	1.718" / 43.640mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450177	1.250" / 31.750mm	2.106" / 53.490mm	2.110" / 53.590mm	0.468" / 11.890mm	Nitrile	45
450069	1.625" / 41.280mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450183	1.750" / 44.450mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45
450070	1.750" / 44.450mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	450185	1.562" / 39.670mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45
450073	1.656" / 42.060mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450185V	1.562" / 39.670mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Fluoro-Elastomer	45
450076	1.750" / 44.450mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450188	1.062" / 26.970mm	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	45
450078	1.625" / 41.280mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450194	1.625" / 41.280mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45
450082	1.875" / 47.630mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450260	1.656" / 42.060mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45
450083	2.000" / 50.800mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450269	1.781" / 45.240mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45
450084	1.875" / 47.630mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450273	1.562" / 39.670mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45
450085	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450274	1.593" / 40.460mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45
450089	1.781" / 45.240mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450275	1.625" / 41.280mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45
450090	1.812" / 46.020mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450279	1.937" / 49.200mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45
450094	1.937" / 49.200mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450280	1.781" / 45.240mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	45
450094N	1.937" / 49.200mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Polyacrylate	45	450285	1.781" / 45.240mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45
450095	2.000" / 50.800mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450291	1.750" / 44.450mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45
450096	2.062" / 52.370mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450298	1.875" / 47.630mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45
450099	2.250" / 57.150mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450301	2.000" / 50.800mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45
450101	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450307	2.062" / 52.370mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	45
450103	2.375" / 60.330mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450308	2.125" / 53.980mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	45
450104	2.437" / 61.900mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450311	2.062" / 52.370mm	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	45
450111	1.968" / 49.990mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	450313	2.062" / 52.370mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45
450115	2.125" / 53.980mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450316	2.250" / 57.150mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45
450117	1.875" / 47.630mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450317	2.312" / 58.720mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45
450118	1.812" / 46.020mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	45031S	3.750" / 95.250mm	4.999" / 126.970mm	5.004" / 127.100mm	0.250" / 6.350mm	Nitrile	4S
450121	2.125" / 53.980mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	450326	1.500" / 38.100mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45
450132	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450329	2.625" / 66.680mm	3.350" / 85.090mm	3.356" / 85.240mm	0.468" / 11.890mm	Nitrile	45
450133	2.312" / 58.720mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450332	1.125" / 28.580mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45
45013S	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.250" / 6.350mm	Nitrile	4S	450335	1.625" / 41.280mm	3.062" / 77.770mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	45
450143	1.562" / 39.670mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45	450339	0.968" / 24.590mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45
450147	1.312" / 33.320mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450340	0.750" / 19.050mm	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	45
450154	1.687" / 42.850mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450341	1.250" / 31.750mm	2.713" / 68.910mm	2.717" / 69.010mm	0.468" / 11.890mm	Nitrile	45

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
450342	1.062" / 26.970mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	45	450536	0.562" / 14.270mm	1.246" / 31.650mm	1.250" / 31.750mm	0.375" / 9.530mm	Nitrile	45
450343	2.062" / 52.370mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450539	1.625" / 41.280mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	45
450350	2.375" / 60.330mm	3.371" / 85.620mm	3.376" / 85.750mm	0.468" / 11.890mm	Nitrile	45	450540	1.500" / 38.100mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45
450352	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450543V	2.000" / 50.800mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Fluoro-Elastomer	45
450361	1.750" / 44.450mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45	450545	0.968" / 24.590mm	1.575" / 40.010mm	1.579" / 40.110mm	0.375" / 9.530mm	Nitrile	45
450362	1.156" / 29.360mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	45	450588	0.812" / 20.620mm	1.575" / 40.010mm	1.579" / 40.110mm	0.375" / 9.530mm	Nitrile	45
450365	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450593	1.000" / 25.400mm	1.828" / 46.430mm	1.832" / 46.530mm	0.296" / 7.520mm	Nitrile	45
450389	2.000" / 50.800mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450604	1.125" / 28.580mm	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	45
4503N	1.886" / 47.900mm	2.750" / 69.850mm	2.765" / 70.230mm	0.468" / 11.900mm	Polyacrylate	#	450621	2.156" / 54.760mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45
450400	1.750" / 44.450mm	2.250" / 57.150mm	2.254" / 57.250mm	0.359" / 9.120mm	Nitrile	45	450639	2.125" / 53.980mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45
450412	2.625" / 66.680mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45	450666	1.578" / 40.080mm	2.408" / 61.160mm	2.412" / 61.260mm	0.500" / 12.700mm	Nitrile	45
450415	1.625" / 41.280mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450686	2.375" / 60.330mm	3.483" / 88.470mm	3.488" / 88.600mm	0.500" / 12.700mm	Nitrile	45
450430	1.125" / 28.580mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	450693	0.984" / 24.990mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	45
450431	0.812" / 20.620mm	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	45	450737	2.250" / 57.150mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45
450441	2.250" / 57.150mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	45	450765	1.687" / 42.850mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45
450444	1.375" / 34.930mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	45	450776	1.375" / 34.930mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45
450446	2.000" / 50.800mm	2.713" / 68.910mm	2.717" / 69.010mm	0.468" / 11.890mm	Nitrile	45	450803	1.562" / 39.670mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45
450452	1.375" / 34.930mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45	450819	1.625" / 41.280mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	45
450456	1.375" / 34.930mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45	450867	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Nitrile	45
450457	0.984" / 24.990mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	450869	2.156" / 54.760mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45
450461	1.500" / 38.100mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450908V	0.984" / 24.990mm	1.575" / 40.010mm	1.579" / 40.110mm	0.374" / 9.500mm	Fluoro-Elastomer	45
450463	1.375" / 34.930mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	45	450911N	1.968" / 49.990mm	2.742" / 69.650mm	2.746" / 69.750mm	0.500" / 12.700mm	Polyacrylate	45
450467	1.625" / 41.280mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	450965	1.937" / 49.200mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45
450472	1.968" / 49.990mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	450984	1.500" / 38.100mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	45
450474	1.968" / 49.990mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	451078	1.875" / 47.630mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45
450482	1.156" / 29.360mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	45	451082	0.968" / 24.590mm	1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	45
450489	2.187" / 55.550mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	451143	2.625" / 66.680mm	3.251" / 82.580mm	3.256" / 82.700mm	0.437" / 11.100mm	Nitrile	45
450492	1.375" / 34.930mm	3.350" / 85.090mm	3.355" / 85.220mm	0.468" / 11.890mm	Nitrile	45	451147H	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.406" / 10.310mm	Silicone	45
450494	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	45	451182	1.170" / 29.720mm	2.031" / 51.590mm	2.035" / 51.690mm	0.375" / 9.530mm	Nitrile	45
450516	1.375" / 34.930mm	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	45	451469	1.593" / 40.460mm	2.623" / 66.620mm	2.627" / 66.730mm	0.340" / 8.640mm	Nitrile	45
450519	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Nitrile	45	451583	0.968" / 24.590mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	45
450523	1.500" / 38.100mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	45	451583V	0.968" / 24.590mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Fluoro-Elastomer	45
450533	1.687" / 42.850mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	45	451817	1.812" / 46.020mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	45
450535	0.625" / 15.880mm	1.246" / 31.650mm	1.250" / 31.750mm	0.375" / 9.530mm	Nitrile	45	451845	1.250" / 31.750mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	45

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
451857	1.500" / 38.100mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Nitrile	45	455018	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45
45187S	4.000" / 101.600mm	4.876" / 123.850mm	4.881" / 123.980mm	0.250" / 6.350mm	Nitrile	4S	455019	3.000" / 76.200mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
451948	2.062" / 52.370mm	2.875" / 73.030mm	2.879" / 73.130mm	0.437" / 11.100mm	Nitrile	45	455020	3.062" / 77.770mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
452086	1.670" / 42.420mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	45	455022	3.187" / 80.950mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
452222	1.531" / 38.890mm	2.374" / 60.300mm	2.378" / 60.400mm	0.375" / 9.530mm	Nitrile	45	455024	3.312" / 84.120mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
452261H	2.000" / 50.800mm	2.500" / 63.500mm	2.504" / 63.600mm	0.437" / 11.100mm	Silicone	45	455026	3.437" / 87.300mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
452554N	1.500" / 38.100mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Polyacrylate	45	455027	3.500" / 88.900mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
4525V	2.500" / 63.500mm	4.035" / 102.490mm	4.040" / 102.620mm	0.419" / 10.643mm	Fluoro- Elastomer	72	455031	3.750" / 95.250mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
452742	1.781" / 45.240mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	45	455032	3.812" / 96.820mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
4528N	1.890" / 48.000mm	2.559" / 65.000mm	2.565" / 65.150mm	0.965" / 24.500mm	Polyacrylate	66	455033	3.875" / 98.430mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
4529N	1.375" / 34.930mm	2.047" / 52.000mm	2.052" / 52.120mm	0.330" / 8.380mm	Polyacrylate	68	455034	3.937" / 100.000mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45
4530	1.502" / 38.150mm	2.126" / 54.000mm	2.132" / 54.150mm	0.492" / 12.500mm	Polyacrylate	96	455035	4.000" / 101.600mm	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Nitrile	45
453065	1.500" / 38.100mm	2.254" / 57.250mm	2.258" / 57.350mm	0.312" / 7.920mm	Nitrile	45	455035N	4.000" / 101.600mm	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Polyacrylate	45
453165	1.000" / 25.400mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	45	455037	4.062" / 103.170mm	5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45
453182	3.000" / 76.200mm	3.999" / 101.570mm	4.004" / 101.700mm	0.437" / 11.100mm	Nitrile	45	455056	4.125" / 104.780mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	45
453279	1.250" / 31.750mm	3.155" / 80.140mm	3.160" / 80.260mm	0.500" / 12.700mm	Nitrile	45	455070	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	45
4532N	1.375" / 34.930mm	3.542" / 89.970mm	3.549" / 90.140mm	0.397" / 10.080mm	Polyacrylate	93	455073	5.500" / 139.700mm	6.749" / 171.420mm	6.757" / 171.630mm	0.625" / 15.880mm	Nitrile	45
453341	1.625" / 41.280mm	2.374" / 60.300mm	2.378" / 60.400mm	0.437" / 11.100mm	Nitrile	45	455075	5.875" / 149.230mm	7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	45
4539V	2.367" / 60.120mm	3.366" / 85.500mm	3.374" / 85.700mm	0.257" / 6.530mm	Fluoro- Elastomer	75	455079	2.500" / 63.500mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45
454088	2.750" / 69.850mm	4.500" / 114.300mm	4.505" / 114.430mm	0.468" / 11.890mm	Nitrile	45	455080	2.125" / 53.980mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45
454136N	2.250" / 57.150mm	3.350" / 85.090mm	3.355" / 85.220mm	0.312" / 7.920mm	Polyacrylate	45	455086	3.000" / 76.200mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	45
455001	2.500" / 63.500mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455088	3.000" / 76.200mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45
455003	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45	455088V	3.000" / 76.200mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Fluoro- Elastomer	45
455004	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455091	4.875" / 123.830mm	5.999" / 152.370mm	6.007" / 152.580mm	0.625" / 15.880mm	Nitrile	45
455005	2.812" / 71.420mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455093	2.250" / 57.150mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45
455006	2.875" / 73.030mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455096	2.437" / 61.900mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45
455006N	2.875" / 73.030mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Polyacrylate	45	455104	5.250" / 133.350mm	6.499" / 165.070mm	6.507" / 165.280mm	0.625" / 15.880mm	Nitrile	45
455008	2.687" / 68.250mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455117	7.375" / 187.330mm	8.875" / 225.430mm	8.882" / 225.600mm	0.750" / 19.050mm	Nitrile	45
455009	2.750" / 69.850mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455121	7.875" / 200.030mm	9.375" / 238.130mm	9.383" / 238.330mm	0.750" / 19.050mm	Nitrile	45
455011	2.875" / 73.030mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455121V	7.875" / 200.030mm	9.375" / 238.130mm	9.383" / 238.330mm	0.750" / 19.050mm	Fluoro- Elastomer	45
455012	2.937" / 74.600mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455123	8.125" / 206.380mm	10.125" / 257.180mm	10.130" / 257.300mm	0.750" / 19.050mm	Nitrile	45
455013	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455129	8.875" / 225.430mm	10.875" / 276.230mm	10.885" / 276.480mm	0.750" / 19.050mm	Nitrile	45
455014	3.000" / 76.200mm	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45	455134	4.125" / 104.780mm	4.999" / 126.970mm	5.005" / 127.130mm	0.468" / 11.890mm	Nitrile	45
455015	3.062" / 77.770mm	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45	455136	2.250" / 57.150mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	45

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
455137	3.250" / 82.550mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455321	2.312" / 58.720mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45
455144	2.875" / 73.030mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455322	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45
455146	3.500" / 88.900mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455322N	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	45
455147	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45	455322V	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Fluoro-Elastomer	45
455151	2.687" / 68.250mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	455328	3.250" / 82.550mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45
455154	3.000" / 76.200mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45	455330	6.125" / 155.580mm	7.125" / 180.980mm	7.133" / 181.180mm	0.625" / 15.880mm	Nitrile	45
455165	3.375" / 85.730mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45	455336	3.187" / 80.950mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45
455173	3.500" / 88.900mm	4.751" / 120.680mm	4.756" / 120.800mm	0.625" / 15.880mm	Nitrile	45	455355	2.875" / 73.030mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45
455186	3.937" / 100.000mm	4.876" / 123.850mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	45	455356	2.937" / 74.600mm	4.499" / 114.270mm	4.504" / 114.400mm	0.468" / 11.890mm	Nitrile	45
455188	4.000" / 101.600mm	5.126" / 130.200mm	5.131" / 130.330mm	0.625" / 15.880mm	Nitrile	45	455364	2.750" / 69.850mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45
455189	3.812" / 96.820mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455368	2.625" / 66.680mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45
455191	3.937" / 100.000mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455379	3.750" / 95.250mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	45
455192	4.000" / 101.600mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455396	3.500" / 88.900mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Nitrile	45
455194	4.187" / 106.350mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455406	7.750" / 196.850mm	9.250" / 234.950mm	9.260" / 235.200mm	0.625" / 15.880mm	Nitrile	45
455195	4.250" / 107.950mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45	455434	2.687" / 68.250mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Nitrile	45
455197	4.312" / 109.520mm	5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45	455448	5.250" / 133.350mm	6.250" / 158.750mm	6.256" / 158.900mm	0.562" / 14.270mm	Nitrile	45
455197N	4.312" / 109.520mm	5.501" / 139.730mm	5.506" / 139.850mm	0.562" / 14.270mm	Polyacrylate	45	455462	9.000" / 228.600mm	10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	45
455200	4.500" / 114.300mm	5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	45	455471	3.437" / 87.300mm	5.250" / 133.350mm	5.256" / 133.500mm	0.468" / 11.890mm	Nitrile	45
455200N	4.500" / 114.300mm	5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Polyacrylate	45	455475	8.250" / 209.550mm	9.250" / 234.950mm	9.258" / 235.150mm	0.625" / 15.880mm	Nitrile	45
455203	4.125" / 104.780mm	6.000" / 152.400mm	6.007" / 152.580mm	0.625" / 15.880mm	Nitrile	45	455476	9.000" / 228.600mm	10.250" / 260.350mm	10.260" / 260.600mm	0.750" / 19.050mm	Nitrile	45
455249	3.375" / 85.730mm	4.688" / 119.080mm	4.693" / 119.200mm	0.500" / 12.700mm	Nitrile	45	455479	3.000" / 76.200mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45
455251H	4.812" / 122.220mm	5.751" / 146.080mm	5.756" / 146.200mm	0.562" / 14.270mm	Silicone	45	455479V	3.000" / 76.200mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Fluoro-Elastomer	45
455253	2.000" / 50.800mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455480	6.250" / 158.750mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45
45525S	3.500" / 88.900mm	4.125" / 104.780mm	4.130" / 104.900mm	0.250" / 6.350mm	Nitrile	4S	455480V	6.250" / 158.750mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Fluoro-Elastomer	45
455260	2.062" / 52.370mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	45	455499	3.437" / 87.300mm	4.249" / 107.920mm	4.254" / 108.050mm	0.625" / 15.880mm	Nitrile	45
455272	2.750" / 69.850mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	455500	3.298" / 83.770mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45
455280	2.562" / 65.070mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	455509	3.000" / 76.200mm	3.936" / 99.970mm	3.941" / 100.100mm	0.500" / 12.700mm	Nitrile	45
455285	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.625" / 15.880mm	Nitrile	45	455513	4.000" / 101.600mm	5.626" / 142.900mm	5.631" / 143.030mm	0.500" / 12.700mm	Nitrile	45
455290	5.062" / 128.570mm	6.374" / 161.900mm	6.382" / 162.100mm	0.625" / 15.880mm	Nitrile	45	455536	1.750" / 44.450mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45
455294	6.500" / 165.100mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45	455547	3.875" / 98.430mm	5.126" / 130.200mm	5.131" / 130.330mm	0.625" / 15.880mm	Nitrile	45
455297	5.875" / 149.230mm	7.500" / 190.500mm	7.508" / 190.700mm	0.562" / 14.270mm	Nitrile	45	455556	2.875" / 73.030mm	4.376" / 111.150mm	4.381" / 111.280mm	0.625" / 15.880mm	Nitrile	45
455308	1.500" / 38.100mm	3.544" / 90.020mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455566	3.250" / 82.550mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	45
455310	2.875" / 73.030mm	4.335" / 110.110mm	4.340" / 110.240mm	0.437" / 11.100mm	Nitrile	45	455576	5.375" / 136.530mm	6.499" / 165.070mm	6.507" / 165.280mm	0.562" / 14.270mm	Nitrile	45
455311	2.562" / 65.070mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Nitrile	45	455583N	6.187" / 157.150mm	7.500" / 190.500mm	7.507" / 190.680mm	0.562" / 14.270mm	Polyacrylate	45

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
455584	6.875" / 174.630mm	8.375" / 212.730mm	8.382" / 212.900mm	0.625" / 15.880mm	Nitrile	45	456919V	3.687" / 93.650mm	4.501" / 114.330mm	4.506" / 114.450mm	0.500" / 12.700mm	Fluoro- Elastomer	45
455655	2.500" / 63.500mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	45	456967V	4.000" / 101.600mm	5.000" / 127.000mm	5.005" / 127.130mm	0.312" / 7.920mm	Fluoro- Elastomer	45
455685	4.625" / 117.480mm	5.875" / 149.230mm	5.881" / 149.380mm	0.625" / 15.880mm	Nitrile	45	457295	4.437" / 112.700mm	5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Nitrile	25
455820	3.000" / 76.200mm	4.875" / 123.830mm	4.881" / 123.980mm	0.625" / 15.880mm	Nitrile	45	457585	4.562" / 115.870mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	45
455828V	8.500" / 215.900mm	9.500" / 241.300mm	9.509" / 241.530mm	0.625" / 15.880mm	Fluoro- Elastomer	45	4577	1.874" / 47.600mm	2.676" / 67.970mm	2.682" / 68.120mm	0.410" / 10.410mm	Polyacrylate	74
455858	3.437" / 87.300mm	4.756" / 120.800mm	4.761" / 120.930mm	0.562" / 14.270mm	Nitrile	45	457874	6.125" / 155.580mm	7.627" / 193.730mm	7.633" / 193.880mm	0.625" / 15.880mm	Nitrile	45
455860	2.375" / 60.330mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Nitrile	45	457997	10.500" / 266.700mm	12.000" / 304.800mm	12.008" / 305.000mm	0.625" / 15.880mm	Nitrile	45
455867V	7.500" / 190.500mm	8.500" / 215.900mm	8.509" / 216.130mm	0.625" / 15.880mm	Fluoro- Elastomer	45	45825S	3.125" / 79.380mm	3.751" / 95.280mm	3.756" / 95.400mm	0.250" / 6.350mm	Nitrile	4S
455948	6.875" / 174.630mm	7.875" / 200.030mm	7.883" / 200.230mm	0.625" / 15.880mm	Nitrile	45	45827S	2.750" / 69.850mm	3.501" / 88.930mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	4S
455956H	5.187" / 131.750mm	6.500" / 165.100mm	6.507" / 165.280mm	0.625" / 15.880mm	Silicone	45	4583	1.502" / 38.150mm	2.377" / 60.380mm	2.381" / 60.480mm	0.374" / 9.500mm	Polyacrylate	86
455958	3.875" / 98.430mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	45	458301	4.625" / 117.475mm	5.626" / 142.900mm	5.631" / 143.027mm	0.500" / 12.700mm	Fluoroelasto- mer	45
455966	8.750" / 222.250mm	10.500" / 266.700mm	10.510" / 266.950mm	0.750" / 19.050mm	Nitrile	45	458302	6.500" / 165.100mm	7.500" / 190.500mm	7.506" / 190.652mm	0.500" / 12.700mm	Fluoroelasto- mer	45
455995N	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.375" / 9.530mm	Polyacrylate	45	458303	5.750" / 146.050mm	7.000" / 177.800mm	7.006" / 177.952mm	0.500" / 12.700mm	Fluoroelasto- mer	45
456055	6.000" / 152.400mm	7.001" / 177.830mm	7.008" / 178.000mm	0.625" / 15.880mm	Fluoro- Elastomer	45	458305	5.500" / 139.700mm	6.750" / 171.450mm	6.756" / 171.602mm	0.500" / 12.700mm	Fluoroelasto- mer	45
456057	1.937" / 49.200mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Nitrile	45	458306	4.500" / 114.300mm	5.501" / 139.725mm	5.506" / 139.852mm	0.438" / 11.125mm	Fluoroelasto- mer	45
456105	3.187" / 80.950mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	45	458307	2.438" / 61.925mm	3.500" / 88.900mm	3.505" / 89.027mm	0.438" / 11.125mm	Fluoroelasto- mer	45
456141	4.312" / 109.520mm	5.376" / 136.550mm	5.381" / 136.680mm	0.500" / 12.700mm	Nitrile	45	458308	1.938" / 49.225mm	2.875" / 73.025mm	2.879" / 73.127mm	0.313" / 7.950mm	Fluoroelasto- mer	45
456192	5.500" / 139.700mm	7.500" / 190.500mm	7.507" / 190.680mm	0.562" / 14.270mm	Nitrile	45	458309	3.938" / 100.025mm	4.999" / 126.975mm	5.004" / 127.102mm	0.438" / 11.125mm	Fluoroelasto- mer	45
4561V	2.503" / 63.580mm	3.428" / 87.070mm	3.439" / 87.350mm	0.709" / 18.010mm	Fluoro- Elastomer	#	458310	5.625" / 142.875mm	6.625" / 168.275mm	6.631" / 168.427mm	0.500" / 12.700mm	Fluoroelasto- mer	45
456305	3.250" / 82.550mm	4.751" / 120.680mm	4.756" / 120.800mm	0.484" / 12.290mm	Nitrile	45	458311	9.000" / 228.600mm	11.000" / 279.400mm	11.008" / 279.603mm	0.625" / 15.875mm	Nitrile	45
45637S	4.687" / 119.050mm	6.002" / 152.450mm	6.007" / 152.580mm	0.250" / 6.350mm	Nitrile	4S	458312	10.250" / 260.350mm	11.250" / 285.750mm	11.258" / 285.953mm	0.563" / 14.300mm	Nitrile	45
4563V	2.938" / 74.630mm	3.937" / 100.000mm	3.947" / 100.250mm	0.552" / 14.020mm	Fluoro- Elastomer	#	458313	11.500" / 292.100mm	13.000" / 330.200mm	13.008" / 330.403mm	0.625" / 15.875mm	Nitrile	45
456462	9.000" / 228.600mm	10.375" / 263.530mm	10.384" / 263.750mm	0.625" / 15.880mm	Nitrile	45	458314	8.500" / 215.900mm	9.750" / 247.650mm	9.758" / 247.853mm	0.625" / 15.875mm	Nitrile	45
4564V	2.748" / 69.800mm	3.876" / 98.450mm	3.886" / 98.700mm	0.552" / 14.020mm	Fluoro- Elastomer	#	4598	2.000" / 50.800mm	2.878" / 73.100mm	2.882" / 73.200mm	0.340" / 8.640mm	Polyacrylate	83
45653S	1.937" / 49.200mm	3.500" / 88.900mm	3.505" / 89.030mm	0.250" / 6.350mm	Nitrile	4S	45X58X7	1.772" / 45.000mm	2.283" / 58.000mm	2.294" / 58.280mm	0.276" / 7.000mm	Nitrile	35
456557	5.125" / 130.180mm	6.125" / 155.580mm	6.131" / 155.730mm	0.500" / 12.700mm	Fluoro- Elastomer	45	45X60X10	1.772" / 45.000mm	2.362" / 60.000mm	2.372" / 60.250mm	0.394" / 10.000mm	Nitrile	32
456618	3.880" / 98.550mm	5.690" / 144.530mm	5.695" / 144.650mm	0.500" / 12.700mm	Nitrile	45	45X60X7	1.772" / 45.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Nitrile	35
456641	4.625" / 117.480mm	5.500" / 139.700mm	5.506" / 139.850mm	0.562" / 14.270mm	Silicone	45	45X60X8	1.772" / 45.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	32
456648	3.312" / 84.120mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Nitrile	45	45X62X8	1.772" / 45.000mm	2.441" / 62.000mm	2.453" / 62.300mm	0.315" / 8.000mm	Nitrile	35
456744N	3.625" / 92.080mm	4.375" / 111.130mm	4.381" / 111.280mm	0.375" / 9.530mm	Polyacrylate	45	45X65X8	1.772" / 45.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.315" / 8.000mm	Nitrile	32
456799	3.164" / 80.370mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Nitrile	45	45X70X10	1.772" / 45.000mm	2.756" / 70.000mm	2.763" / 70.180mm	0.394" / 10.000mm	Nitrile	32
456837V	2.843" / 72.210mm	4.003" / 101.680mm	4.008" / 101.800mm	0.500" / 12.700mm	Fluoro- Elastomer	45	45X72X7	1.772" / 45.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.276" / 7.000mm	Nitrile	35
456865N	5.000" / 127.000mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Polyacrylate	45	45X72X95	1.772" / 45.000mm	2.835" / 72.000mm	2.844" / 72.250mm	0.374" / 9.500mm	Nitrile	32
456890	4.812" / 122.220mm	6.250" / 158.750mm	6.256" / 158.900mm	0.500" / 12.700mm	Nitrile	45	45X75X7	1.772" / 45.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
45X80X10	1.772" / 45.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	470140N	1.250" / 31.750mm	1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Polyacrylate	47
45X85X10	1.772" / 45.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Nitrile	32	470141	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	47
4613N	1.377" / 34.980mm	2.874" / 73.000mm	2.881" / 73.180mm	0.693" / 17.600mm	Polyacrylate	57	470162	1.187" / 30.150mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47
4614N	1.377" / 34.980mm	2.162" / 54.910mm	2.167" / 55.040mm	0.354" / 9.000mm	Polyacrylate	87	470163	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47
4615V	1.654" / 42.000mm	2.638" / 67.000mm	2.643" / 67.130mm	0.282" / 7.160mm	Fluoro-Elastomer	83	470163V	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Fluoro-Elastomer	47
4624V	2.503" / 63.580mm	3.628" / 92.150mm	3.633" / 92.280mm	0.500" / 12.700mm	Fluoro-Elastomer	86	470165	1.250" / 31.750mm	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47
4635V	2.141" / 54.380mm	3.484" / 88.490mm	3.493" / 88.720mm	0.329" / 8.360mm	Fluoro-Elastomer	#	470169	1.375" / 34.930mm	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47
4638N	1.375" / 34.930mm	1.982" / 50.340mm	1.989" / 50.520mm	0.192" / 4.880mm	Polyacrylate	47	470189	1.125" / 28.580mm	1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Nitrile	47
4674N	1.605" / 40.770mm	2.795" / 71.000mm	2.804" / 71.220mm	0.364" / 9.250mm	Polyacrylate	#	470195	0.312" / 7.920mm	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47
46997S	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.250" / 6.350mm	Nitrile	4S	470199	0.437" / 11.100mm	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47
46X65X10	1.811" / 46.000mm	2.559" / 65.000mm	2.571" / 65.300mm	0.394" / 10.000mm	Nitrile	32	4701N	0.408" / 10.360mm	1.004" / 25.500mm	1.008" / 25.600mm	0.208" / 5.280mm	Polyacrylate	49
46X65X7	1.811" / 46.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Nitrile	32	470207	0.906" / 23.010mm	1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	47
46X70X8	1.811" / 46.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	470211	0.750" / 19.050mm	1.624" / 41.250mm	1.628" / 41.350mm	0.437" / 11.100mm	Nitrile	47
470004	0.468" / 11.890mm	1.124" / 28.550mm	1.126" / 28.600mm	0.375" / 9.530mm	Nitrile	47	470219	1.000" / 25.400mm	1.624" / 41.250mm	1.628" / 41.350mm	0.437" / 11.100mm	Nitrile	47
470005	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	47	470230	1.000" / 25.400mm	1.752" / 44.500mm	1.756" / 44.600mm	0.437" / 11.100mm	Nitrile	47
470027	0.750" / 19.050mm	1.375" / 34.930mm	1.379" / 35.030mm	0.406" / 10.310mm	Nitrile	47	470236	1.125" / 28.580mm	1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	47
470034	0.781" / 19.840mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470241	1.125" / 28.580mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47
470041	1.000" / 25.400mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470244	1.250" / 31.750mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47
470045	1.125" / 28.580mm	1.828" / 46.430mm	1.832" / 46.530mm	0.437" / 11.100mm	Nitrile	47	470245	1.250" / 31.750mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47
470049	1.250" / 31.750mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	470308N	2.125" / 53.980mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Polyacrylate	47
470050	1.281" / 32.540mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	470328	1.187" / 30.150mm	1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	47
470055N	1.375" / 34.930mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Polyacrylate	47	470331N	1.843" / 46.810mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Polyacrylate	47
470059	1.500" / 38.100mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	47	470334	1.750" / 44.450mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47
470062	1.437" / 36.500mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470336	1.187" / 30.150mm	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	47
470064	1.562" / 39.670mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470347	1.187" / 30.150mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47
470066	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470351	1.750" / 44.450mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47
470074	1.687" / 42.850mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	470354	2.187" / 55.550mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47
470077	1.500" / 38.100mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	47	470358	1.625" / 41.280mm	2.374" / 60.300mm	2.378" / 60.400mm	0.500" / 12.700mm	Nitrile	47
470086	1.687" / 42.850mm	3.062" / 77.770mm	3.066" / 77.880mm	0.500" / 12.700mm	Nitrile	47	470361	1.750" / 44.450mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47
470088	1.750" / 44.450mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47	470361V	1.750" / 44.450mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Fluoro-Elastomer	47
470119	0.500" / 12.700mm	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	47	470362	1.156" / 29.360mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47
470120	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.390" / 9.910mm	Nitrile	47	470380	1.500" / 38.100mm	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47
470135	1.375" / 34.930mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470380K	1.500" / 38.100mm	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47
470138V	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Fluoro-Elastomer	47	470380V	1.500" / 38.100mm	2.375" / 60.330mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
470390	0.750" / 19.050mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	470680	0.875" / 22.230mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	47
470394	1.500" / 38.100mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Nitrile	47	470682	1.562" / 39.670mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47
470398	0.875" / 22.230mm	1.374" / 34.900mm	1.378" / 35.000mm	0.406" / 10.310mm	Nitrile	47	470687	1.687" / 42.850mm	3.125" / 79.380mm	3.130" / 79.500mm	0.500" / 12.700mm	Nitrile	47
470403	1.375" / 34.930mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470712	1.125" / 28.580mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
470409	1.937" / 49.200mm	2.412" / 61.260mm	2.416" / 61.370mm	0.468" / 11.890mm	Nitrile	47	470712K	1.125" / 28.580mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
470451	1.500" / 38.100mm	2.062" / 52.370mm	2.066" / 52.480mm	0.437" / 11.100mm	Nitrile	47	470712V	1.125" / 28.580mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47
470460	1.687" / 42.850mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47	470737	2.250" / 57.150mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Nitrile	47
470487	1.500" / 38.100mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47	470737N	2.250" / 57.150mm	3.189" / 81.000mm	3.194" / 81.130mm	0.437" / 11.100mm	Polyacrylate	47
470487N	1.500" / 38.100mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Polyacrylate	47	470764	2.375" / 60.330mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Nitrile	47
470503	1.312" / 33.320mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Nitrile	47	470774	1.375" / 34.930mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47
470506	0.718" / 18.240mm	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	47	470774V	1.375" / 34.930mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Fluoro-Elastomer	47
470515	0.812" / 20.620mm	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	47	470806	1.250" / 31.750mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47
470530	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	470808	1.437" / 36.500mm	2.750" / 69.850mm	2.754" / 69.950mm	0.500" / 12.700mm	Nitrile	47
470530V	2.000" / 50.800mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Fluoro-Elastomer	47	470895	0.750" / 19.050mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47
470543	2.000" / 50.800mm	2.717" / 69.000mm	2.720" / 69.090mm	0.468" / 11.890mm	Nitrile	47	470898	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47
470547	2.882" / 73.200mm	3.431" / 87.150mm	3.436" / 87.270mm	0.291" / 7.390mm	Nitrile	47	470898V	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47
470548	1.500" / 38.100mm	2.250" / 57.150mm	2.254" / 57.250mm	0.375" / 9.530mm	Nitrile	47	470946	1.187" / 30.150mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47
470553	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	47	470950	1.375" / 34.930mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
470557	0.625" / 15.880mm	1.377" / 34.980mm	1.381" / 35.080mm	0.406" / 10.310mm	Nitrile	47	470954	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47
470565	2.375" / 60.330mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	470954V	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	47
470567	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	470987	2.375" / 60.330mm	3.481" / 88.420mm	3.486" / 88.540mm	0.437" / 11.100mm	Nitrile	47
470567N	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Polyacrylate	47	470989	1.375" / 34.930mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	47
470574N	2.375" / 60.330mm	3.251" / 82.580mm	3.256" / 82.700mm	0.500" / 12.700mm	Polyacrylate	47	471015	0.937" / 23.800mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47
470590	0.875" / 22.230mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471076	1.031" / 26.190mm	1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47
470596	1.687" / 42.850mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	471103	0.375" / 9.530mm	0.999" / 25.370mm	1.004" / 25.500mm	0.250" / 6.350mm	Nitrile	47
470596V	1.687" / 42.850mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Fluoro-Elastomer	47	471105	1.375" / 34.930mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Nitrile	47
470601	0.781" / 19.840mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471137	0.875" / 22.230mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47
470605	2.500" / 63.500mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	47	471138	2.250" / 57.150mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47
470606	1.062" / 26.970mm	1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	47	471141	1.750" / 44.450mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47
470625	1.500" / 38.100mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	471141V	1.750" / 44.450mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47
470625K	1.500" / 38.100mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	471169	1.750" / 44.450mm	2.411" / 61.240mm	2.415" / 61.340mm	0.380" / 9.650mm	Nitrile	47
470625V	1.500" / 38.100mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	47	471169N	1.750" / 44.450mm	2.411" / 61.240mm	2.415" / 61.340mm	0.380" / 9.650mm	Polyacrylate	47
470645	0.875" / 22.230mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	471192	1.375" / 34.930mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47
470672	1.399" / 35.530mm	2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	47	471192V	1.375" / 34.930mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Fluoro-Elastomer	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
471193	1.301" / 33.050mm	2.000" / 50.800mm	2.004" / 50.900mm	0.437" / 11.100mm	Nitrile	47	471405	1.437" / 36.500mm	3.000" / 76.200mm	3.005" / 76.330mm	0.500" / 12.700mm	Nitrile	47
471195	1.937" / 49.200mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	471407	1.250" / 31.750mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47
471224	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471413	1.250" / 31.750mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47
471224V	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471413K	1.250" / 31.750mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47
471231	0.812" / 20.620mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47	471413V	1.250" / 31.750mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471231V	0.812" / 20.620mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Fluoro-Elastomer	47	471419	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
471255	0.625" / 15.880mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471424	2.000" / 50.800mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47
471255K	0.625" / 15.880mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471424V	2.000" / 50.800mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471255V	0.625" / 15.880mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471442	0.500" / 12.700mm	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	47
471264	0.625" / 15.880mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47	471442V	0.500" / 12.700mm	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471264V	0.625" / 15.880mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471443	0.781" / 19.840mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47
471267	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47	471466	0.625" / 15.880mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47
471267V	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471466V	0.625" / 15.880mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471268N	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.375" / 9.530mm	Polyacrylate	47	471472	0.500" / 12.700mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47
471270	1.000" / 25.400mm	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Nitrile	47	471498	0.750" / 19.050mm	1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47
471270V	1.000" / 25.400mm	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471504	1.750" / 44.450mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47
471271	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	47150S	4.250" / 107.950mm	5.250" / 133.350mm	5.256" / 133.500mm	0.250" / 6.350mm	Nitrile	4S
471271K	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	471516	1.000" / 25.400mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47
471271V	2.500" / 63.500mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471526	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47
471272	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471526V	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471272K	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	471529	0.687" / 17.450mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47
471272N	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Polyacrylate	47	471530	0.531" / 13.490mm	1.124" / 28.550mm	1.128" / 28.650mm	0.312" / 7.920mm	Nitrile	47
471272V	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471532	0.593" / 15.060mm	1.124" / 28.550mm	1.128" / 28.650mm	0.312" / 7.920mm	Nitrile	47
471276	1.375" / 34.930mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471535	0.562" / 14.270mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47
471276V	1.375" / 34.930mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Fluoro-Elastomer	47	471538	0.687" / 17.450mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47
471281	0.562" / 14.270mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47	471539	0.812" / 20.620mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	47
471316	1.562" / 39.670mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	471549	0.500" / 12.700mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47
471337	0.781" / 19.840mm	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471551	0.562" / 14.270mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47
471341	2.250" / 57.150mm	2.996" / 76.100mm	3.001" / 76.230mm	0.437" / 11.100mm	Nitrile	47	471553	0.687" / 17.450mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47
471341N	2.250" / 57.150mm	2.996" / 76.100mm	3.001" / 76.230mm	0.437" / 11.100mm	Polyacrylate	47	471554	0.750" / 19.050mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	47
471344	1.500" / 38.100mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	471554V	0.750" / 19.050mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471354	1.187" / 30.150mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471558	0.593" / 15.060mm	1.375" / 34.930mm	1.379" / 35.030mm	0.312" / 7.920mm	Nitrile	47
471379	1.375" / 34.930mm	3.150" / 80.010mm	3.154" / 80.110mm	0.375" / 9.530mm	Nitrile	47	471564	0.625" / 15.880mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47
471391	1.937" / 49.200mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	471567	0.750" / 19.050mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
471570	0.875" / 22.230mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471730	0.875" / 22.230mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
471570V	0.875" / 22.230mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471733	1.000" / 25.400mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
471571	0.937" / 23.800mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47	471735	1.062" / 26.970mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
471571V	0.937" / 23.800mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471736	1.156" / 29.360mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
471579	0.687" / 17.450mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	47	471737	1.250" / 31.750mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
471612	0.625" / 15.880mm	1.575" / 40.010mm	1.579" / 40.110mm	0.312" / 7.920mm	Nitrile	47	471737V	1.250" / 31.750mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471619	1.000" / 25.400mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47	471744	1.000" / 25.400mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47
471633	0.875" / 22.230mm	1.577" / 40.060mm	1.581" / 40.160mm	0.250" / 6.350mm	Nitrile	47	471747	1.125" / 28.580mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47
471642	0.687" / 17.450mm	1.499" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471750	1.250" / 31.750mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47
471643	0.750" / 19.050mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471750K	1.250" / 31.750mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47
471645	0.812" / 20.620mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471750V	1.250" / 31.750mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471645V	0.812" / 20.620mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471760	1.000" / 25.400mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471646	0.875" / 22.230mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471760V	1.000" / 25.400mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471647	0.937" / 23.800mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471762	1.062" / 26.970mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471648	0.968" / 24.590mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471763	1.125" / 28.580mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471649	1.000" / 25.400mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471763V	1.125" / 28.580mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471649V	1.000" / 25.400mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471764	1.156" / 29.360mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471651	1.062" / 26.970mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471765	1.187" / 30.150mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471652	1.125" / 28.580mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471766	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471652K	1.125" / 28.580mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47	471766K	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
471652V	1.125" / 28.580mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471766V	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471653	0.625" / 15.880mm	1.624" / 41.250mm	1.628" / 41.350mm	0.312" / 7.920mm	Nitrile	47	471785	1.125" / 28.580mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47
471684	0.750" / 19.050mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471787	1.250" / 31.750mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	47
471686	0.812" / 20.620mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471787V	1.250" / 31.750mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471688	0.968" / 24.590mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471795	1.250" / 31.750mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	47
471689	1.000" / 25.400mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471795N	1.250" / 31.750mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Polyacrylate	47
471689V	1.000" / 25.400mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471795V	1.250" / 31.750mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Fluoro-Elastomer	47
471692	1.125" / 28.580mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47	471801	1.250" / 31.750mm	2.252" / 57.200mm	2.256" / 57.300mm	0.375" / 9.530mm	Nitrile	47
471692V	1.125" / 28.580mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47	471808	1.250" / 31.750mm	2.374" / 60.300mm	2.378" / 60.400mm	0.375" / 9.530mm	Nitrile	47
471698	0.750" / 19.050mm	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471818	1.250" / 31.750mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
471705	1.062" / 26.970mm	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471820	1.500" / 38.100mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
471707	1.156" / 29.360mm	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Nitrile	47	471821	1.562" / 39.670mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
471707N	1.156" / 29.360mm	1.752" / 44.500mm	1.756" / 44.600mm	0.312" / 7.920mm	Polyacrylate	47	471827	1.562" / 39.670mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47
471729	0.812" / 20.620mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	471829	1.625" / 41.280mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
471831	1.750" / 44.450mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	472164	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47
471833	1.250" / 31.750mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	472164V	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471835	1.375" / 34.930mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	472179	1.750" / 44.450mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47
471841	1.843" / 46.810mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	472179V	1.750" / 44.450mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471845N	1.250" / 31.750mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Polyacrylate	47	472185	1.750" / 44.450mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47
471847N	1.375" / 34.930mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Polyacrylate	47	472185V	1.750" / 44.450mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471854	1.937" / 49.200mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47	472189A	1.500" / 38.100mm	2.377" / 60.380mm	2.381" / 60.480mm	0.500" / 12.700mm	Nitrile	47
471862	1.437" / 36.500mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	472193	1.750" / 44.450mm	2.561" / 65.050mm	2.566" / 65.180mm	0.312" / 7.920mm	Nitrile	47
471866	1.812" / 46.020mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	472213	1.562" / 39.670mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47
471868	1.875" / 47.630mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	472222	1.531" / 38.890mm	2.374" / 60.300mm	2.378" / 60.430mm	0.375" / 9.530mm	Nitrile	47
471869	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	472234	2.187" / 55.550mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47
471870	2.000" / 50.800mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	47	472238	0.968" / 24.590mm	2.440" / 61.980mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47
471883	2.000" / 50.800mm	2.686" / 68.220mm	2.690" / 68.330mm	0.437" / 11.100mm	Nitrile	47	472239	1.156" / 29.360mm	2.834" / 71.980mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47
471887	2.437" / 61.900mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472258	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47
471904	1.312" / 33.320mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	472258K	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47
471915	1.500" / 38.100mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	472258V	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471950	2.125" / 53.980mm	2.758" / 70.050mm	2.762" / 70.150mm	0.437" / 11.100mm	Nitrile	47	472287	1.375" / 34.930mm	2.106" / 53.490mm	2.110" / 53.590mm	0.312" / 7.920mm	Nitrile	47
471952	2.187" / 55.550mm	2.835" / 72.010mm	2.839" / 72.110mm	0.468" / 11.890mm	Nitrile	47	472299	1.562" / 39.670mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47
471958	1.500" / 38.100mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472299V	1.562" / 39.670mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47
471981	1.687" / 42.850mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472311	1.000" / 25.400mm	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Nitrile	47
471984	1.750" / 44.450mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472311V	1.000" / 25.400mm	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Fluoro-Elastomer	47
472012	2.062" / 52.370mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472319	1.937" / 49.200mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47
472015	2.125" / 53.980mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472324	0.984" / 24.990mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47
472016	2.125" / 53.980mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472324V	0.984" / 24.990mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	47
472018	2.187" / 55.550mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	472341	2.000" / 50.800mm	2.742" / 69.650mm	2.746" / 69.750mm	0.375" / 9.530mm	Nitrile	47
472020	2.187" / 55.550mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472350	1.187" / 30.150mm	2.165" / 55.000mm	2.169" / 55.090mm	0.250" / 6.350mm	Nitrile	47
472029	2.500" / 63.500mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	472354	1.375" / 34.930mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47
472041	1.875" / 47.630mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	47	472354V	1.375" / 34.930mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Fluoro-Elastomer	47
472070	1.812" / 46.020mm	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	472394	1.937" / 49.200mm	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47
472082	2.000" / 50.800mm	2.880" / 73.150mm	2.884" / 73.250mm	0.375" / 9.530mm	Nitrile	47	472397	2.000" / 50.800mm	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47
472138	1.000" / 25.400mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	472397V	2.000" / 50.800mm	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Fluoro-Elastomer	47
472144	1.937" / 49.200mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47	472409	2.125" / 53.980mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47
472150	2.312" / 58.720mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	47	472419	1.625" / 41.280mm	2.116" / 53.750mm	2.120" / 53.850mm	0.312" / 7.920mm	Nitrile	47
472157	4.250" / 107.950mm	5.251" / 133.380mm	5.256" / 133.500mm	0.375" / 9.530mm	Nitrile	47	472432	1.187" / 30.150mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
472439	1.875" / 47.630mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	472747	1.875" / 47.630mm	2.470" / 62.740mm	2.475" / 62.870mm	0.437" / 11.100mm	Nitrile	47
472439V	1.875" / 47.630mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472810	0.437" / 11.100mm	0.875" / 22.230mm	0.880" / 22.350mm	0.250" / 6.350mm	Nitrile	47
472446	1.500" / 38.100mm	3.150" / 80.010mm	3.155" / 80.140mm	0.500" / 12.700mm	Nitrile	47	472826	1.312" / 33.320mm	2.062" / 52.370mm	2.066" / 52.480mm	0.312" / 7.920mm	Nitrile	47
472452	0.843" / 21.410mm	1.374" / 34.900mm	1.378" / 35.000mm	0.312" / 7.920mm	Nitrile	47	472843	1.375" / 34.930mm	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47
472466	1.500" / 38.100mm	2.048" / 52.020mm	2.052" / 52.120mm	0.375" / 9.530mm	Nitrile	47	472856	2.375" / 60.330mm	3.350" / 85.090mm	3.355" / 85.220mm	0.438" / 11.130mm	Nitrile	47
472467	0.500" / 12.700mm	1.378" / 35.000mm	1.382" / 35.100mm	0.406" / 10.310mm	Nitrile	47	472878	0.735" / 18.670mm	1.248" / 31.700mm	1.252" / 31.800mm	0.250" / 6.350mm	Nitrile	47
472473	3.375" / 85.730mm	4.376" / 111.150mm	4.381" / 111.280mm	0.375" / 9.530mm	Nitrile	47	472920	2.250" / 57.150mm	3.371" / 85.620mm	3.376" / 85.750mm	0.375" / 9.530mm	Nitrile	47
472475	1.187" / 30.150mm	1.874" / 47.600mm	1.878" / 47.700mm	0.250" / 6.350mm	Nitrile	47	472924	2.000" / 50.800mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47
472492	2.000" / 50.800mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	472924V	2.000" / 50.800mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	47
472492V	2.000" / 50.800mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Fluoro-Elastomer	47	472950	0.812" / 20.620mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47
472535	1.125" / 28.580mm	2.533" / 64.340mm	2.537" / 64.440mm	0.250" / 6.350mm	Nitrile	47	472951	0.937" / 23.800mm	1.750" / 44.450mm	1.754" / 44.550mm	0.312" / 7.920mm	Nitrile	47
472536	1.250" / 31.750mm	2.877" / 73.080mm	2.881" / 73.180mm	0.250" / 6.350mm	Nitrile	47	472953	1.062" / 26.970mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47
472538	0.750" / 19.050mm	2.127" / 54.030mm	2.131" / 54.130mm	0.250" / 6.350mm	Nitrile	47	472953V	1.062" / 26.970mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Fluoro-Elastomer	47
472539	1.000" / 25.400mm	2.533" / 64.340mm	2.537" / 64.440mm	0.250" / 6.350mm	Nitrile	47	472954	1.125" / 28.580mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47
472554	1.500" / 38.100mm	1.983" / 50.370mm	1.987" / 50.470mm	0.437" / 11.100mm	Nitrile	47	472954V	1.125" / 28.580mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Fluoro-Elastomer	47
472560N	1.125" / 28.580mm	1.561" / 39.650mm	1.565" / 39.750mm	0.250" / 6.350mm	Polyacrylate	47	473010	1.625" / 41.280mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47
472572	1.875" / 47.630mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473010N	1.625" / 41.280mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	47
472635	1.552" / 39.420mm	2.502" / 63.550mm	2.506" / 63.650mm	0.500" / 12.700mm	Nitrile	47	473010V	1.625" / 41.280mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47
472636	2.250" / 57.150mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	473016	1.437" / 36.500mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47
472642	1.375" / 34.930mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	473096	0.375" / 9.530mm	0.875" / 22.230mm	0.880" / 22.350mm	0.250" / 6.350mm	Nitrile	47
472642V	1.375" / 34.930mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473117	1.625" / 41.280mm	2.328" / 59.130mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	47
472644	1.125" / 28.580mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	473135V	1.250" / 31.750mm	1.686" / 42.820mm	1.691" / 42.950mm	0.250" / 6.350mm	Fluoro-Elastomer	47
472644V	1.125" / 28.580mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473157	1.750" / 44.450mm	2.449" / 62.200mm	2.453" / 62.310mm	0.312" / 7.920mm	Nitrile	47
472649	0.750" / 19.050mm	2.047" / 52.000mm	2.051" / 52.100mm	0.312" / 7.920mm	Nitrile	47	473179	1.875" / 47.630mm	2.758" / 70.050mm	2.762" / 70.150mm	0.375" / 9.530mm	Nitrile	47
472651V	1.250" / 31.750mm	3.150" / 80.010mm	3.155" / 80.140mm	0.375" / 9.530mm	Fluoro-Elastomer	47	473196	0.750" / 19.050mm	1.783" / 45.290mm	1.787" / 45.390mm	0.250" / 6.350mm	Nitrile	47
472653	2.000" / 50.800mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	473197	1.375" / 34.930mm	2.835" / 72.010mm	2.839" / 72.110mm	0.312" / 7.920mm	Nitrile	47
472655	1.437" / 36.500mm	2.312" / 58.720mm	2.316" / 58.830mm	0.375" / 9.530mm	Nitrile	47	473203	1.187" / 30.150mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47
472658	1.375" / 34.930mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	473204	2.125" / 53.980mm	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47
472660	1.656" / 42.060mm	2.937" / 74.600mm	2.941" / 74.700mm	0.375" / 9.530mm	Nitrile	47	473205	1.187" / 30.150mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	47
472674	1.125" / 28.580mm	1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47	473210	1.312" / 33.320mm	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	47
472681	1.125" / 28.580mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	47	473211	1.312" / 33.320mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47
472681V	1.125" / 28.580mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Fluoro-Elastomer	47	473212	1.312" / 33.320mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47
472705	0.562" / 14.270mm	1.000" / 25.400mm	1.004" / 25.500mm	0.250" / 6.350mm	Nitrile	47	473213	1.312" / 33.320mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47
472705V	0.562" / 14.270mm	1.000" / 25.400mm	1.004" / 25.500mm	0.250" / 6.350mm	Fluoro-Elastomer	47	473214	1.375" / 34.930mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
473214V	1.375" / 34.930mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473317	1.687" / 42.850mm	2.328" / 59.130mm	2.332" / 59.230mm	0.312" / 7.920mm	Nitrile	47
473215	1.375" / 34.930mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473336	1.718" / 43.640mm	2.561" / 65.050mm	2.565" / 65.150mm	0.500" / 12.700mm	Nitrile	47
473224	1.437" / 36.500mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	473367	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47
473225	1.437" / 36.500mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473367V	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Fluoro-Elastomer	47
473226	1.437" / 36.500mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473380	1.000" / 25.400mm	1.575" / 40.010mm	1.579" / 40.110mm	0.250" / 6.350mm	Nitrile	47
473227	1.500" / 38.100mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Nitrile	47	473405	0.593" / 15.060mm	1.250" / 31.750mm	1.254" / 31.850mm	0.312" / 7.920mm	Nitrile	47
473227V	1.500" / 38.100mm	2.125" / 53.980mm	2.129" / 54.080mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473406	0.750" / 19.050mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47
473228	1.500" / 38.100mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473407	0.750" / 19.050mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	47
473228V	1.500" / 38.100mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473412	0.812" / 20.620mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47
473229	1.562" / 39.670mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473413	0.843" / 21.410mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47
473230	1.625" / 41.280mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Nitrile	47	473414	0.843" / 21.410mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	47
473231	1.625" / 41.280mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473415	0.843" / 21.410mm	1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Nitrile	47
473231V	1.625" / 41.280mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473416	0.737" / 18.720mm	1.375" / 34.930mm	1.379" / 35.030mm	0.343" / 8.710mm	Nitrile	47
473232	1.625" / 41.280mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	473419	1.062" / 26.970mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47
473233	1.687" / 42.850mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473420	1.062" / 26.970mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47
473234	1.687" / 42.850mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	473421	1.312" / 33.320mm	2.106" / 53.490mm	2.110" / 53.590mm	0.375" / 9.530mm	Nitrile	47
473235	1.687" / 42.850mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47	473422	1.312" / 33.320mm	1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47
473236	1.687" / 42.850mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473423	1.312" / 33.320mm	1.874" / 47.600mm	1.878" / 47.700mm	0.375" / 9.530mm	Nitrile	47
473237	1.750" / 44.450mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Nitrile	47	473424	1.281" / 32.540mm	2.000" / 50.800mm	2.004" / 50.900mm	0.375" / 9.530mm	Nitrile	47
473237V	1.750" / 44.450mm	2.374" / 60.300mm	2.378" / 60.400mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473425	1.187" / 30.150mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Nitrile	47
473238	1.875" / 47.630mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	47	473426	1.187" / 30.150mm	1.983" / 50.370mm	1.987" / 50.470mm	0.375" / 9.530mm	Nitrile	47
473238V	1.875" / 47.630mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	47	473427	1.156" / 29.360mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	47
473239	1.875" / 47.630mm	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	47	473428	1.156" / 29.360mm	1.984" / 50.390mm	1.988" / 50.500mm	0.250" / 6.350mm	Nitrile	47
473240	1.875" / 47.630mm	3.125" / 79.380mm	3.130" / 79.500mm	0.312" / 7.920mm	Nitrile	47	473435	1.343" / 34.110mm	2.106" / 53.490mm	2.110" / 53.590mm	0.375" / 9.530mm	Nitrile	47
473241	1.937" / 49.200mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47	473436	1.343" / 34.110mm	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	Nitrile	47
473242	2.000" / 50.800mm	3.125" / 79.380mm	3.130" / 79.500mm	0.312" / 7.920mm	Nitrile	47	473437	1.437" / 36.500mm	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47
473243	2.125" / 53.980mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	473438	1.468" / 37.290mm	2.375" / 60.330mm	2.379" / 60.430mm	0.375" / 9.530mm	Nitrile	47
473244	2.187" / 55.550mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473439	1.468" / 37.290mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Nitrile	47
473245	2.187" / 55.550mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Nitrile	47	473440	1.500" / 38.100mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47
473258	1.375" / 34.930mm	2.561" / 65.050mm	2.565" / 65.150mm	0.375" / 9.530mm	Nitrile	47	473441	1.562" / 39.670mm	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47
473259	1.125" / 28.580mm	2.441" / 62.000mm	2.445" / 62.100mm	0.250" / 6.350mm	Nitrile	47	473442	1.562" / 39.670mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47
473274	2.500" / 63.500mm	3.428" / 87.070mm	3.433" / 87.200mm	0.375" / 9.530mm	Nitrile	47	473443	1.625" / 41.280mm	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47
473274N	2.500" / 63.500mm	3.428" / 87.070mm	3.433" / 87.200mm	0.375" / 9.530mm	Polyacrylate	47	473444	1.625" / 41.280mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47
473313	1.750" / 44.450mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	473444V	1.625" / 41.280mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
473445	1.687" / 42.850mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47	473677	1.575" / 40.000mm	2.165" / 55.000mm	2.169" / 55.090mm	0.315" / 8.000mm	Nitrile	47
473446	1.687" / 42.850mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473694	1.625" / 41.280mm	2.000" / 50.800mm	2.004" / 50.900mm	0.250" / 6.350mm	Nitrile	47
473447	1.750" / 44.450mm	2.758" / 70.050mm	2.762" / 70.150mm	0.375" / 9.530mm	Nitrile	47	473796	1.750" / 44.450mm	2.565" / 65.150mm	2.570" / 65.280mm	0.312" / 7.920mm	Nitrile	47
473448	1.750" / 44.450mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	473812	1.312" / 33.320mm	2.166" / 55.020mm	2.170" / 55.120mm	0.375" / 9.530mm	Nitrile	47
473449	1.812" / 46.020mm	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	473814	1.968" / 49.990mm	2.623" / 66.620mm	2.627" / 66.730mm	0.312" / 7.920mm	Nitrile	47
473450	1.812" / 46.020mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	473823	1.378" / 35.000mm	2.165" / 55.000mm	2.172" / 55.180mm	0.315" / 8.000mm	Nitrile	47
473450V	1.812" / 46.020mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Fluoro-Elastomer	47	4738N	1.190" / 30.230mm	1.969" / 50.010mm	1.975" / 50.170mm	0.261" / 6.630mm	Polyacrylate	48
473451	1.843" / 46.810mm	2.623" / 66.620mm	2.627" / 66.730mm	0.375" / 9.530mm	Nitrile	47	4739	2.000" / 50.800mm	2.561" / 65.050mm	2.565" / 65.150mm	0.250" / 6.350mm	Nitrile	282
473452	1.843" / 46.810mm	2.750" / 69.850mm	2.754" / 69.950mm	0.375" / 9.530mm	Nitrile	47	4740	2.180" / 55.370mm	2.999" / 76.170mm	3.004" / 76.300mm	0.250" / 6.350mm	Nitrile	282
473453	1.843" / 46.810mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Nitrile	47	4741	2.200" / 55.880mm	3.022" / 76.760mm	3.028" / 76.910mm	0.422" / 10.720mm	Fluoro-Elastomer	79
473454	1.875" / 47.630mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Nitrile	47	474131	0.750" / 19.050mm	1.302" / 33.070mm	1.306" / 33.170mm	0.250" / 6.350mm	Nitrile	47
473455	1.875" / 47.630mm	2.835" / 72.010mm	2.839" / 72.110mm	0.375" / 9.530mm	Nitrile	47	474133	1.575" / 40.000mm	2.913" / 74.000mm	2.918" / 74.120mm	0.394" / 10.000mm	Nitrile	47
473457	1.875" / 47.630mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474134	1.969" / 50.000mm	2.618" / 66.500mm	2.623" / 66.620mm	0.375" / 9.525mm	Nitrile	47
473458	1.875" / 47.630mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	474216	1.625" / 41.280mm	2.562" / 65.070mm	2.565" / 65.150mm	0.375" / 9.530mm	Nitrile	47
473459	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.312" / 7.920mm	Nitrile	47	474230	2.874" / 73.000mm	3.543" / 90.000mm	3.548" / 90.120mm	0.315" / 8.000mm	Nitrile	47
473460	1.937" / 49.200mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	474235	0.937" / 23.800mm	1.850" / 47.000mm	1.854" / 47.090mm	0.312" / 7.920mm	Nitrile	47
473461	1.937" / 49.200mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474241V	1.654" / 42.000mm	2.283" / 58.000mm	2.290" / 58.170mm	0.276" / 7.000mm	Fluoro-Elastomer	47
473462	1.937" / 49.200mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	474250	1.000" / 25.400mm	1.686" / 42.820mm	1.690" / 42.930mm	0.250" / 6.350mm	Nitrile	47
473463	2.000" / 50.800mm	3.062" / 77.770mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474252	0.937" / 23.800mm	1.752" / 44.500mm	1.756" / 44.600mm	0.250" / 6.350mm	Nitrile	47
473464	2.000" / 50.800mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	474253	0.812" / 20.620mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	47
473466	2.062" / 52.370mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	474254	1.187" / 30.150mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	47
473467	2.125" / 53.980mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Nitrile	47	474255	1.187" / 30.150mm	2.250" / 57.150mm	2.254" / 57.250mm	0.250" / 6.350mm	Nitrile	47
473468	2.125" / 53.980mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474256	1.187" / 30.150mm	2.441" / 62.000mm	2.445" / 62.100mm	0.250" / 6.350mm	Nitrile	47
473471	2.187" / 55.550mm	3.062" / 77.770mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474260	1.156" / 29.360mm	1.686" / 42.820mm	1.690" / 42.930mm	0.250" / 6.350mm	Nitrile	47
473473	2.250" / 57.150mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474261	0.687" / 17.450mm	1.187" / 30.150mm	1.191" / 30.250mm	0.187" / 4.750mm	Nitrile	47
473474	2.375" / 60.330mm	3.061" / 77.750mm	3.066" / 77.880mm	0.375" / 9.530mm	Nitrile	47	474264	1.437" / 36.500mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Nitrile	47
473475	2.375" / 60.330mm	3.189" / 81.000mm	3.194" / 81.130mm	0.375" / 9.530mm	Nitrile	47	474265	1.687" / 42.850mm	2.686" / 68.220mm	2.691" / 68.350mm	0.312" / 7.920mm	Nitrile	47
473476	2.500" / 63.500mm	3.150" / 80.010mm	3.155" / 80.140mm	0.315" / 8.000mm	Polyacrylate	47	474269	1.937" / 49.200mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	47
473490	1.562" / 39.670mm	3.150" / 80.010mm	3.155" / 80.140mm	0.312" / 7.920mm	Nitrile	47	474272	2.000" / 50.800mm	2.717" / 69.000mm	2.721" / 69.110mm	0.375" / 9.530mm	Nitrile	47
473517	1.562" / 39.670mm	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	Nitrile	47	474273	0.781" / 19.840mm	1.828" / 46.430mm	1.833" / 46.560mm	0.250" / 6.350mm	Nitrile	47
473546	0.551" / 14.000mm	1.000" / 25.400mm	1.004" / 25.500mm	0.312" / 7.920mm	Nitrile	47	474274	1.625" / 41.280mm	2.750" / 69.850mm	2.754" / 69.950mm	0.312" / 7.920mm	Nitrile	47
473551	1.250" / 31.750mm	2.047" / 52.000mm	2.051" / 52.100mm	0.375" / 9.530mm	Nitrile	47	474276	1.500" / 38.100mm	1.983" / 50.370mm	1.988" / 50.500mm	0.250" / 6.350mm	Nitrile	47
473560N	1.654" / 42.000mm	2.205" / 56.000mm	2.211" / 56.160mm	0.276" / 7.000mm	Polyacrylate	47	474276V	1.500" / 38.100mm	1.983" / 50.370mm	1.988" / 50.500mm	0.250" / 6.350mm	Fluoro-Elastomer	47
473573	2.375" / 60.330mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Nitrile	47	474277	0.437" / 11.100mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
474278	1.250" / 31.750mm	1.686" / 42.820mm	1.691" / 42.950mm	0.250" / 6.350mm	Nitrile	47	476512	1.969" / 50.000mm	4.331" / 110.000mm	4.336" / 110.130mm	0.374" / 9.500mm	Nitrile	47
474281	1.500" / 38.100mm	2.758" / 70.050mm	2.763" / 70.180mm	0.312" / 7.920mm	Nitrile	47	476514	2.556" / 64.920mm	3.937" / 100.000mm	3.942" / 100.130mm	0.375" / 9.530mm	Nitrile	47
474288	1.417" / 36.000mm	2.283" / 58.000mm	2.295" / 58.300mm	0.315" / 8.000mm	Nitrile	47	476517	3.934" / 99.920mm	5.906" / 150.000mm	5.911" / 150.140mm	0.500" / 12.700mm	Nitrile	47
4748N	1.190" / 30.230mm	1.889" / 47.980mm	1.896" / 48.160mm	0.860" / 21.840mm	Polyacrylate	#	476518	4.331" / 110.000mm	6.693" / 170.000mm	6.700" / 170.180mm	0.500" / 12.700mm	Nitrile	47
475003N	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	476535	2.125" / 53.980mm	3.149" / 79.980mm	3.154" / 80.110mm	0.375" / 9.530mm	Nitrile	47
475004H	2.750" / 69.850mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Silicone	47	476574N	2.750" / 69.850mm	3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Polyacrylate	47
475009N	2.750" / 69.850mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Polyacrylate	47	476820	1.750" / 44.450mm	3.937" / 100.000mm	3.942" / 100.130mm	0.312" / 7.920mm	Nitrile	47
475012N	2.937" / 74.600mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Polyacrylate	47	476838	1.125" / 28.580mm	1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Nitrile	47
475080N	2.125" / 53.980mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	476842	5.500" / 139.700mm	6.250" / 158.750mm	6.257" / 158.930mm	0.500" / 12.700mm	Nitrile	47
475095N	2.375" / 60.330mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	47	477055	3.330" / 84.580mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	47
475234N	2.250" / 57.150mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	477069	2.598" / 65.990mm	4.000" / 101.600mm	4.005" / 101.730mm	0.500" / 12.700mm	Nitrile	47
475322N	2.750" / 69.850mm	3.543" / 90.000mm	3.548" / 90.120mm	0.500" / 12.700mm	Polyacrylate	47	477105	1.875" / 47.630mm	4.331" / 110.010mm	4.336" / 110.130mm	0.500" / 12.700mm	Nitrile	47
475368N	2.625" / 66.680mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	47	477163N	3.000" / 76.200mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Polyacrylate	47
475379	3.750" / 95.250mm	4.751" / 120.680mm	4.756" / 120.800mm	0.500" / 12.700mm	Nitrile	47	477701	2.063" / 52.400mm	3.000" / 76.200mm	3.005" / 76.327mm	0.375" / 9.525mm	Fluoroelastomer	47
475380N	2.375" / 60.330mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Polyacrylate	47	477702	1.875" / 47.625mm	2.441" / 62.001mm	2.446" / 62.128mm	0.315" / 8.001mm	Fluoroelastomer	47
475384	2.812" / 71.420mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Nitrile	47	477704	0.750" / 19.050mm	1.312" / 33.325mm	1.316" / 33.426mm	0.250" / 6.350mm	Nitrile	47
475458	2.625" / 66.680mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	47	477705	1.375" / 34.925mm	2.047" / 51.994mm	2.051" / 52.095mm	0.276" / 7.010mm	Fluoroelastomer	47
475500	3.298" / 83.770mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	47	477706	0.750" / 19.050mm	1.752" / 44.501mm	1.756" / 44.602mm	0.250" / 6.350mm	Fluoroelastomer	47
475845	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.375" / 9.530mm	Nitrile	47	477707	0.945" / 24.003mm	2.441" / 62.001mm	2.446" / 62.128mm	0.315" / 8.001mm	Fluoroelastomer	47
476023N	3.000" / 76.200mm	3.751" / 95.280mm	3.756" / 95.400mm	0.375" / 9.530mm	Polyacrylate	47	477708	1.625" / 41.275mm	2.562" / 65.075mm	2.566" / 65.176mm	0.313" / 7.950mm	Fluoroelastomer	47
476028	3.375" / 85.730mm	4.249" / 107.920mm	4.254" / 108.050mm	0.468" / 11.890mm	Nitrile	47	477709	0.625" / 15.875mm	1.850" / 46.990mm	1.855" / 47.117mm	0.276" / 7.010mm	Fluoroelastomer	47
476281	2.750" / 69.850mm	4.125" / 104.780mm	4.130" / 104.900mm	0.562" / 14.270mm	Nitrile	47	477710	2.250" / 57.150mm	2.875" / 73.025mm	2.879" / 73.127mm	0.313" / 7.950mm	Nitrile	47
476283N	2.750" / 69.850mm	4.249" / 107.920mm	4.254" / 108.050mm	0.500" / 12.700mm	Polyacrylate	47	477711	2.500" / 63.500mm	4.003" / 101.676mm	4.008" / 101.803mm	0.375" / 9.525mm	Fluoroelastomer	47
4762N	1.618" / 41.097mm	2.841" / 72.160mm	2.849" / 72.360mm	0.500" / 12.700mm	Polyacrylate	74	477712	1.378" / 35.001mm	1.850" / 46.990mm	1.855" / 47.117mm	0.276" / 7.010mm	Fluoroelastomer	47
4763S	1.625" / 41.280mm	2.562" / 65.070mm	2.566" / 65.180mm	0.437" / 11.100mm	Nitrile	#	477715	1.688" / 42.875mm	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Nitrile	47
4764	1.598" / 40.590mm	2.476" / 62.890mm	2.483" / 63.070mm	0.420" / 10.670mm	Polyacrylate	86	477717	1.938" / 49.225mm	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	47
476424N	3.500" / 88.900mm	4.751" / 120.680mm	4.756" / 120.800mm	0.375" / 9.530mm	Polyacrylate	47	477718	1.438" / 36.525mm	2.250" / 57.150mm	2.254" / 57.252mm	0.313" / 7.950mm	Fluoroelastomer	47
476470	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.375" / 9.530mm	Nitrile	47	477720	1.375" / 34.925mm	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	47
476470V	3.250" / 82.550mm	4.249" / 107.920mm	4.254" / 108.050mm	0.375" / 9.530mm	Fluoro-Elastomer	47	477721	1.375" / 34.925mm	1.828" / 46.431mm	1.832" / 46.533mm	0.250" / 6.350mm	Fluoroelastomer	47
4765	1.598" / 40.590mm	2.476" / 62.890mm	2.483" / 63.070mm	0.350" / 8.890mm	Fluoro-Elastomer	79	477722	1.563" / 39.700mm	2.047" / 51.994mm	2.053" / 52.146mm	0.276" / 7.010mm	Fluoroelastomer	47
476500N	2.937" / 74.600mm	3.937" / 100.000mm	3.942" / 100.130mm	0.500" / 12.700mm	Polyacrylate	47	477723	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	47
476509	1.937" / 49.200mm	3.623" / 92.020mm	3.628" / 92.150mm	0.468" / 11.890mm	Nitrile	47	477725	1.688" / 42.875mm	2.623" / 66.624mm	2.627" / 66.726mm	0.500" / 12.700mm	Fluoroelastomer	47
476510	1.562" / 39.670mm	3.543" / 90.000mm	3.548" / 90.120mm	0.375" / 9.530mm	Nitrile	47	477726	2.875" / 73.025mm	4.331" / 110.007mm	4.336" / 110.134mm	0.438" / 11.125mm	Polyacrylate	47
476511	2.187" / 55.550mm	5.118" / 130.000mm	5.124" / 130.150mm	0.375" / 9.530mm	Nitrile	47	477727	4.500" / 114.300mm	5.751" / 146.075mm	5.756" / 146.202mm	0.375" / 9.525mm	Fluoroelastomer	47

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
477728	0.625" / 15.875mm	0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	47	481397	0.656" / 16.660mm	1.575" / 40.010mm	1.579" / 40.110mm	0.250" / 6.350mm	Nitrile	48
477729	3.125" / 79.375mm	4.125" / 104.775mm	4.130" / 104.902mm	0.375" / 9.525mm	Fluoroelastomer	47	4813V	1.178" / 29.920mm	2.447" / 62.150mm	2.452" / 62.280mm	0.500" / 12.700mm	Fluoro-Elastomer	86
477731	3.375" / 85.725mm	4.125" / 104.775mm	4.130" / 104.902mm	0.375" / 9.525mm	Fluoroelastomer	47	48144	0.500" / 12.700mm	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	48
477732	0.500" / 12.700mm	0.875" / 22.225mm	0.879" / 22.327mm	0.250" / 6.350mm	Fluoroelastomer	47	481443	0.781" / 19.840mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48
4795V	1.399" / 35.530mm	2.482" / 63.040mm	2.750" / 69.850mm	0.310" / 7.870mm	Fluoro-Elastomer	74	481443V	0.781" / 19.840mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	48
47X62X8	1.850" / 47.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Nitrile	32	481466	0.625" / 15.880mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	48
47X65X8	1.850" / 47.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32	481481	0.668" / 16.970mm	1.187" / 30.150mm	1.191" / 30.250mm	0.185" / 4.700mm	Nitrile	48
47X68X10	1.850" / 47.000mm	2.677" / 68.000mm	2.688" / 68.270mm	0.394" / 10.000mm	Nitrile	32	481528	0.656" / 16.660mm	1.124" / 28.550mm	1.128" / 28.650mm	0.250" / 6.350mm	Nitrile	48
47X70X10	1.850" / 47.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Nitrile	32	481537	0.656" / 16.660mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	48
480210	1.062" / 26.970mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Nitrile	48	481568	0.781" / 19.840mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	48
480281	1.812" / 46.020mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	48	481644	0.781" / 19.840mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	48
480356	1.250" / 31.750mm	1.686" / 42.820mm	1.690" / 42.930mm	0.375" / 9.530mm	Nitrile	48	481650	1.031" / 26.190mm	1.624" / 41.250mm	1.628" / 41.350mm	0.250" / 6.350mm	Nitrile	48
480479H	1.687" / 42.850mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Silicone	48	481792	1.125" / 28.580mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48
480491	2.750" / 69.850mm	3.481" / 88.420mm	3.486" / 88.540mm	0.500" / 12.700mm	Nitrile	48	481834	1.312" / 33.320mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48
480570	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.328" / 8.330mm	Nitrile	48	481837	1.500" / 38.100mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48
480574H	2.375" / 60.330mm	3.252" / 82.600mm	3.256" / 82.700mm	0.500" / 12.700mm	Silicone	48	481859	1.250" / 31.750mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	48
480581	1.594" / 40.490mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48	481864	1.625" / 41.280mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Nitrile	48
480630	1.500" / 38.100mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	48	481992	1.812" / 46.020mm	3.125" / 79.380mm	3.130" / 79.500mm	0.375" / 9.530mm	Nitrile	48
480821	0.750" / 19.050mm	1.312" / 33.320mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	48	482041N	1.875" / 47.630mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Polyacrylate	48
480844	1.500" / 38.100mm	2.222" / 56.440mm	2.226" / 56.540mm	0.312" / 7.920mm	Nitrile	48	482069N	0.860" / 21.840mm	1.437" / 36.500mm	1.441" / 36.600mm	0.250" / 6.350mm	Polyacrylate	48
480889	0.812" / 20.620mm	1.312" / 33.320mm	1.316" / 33.430mm	0.250" / 6.350mm	Nitrile	48	482126	1.750" / 44.450mm	2.328" / 59.130mm	2.332" / 59.230mm	0.437" / 11.100mm	Nitrile	48
480954	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	48	482163	1.375" / 34.930mm	1.983" / 50.370mm	1.987" / 50.470mm	0.312" / 7.920mm	Nitrile	48
480954V	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Fluoro-Elastomer	48	482163N	1.375" / 34.930mm	1.983" / 50.370mm	1.987" / 50.470mm	0.312" / 7.920mm	Polyacrylate	48
480988H	2.375" / 60.330mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Silicone	48	482164N	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	48
480991	1.500" / 38.100mm	2.062" / 52.370mm	2.066" / 52.480mm	0.375" / 9.530mm	Nitrile	48	482208	1.125" / 28.580mm	1.624" / 41.250mm	1.628" / 41.350mm	0.245" / 6.220mm	Nitrile	48
481073	0.656" / 16.660mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48	482230N	1.250" / 31.750mm	2.126" / 54.000mm	2.130" / 54.100mm	0.375" / 9.530mm	Polyacrylate	48
481163	1.500" / 38.100mm	2.000" / 50.800mm	2.004" / 50.900mm	0.312" / 7.920mm	Nitrile	48	482253	1.593" / 40.460mm	2.502" / 63.550mm	2.506" / 63.650mm	0.250" / 6.350mm	Nitrile	48
481181	1.625" / 41.280mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Nitrile	48	482267	1.750" / 44.450mm	3.153" / 80.090mm	3.159" / 80.240mm	0.312" / 7.920mm	Nitrile	48
481181N	1.625" / 41.280mm	2.125" / 53.980mm	2.129" / 54.080mm	0.250" / 6.350mm	Polyacrylate	48	482309	0.968" / 24.590mm	1.850" / 47.000mm	1.854" / 47.090mm	0.375" / 9.530mm	Nitrile	48
481191V	2.254" / 57.250mm	2.756" / 70.000mm	2.763" / 70.180mm	0.340" / 8.640mm	Fluoro-Elastomer	48	482310	0.968" / 24.590mm	2.048" / 52.020mm	2.052" / 52.120mm	0.375" / 9.530mm	Nitrile	48
481195	1.937" / 49.200mm	2.502" / 63.550mm	2.506" / 63.650mm	0.375" / 9.530mm	Nitrile	48	482415	1.496" / 38.000mm	2.058" / 52.270mm	2.063" / 52.400mm	0.250" / 6.350mm	Nitrile	48
481213	1.187" / 30.150mm	1.687" / 42.850mm	1.691" / 42.950mm	0.250" / 6.350mm	Nitrile	48	482576N	1.375" / 34.930mm	2.125" / 53.980mm	2.129" / 54.080mm	0.375" / 9.530mm	Polyacrylate	48
481224V	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Fluoro-Elastomer	48	483054N	1.175" / 29.850mm	1.828" / 46.430mm	1.832" / 46.530mm	0.312" / 7.920mm	Polyacrylate	48
481267	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Nitrile	48	483230V	1.625" / 41.280mm	2.250" / 57.150mm	2.254" / 57.250mm	0.312" / 7.920mm	Fluoro-Elastomer	48

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
483238V	1.875" / 47.630mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Fluoro-Elastomer	48	487529	0.875" / 22.225mm	1.250" / 31.750mm	1.254" / 31.852mm	0.250" / 6.350mm	Fluoroelastomer	48
483246N	2.375" / 60.330mm	3.251" / 82.580mm	3.256" / 82.700mm	0.375" / 9.530mm	Polyacrylate	48	487530	0.375" / 9.525mm	0.749" / 19.025mm	0.753" / 19.126mm	0.250" / 6.350mm	Fluoroelastomer	48
483367V	1.625" / 41.280mm	2.437" / 61.900mm	2.441" / 62.000mm	0.312" / 7.920mm	Fluoro-Elastomer	48	487531	1.000" / 25.400mm	2.250" / 57.150mm	2.254" / 57.252mm	0.250" / 6.350mm	Nitrile	48
483459H	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.312" / 7.920mm	Silicone	48	487533	1.750" / 44.450mm	3.625" / 92.075mm	3.630" / 92.202mm	0.438" / 11.125mm	Nitrile	48
483488	1.175" / 29.850mm	1.771" / 44.980mm	1.775" / 45.090mm	0.275" / 6.990mm	Nitrile	48	487537	11.375" / 288.925mm	13.000" / 330.200mm	13.008" / 330.403mm	0.625" / 15.875mm	Nitrile	48
483793	1.343" / 34.110mm	2.441" / 62.000mm	2.445" / 62.100mm	0.375" / 9.530mm	Nitrile	48	487538	1.000" / 25.400mm	1.851" / 47.015mm	1.855" / 47.117mm	0.250" / 6.350mm	Nitrile	48
484054	1.326" / 33.680mm	2.061" / 52.350mm	2.065" / 52.450mm	0.375" / 9.530mm	Nitrile	48	487539	1.625" / 41.275mm	2.623" / 66.624mm	2.627" / 66.726mm	0.313" / 7.950mm	Fluoroelastomer	48
484058	1.322" / 33.580mm	2.227" / 56.570mm	2.231" / 56.670mm	0.375" / 9.530mm	Nitrile	48	4876N	2.748" / 69.800mm	5.500" / 139.700mm	5.512" / 140.000mm	0.850" / 21.590mm	Polyacrylate	#
484064V	2.062" / 52.370mm	2.561" / 65.050mm	2.565" / 65.150mm	0.313" / 7.950mm	Fluoro-Elastomer	48	487945	2.000" / 50.800mm	3.623" / 92.020mm	3.628" / 92.150mm	0.375" / 9.530mm	Nitrile	48
484114	0.625" / 15.880mm	1.625" / 41.280mm	1.629" / 41.380mm	0.250" / 6.350mm	Nitrile	48	4889	1.562" / 39.670mm	2.833" / 71.960mm	2.840" / 72.140mm	0.493" / 12.520mm	Fluoro-Elastomer	#
484156V	1.375" / 34.930mm	1.874" / 47.600mm	1.879" / 47.730mm	0.240" / 6.100mm	Fluoro-Elastomer	48	4890	1.562" / 39.670mm	2.873" / 72.970mm	2.880" / 73.150mm	0.493" / 12.520mm	Fluoro-Elastomer	47
485195H	4.250" / 107.950mm	5.251" / 133.380mm	5.256" / 133.500mm	0.468" / 11.890mm	Silicone	48	4898	2.047" / 52.000mm	2.598" / 66.000mm	2.603" / 66.120mm	0.295" / 7.500mm	Nitrile	66
485364N	2.750" / 69.850mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Polyacrylate	48	4899	2.205" / 56.000mm	2.953" / 75.000mm	2.958" / 75.130mm	0.256" / 6.500mm	Nitrile	66
485497	3.625" / 92.080mm	4.874" / 123.800mm	4.879" / 123.930mm	0.585" / 14.860mm	Nitrile	48	48X62X8	1.890" / 48.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.315" / 8.000mm	Nitrile	35
4857	1.400" / 35.560mm	2.282" / 57.960mm	2.288" / 58.120mm	0.547" / 13.890mm	Fluoro-Elastomer	86	48X63X9	1.890" / 48.000mm	2.480" / 63.000mm	2.484" / 63.090mm	0.354" / 9.000mm	Nitrile	47
486567	3.375" / 85.730mm	4.370" / 111.000mm	4.375" / 111.130mm	0.250" / 6.350mm	Nitrile	48	48X70X8	1.890" / 48.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	35
486857	2.648" / 67.260mm	3.812" / 96.820mm	3.817" / 96.950mm	0.500" / 12.700mm	Nitrile	48	48X70X9	1.890" / 48.000mm	2.756" / 70.000mm	2.767" / 70.280mm	0.354" / 9.000mm	Nitrile	35
487397V	3.625" / 92.080mm	4.624" / 117.450mm	4.630" / 117.600mm	0.500" / 12.700mm	Fluoro-Elastomer	48	48X72X7	1.890" / 48.000mm	2.835" / 72.000mm	2.847" / 72.310mm	0.276" / 7.000mm	Nitrile	32
4874N	2.748" / 69.800mm	3.543" / 90.000mm	3.555" / 90.300mm	0.591" / 15.010mm	Polyacrylate	#	48X75X10	1.890" / 48.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Nitrile	32
487503	1.438" / 36.525mm	2.750" / 69.850mm	2.754" / 69.952mm	0.313" / 7.950mm	Nitrile	48	48X80X8	1.890" / 48.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32
487506	8.250" / 209.550mm	9.500" / 241.300mm	9.515" / 241.681mm	0.570" / 14.478mm	Nitrile	48	48X90X10	1.890" / 48.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.394" / 10.000mm	Nitrile	35
487508	1.000" / 25.400mm	1.375" / 34.925mm	1.379" / 35.027mm	0.250" / 6.350mm	Fluoroelastomer	48	4901	1.378" / 35.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.315" / 8.000mm	Polyacrylate	40
487509	1.375" / 34.925mm	2.106" / 53.492mm	2.110" / 53.594mm	0.313" / 7.950mm	Polyacrylate	48	4904	1.929" / 49.000mm	2.441" / 62.000mm	2.447" / 62.150mm	0.315" / 8.000mm	Nitrile	66
487512	0.438" / 11.125mm	0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	48	4918	1.787" / 45.390mm	3.228" / 82.000mm	3.238" / 82.250mm	0.335" / 8.510mm	Polyacrylate	83
487513	1.156" / 29.362mm	2.000" / 50.800mm	2.004" / 50.902mm	0.250" / 6.350mm	Fluoroelastomer	48	493291	2.283" / 57.990mm	3.155" / 80.140mm	3.159" / 80.240mm	0.375" / 9.530mm	Nitrile	49
487514	1.250" / 31.750mm	2.327" / 59.106mm	2.331" / 59.207mm	0.500" / 12.700mm	Nitrile	48	4934	1.503" / 38.180mm	2.374" / 60.300mm	2.379" / 60.430mm	0.374" / 9.500mm	Polyacrylate	79
487515	1.250" / 31.750mm	2.000" / 50.800mm	2.004" / 50.902mm	0.438" / 11.125mm	Polyacrylate	48	493524	2.000" / 50.800mm	2.846" / 72.290mm	2.850" / 72.390mm	0.375" / 9.530mm	Nitrile	49
487519	1.563" / 39.700mm	2.062" / 52.375mm	2.066" / 52.476mm	0.250" / 6.350mm	Nitrile	48	493637	2.330" / 59.180mm	2.997" / 76.120mm	3.001" / 76.230mm	0.312" / 7.920mm	Nitrile	49
487520	2.625" / 66.675mm	3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	48	494122	1.772" / 45.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.236" / 6.000mm	Nitrile	49
487522	2.313" / 58.750mm	3.061" / 77.749mm	3.066" / 77.876mm	0.313" / 7.950mm	Nitrile	48	4941V	1.552" / 39.420mm	3.160" / 80.260mm	3.165" / 80.390mm	0.608" / 15.440mm	Fluoro-Elastomer	74
487523	2.313" / 58.750mm	2.997" / 76.124mm	3.001" / 76.225mm	0.375" / 9.525mm	Nitrile	48	4950	1.748" / 44.410mm	2.619" / 66.535mm	2.627" / 66.720mm	0.330" / 8.380mm	Polyacrylate	88
487524	1.063" / 27.000mm	1.514" / 38.456mm	1.519" / 38.583mm	0.256" / 6.502mm	Nitrile	48	4981V	1.685" / 42.800mm	2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.690mm	Fluoro-Elastomer	79
487526	2.938" / 74.625mm	3.623" / 92.024mm	3.628" / 92.151mm	0.375" / 9.525mm	Nitrile	48	4989	1.457" / 37.000mm	2.441" / 62.000mm	2.451" / 62.260mm	0.551" / 14.000mm	Nitrile	#
487527	3.000" / 76.200mm	3.500" / 88.900mm	3.505" / 89.027mm	0.375" / 9.525mm	Fluoroelastomer	48	4990	2.047" / 52.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.276" / 7.000mm	Nitrile	281

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
50081	1.718" / 43.640mm	2.875" / 73.030mm	2.879" / 73.130mm	0.468" / 11.890mm	Leather	5L	5119	2.375" / 60.330mm	3.265" / 82.930mm	3.270" / 83.060mm	0.495" / 12.570mm	Nitrile	49
50126	1.406" / 35.710mm	2.125" / 53.980mm	2.129" / 54.080mm	0.437" / 11.100mm	Leather	5L	5121	1.940" / 49.280mm	2.622" / 66.600mm	2.626" / 66.700mm	0.255" / 6.477mm	Nitrile	281
50151S	1.125" / 28.580mm	1.561" / 39.650mm	1.565" / 39.750mm	0.375" / 9.530mm	Nitrile	5S	5123	2.562" / 65.070mm	3.090" / 78.490mm	3.095" / 78.610mm	0.375" / 9.530mm	Nitrile	280
50197S	0.375" / 9.530mm	0.999" / 25.370mm	1.003" / 25.480mm	0.375" / 9.530mm	Nitrile	5S	5124	1.326" / 33.680mm	2.226" / 56.540mm	2.247" / 57.070mm	0.500" / 12.700mm	Nitrile	48
50266	1.781" / 45.240mm	2.623" / 66.620mm	2.627" / 66.730mm	0.500" / 12.700mm	Leather	5L	5126	1.875" / 47.630mm	2.813" / 71.450mm	2.817" / 71.550mm	0.500" / 12.700mm	Nitrile	74
50289	1.750" / 44.450mm	2.783" / 70.690mm	2.787" / 70.790mm	0.531" / 13.490mm	Leather	5L	5128N	3.375" / 85.730mm	3.948" / 100.280mm	3.955" / 100.460mm	0.375" / 9.530mm	Polyacrylate	32
50327	1.718" / 43.640mm	2.437" / 61.900mm	2.441" / 62.000mm	0.468" / 11.890mm	Leather	5L	5131	1.317" / 33.451mm	2.280" / 57.910mm	2.286" / 58.060mm	0.350" / 8.890mm	Nitrile	#
50395S	1.375" / 34.930mm	1.874" / 47.600mm	1.878" / 47.700mm	0.437" / 11.100mm	Nitrile	5S	51322	1.365" / 34.670mm	2.081" / 52.860mm	2.085" / 52.960mm	0.435" / 11.050mm	Nitrile	5S
50405	0.718" / 18.240mm	1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Leather	5L	5133	1.812" / 46.020mm	2.562" / 65.070mm	2.566" / 65.180mm	0.312" / 7.920mm	Fluoro- Elastomer	48
50445	0.312" / 7.920mm	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Leather	5L	5210	1.299" / 33.000mm	3.539" / 89.900mm	3.528" / 89.600mm	1.575" / 40.000mm	Polyacrylate	35
50468	1.484" / 37.690mm	2.254" / 57.250mm	2.258" / 57.350mm	0.312" / 7.920mm	Leather	5L	52X65X9	2.047" / 52.000mm	2.559" / 65.000mm	2.571" / 65.300mm	0.354" / 9.000mm	Nitrile	32
50528	1.968" / 49.990mm	2.996" / 76.100mm	3.001" / 76.230mm	0.500" / 12.700mm	Leather	5L	52X69X10	2.047" / 52.000mm	2.717" / 69.000mm	2.728" / 69.280mm	0.394" / 10.000mm	Nitrile	35
50568	1.625" / 41.280mm	2.625" / 66.680mm	2.629" / 66.780mm	0.500" / 12.700mm	PTFE	5S	52X70X8	2.047" / 52.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32
50569	1.625" / 41.280mm	2.625" / 66.680mm	2.629" / 66.780mm	0.500" / 12.700mm	PTFE	5S	52X72X8	2.047" / 52.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	35
5070	1.803" / 45.800mm	2.965" / 75.310mm	2.969" / 75.410mm	0.250" / 6.350mm	Felt	29	52X80X10	2.047" / 52.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32
50X62X7	1.969" / 50.000mm	2.441" / 62.000mm	2.452" / 62.280mm	0.276" / 7.000mm	Nitrile	32	52X85X7	2.047" / 52.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32
50X65X8	1.969" / 50.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.315" / 8.000mm	Nitrile	32	53X68X10	2.087" / 53.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.394" / 10.000mm	Nitrile	32
50X68X8	1.969" / 50.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	35	54X65X8	2.126" / 54.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	32
50X70X8	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	32	54X72X10	2.126" / 54.000mm	2.835" / 72.000mm	2.844" / 72.250mm	0.394" / 10.000mm	Nitrile	32
50X70X9	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.354" / 9.000mm	Nitrile	32	54X73X8	2.126" / 54.000mm	2.874" / 73.000mm	2.882" / 73.200mm	0.315" / 8.000mm	Nitrile	32
50X72X8	1.969" / 50.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35	54X82X10	2.126" / 54.000mm	3.228" / 82.000mm	3.242" / 82.350mm	0.394" / 10.000mm	Nitrile	32
50X75X12	1.969" / 50.000mm	2.953" / 75.000mm	2.964" / 75.280mm	0.472" / 12.000mm	Nitrile	32	55028	3.562" / 90.470mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Leather	5L
50X75X7	1.969" / 50.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32	55030	3.687" / 93.650mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Leather	5L
50X80X10	1.969" / 50.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32	55078S	9.750" / 247.650mm	11.250" / 285.750mm	11.260" / 286.000mm	0.750" / 19.050mm	Nitrile	5S
50X80X8	1.969" / 50.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	55103S	16.250" / 412.750mm	18.000" / 457.200mm	18.010" / 457.450mm	0.750" / 19.050mm	Nitrile	45
50X85X8	1.969" / 50.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32	55238	2.750" / 69.850mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Leather	5L
50X90X10	1.969" / 50.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35	5524	2.000" / 50.800mm	3.251" / 82.575mm	3.256" / 82.702mm	0.625" / 15.875mm	Nitrile	41
50X90X8	1.969" / 50.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	5525	1.562" / 39.675mm	66.642" / 2.623mm	2.627" / 66.726mm	0.625" / 15.875mm	Nitrile	41
5109	2.496" / 63.400mm	3.245" / 82.420mm	3.248" / 82.500mm	0.485" / 12.320mm	Nitrile	#	55301S	9.000" / 228.600mm	10.000" / 254.000mm	10.010" / 254.250mm	0.750" / 19.050mm	Nitrile	45
51098	1.500" / 38.100mm	2.502" / 63.550mm	2.506" / 63.650mm	0.437" / 11.100mm	Nitrile	48	55337	2.250" / 57.150mm	3.876" / 98.450mm	3.881" / 98.580mm	0.468" / 11.890mm	Leather	5L
5111S	2.630" / 66.800mm	3.240" / 82.300mm	3.245" / 82.420mm	0.215" / 5.460mm	Nitrile	#	55353	3.625" / 92.080mm	4.839" / 122.910mm	4.844" / 123.040mm	0.500" / 12.700mm	Leather	5L
5112S	1.750" / 44.450mm	2.437" / 61.900mm	2.442" / 62.000mm	3.130" / 79.500mm	Nitrile	#	55357	5.437" / 138.100mm	6.749" / 171.420mm	6.757" / 171.630mm	0.625" / 15.880mm	Leather	5L
5113	2.000" / 50.800mm	2.745" / 69.720mm	2.749" / 69.820mm	0.230" / 5.840mm	Nitrile	203	55419	3.437" / 87.300mm	4.501" / 114.330mm	4.506" / 114.450mm	0.625" / 15.880mm	Leather	5L
5115	1.500" / 38.100mm	2.249" / 57.120mm	2.254" / 57.250mm	0.254" / 6.350mm	Nitrile	47	55469	2.750" / 69.850mm	3.935" / 99.950mm	3.940" / 100.080mm	0.500" / 12.700mm	Nitrile	5L

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
55524	2.000" / 50.800mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	Leather	5L	58X75X7	2.283" / 58.000mm	2.953" / 75.000mm	2.963" / 75.260mm	0.276" / 7.000mm	Nitrile	32
55548	3.000" / 76.200mm	4.626" / 117.500mm	4.631" / 117.630mm	0.500" / 12.700mm	Leather	5L	58X80X8	2.283" / 58.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32
55563	3.250" / 82.550mm	4.003" / 101.680mm	4.008" / 101.800mm	0.468" / 11.890mm	PTFE	5S	58X85X10	2.283" / 58.000mm	3.346" / 85.000mm	3.357" / 85.280mm	0.394" / 10.000mm	Nitrile	35
55X100X13	2.165" / 55.000mm	3.937" / 100.000mm	3.949" / 100.300mm	0.500" / 12.700mm	Nitrile	32	58X85X13	2.283" / 58.000mm	3.346" / 85.000mm	3.356" / 85.250mm	0.512" / 13.000mm	Nitrile	32
55X100X7	2.165" / 55.000mm	3.937" / 100.000mm	3.938" / 100.030mm	0.276" / 7.000mm	Nitrile	32	58X90X10	2.283" / 58.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	35
55X68X8	2.165" / 55.000mm	2.677" / 68.000mm	2.688" / 68.280mm	0.315" / 8.000mm	Nitrile	32	5924	2.312" / 58.720mm	3.313" / 84.150mm	3.318" / 84.280mm	0.375" / 9.530mm	Leather	4L
55X70X8	2.165" / 55.000mm	2.756" / 70.000mm	2.767" / 70.270mm	0.315" / 8.000mm	Nitrile	35	5965	3.500" / 88.900mm	4.437" / 112.700mm	4.437" / 112.700mm	0.437" / 11.100mm	Leather	8L
55X72X8	2.165" / 55.000mm	2.835" / 72.000mm	2.844" / 72.250mm	0.315" / 8.000mm	Nitrile	32	5976S	0.875" / 22.230mm	1.245" / 31.620mm	1.256" / 31.900mm	0.187" / 4.750mm	Nitrile	34
55X75X8	2.165" / 55.000mm	2.937" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	32	6064	1.875" / 47.630mm	2.965" / 75.310mm	2.969" / 75.410mm	0.250" / 6.350mm	Felt	29
55X80X8	2.165" / 55.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	6090S	2.000" / 50.800mm	2.630" / 66.800mm	2.750" / 69.850mm	0.562" / 14.270mm	Nitrile	273
55X85X8	2.165" / 55.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	32	60X100X10	2.362" / 60.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Polyacrylate	32
55X90X13	2.165" / 55.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.512" / 13.000mm	Nitrile	32	60X110X8	2.362" / 60.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.315" / 8.000mm	Nitrile	32
55X90X8	2.165" / 55.000mm	3.543" / 90.000mm	3.554" / 90.270mm	0.315" / 8.000mm	Nitrile	32	60X72X8	2.362" / 60.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	35
56X68X10	2.205" / 56.000mm	2.677" / 68.000mm	2.682" / 68.120mm	0.394" / 10.000mm	Polyacrylate	32	60X80X8	2.362" / 60.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32
56X70X8	2.205" / 56.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Nitrile	35	60X82X7	2.362" / 60.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	32
56X72X7	2.205" / 56.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.276" / 7.000mm	Nitrile	32	60X85X8	2.362" / 60.000mm	3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	32
56X75X7	2.205" / 56.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.276" / 7.000mm	Nitrile	32	60X90X8	2.362" / 60.000mm	3.543" / 90.000mm	3.553" / 90.250mm	0.315" / 8.000mm	Nitrile	32
56X80X8	2.205" / 56.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	60X95X8	2.362" / 60.000mm	3.740" / 95.000mm	3.748" / 95.200mm	0.315" / 8.000mm	Nitrile	32
56X85X8	2.205" / 56.000mm	3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	35	6163S	2.000" / 50.800mm	2.875" / 73.030mm	2.879" / 73.130mm	0.703" / 17.860mm	Nitrile	21
56X90X8	2.205" / 56.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	6186	2.187" / 55.550mm	3.189" / 81.000mm	3.194" / 81.130mm	0.718" / 18.240mm	Leather	1L
5727	1.625" / 41.280mm	2.722" / 69.140mm	2.727" / 69.270mm	0.406" / 10.310mm	Felt	205	6200	1.375" / 34.930mm	2.250" / 57.150mm	2.252" / 57.200mm	1.062" / 26.970mm	Leather	9L
5751	3.125" / 79.380mm	4.562" / 115.870mm	4.567" / 116.000mm	1.198" / 30.430mm	Leather	34	6241S	1.375" / 34.930mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	48
5756	2.062" / 52.370mm	3.151" / 80.040mm	3.156" / 80.160mm	0.240" / 6.100mm	Felt	29	6270	3.937" / 100.000mm	5.371" / 136.420mm	5.377" / 136.580mm	0.906" / 23.010mm	Nitrile	21
5778	1.552" / 39.420mm	3.160" / 80.260mm	3.165" / 80.390mm	0.645" / 16.383mm	Polyacrylate	72	6283S	1.610" / 40.890mm	2.500" / 63.500mm	2.531" / 64.290mm	0.300" / 7.620mm	Nitrile	26
5778V	1.552" / 39.420mm	3.160" / 80.260mm	3.165" / 80.390mm	0.645" / 16.383mm	Fluoro-Elastomer	72	62X100X7	2.441" / 62.000mm	3.937" / 100.000mm	3.949" / 100.300mm	0.276" / 7.000mm	Nitrile	32
5796	1.562" / 39.670mm	2.686" / 68.220mm	2.690" / 68.330mm	0.375" / 9.530mm	Leather	201	62X80X10	2.441" / 62.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32
57X85X13	2.244" / 57.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.512" / 13.000mm	Nitrile	32	62X80X9	2.441" / 62.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 9.000mm	Nitrile	32
5827	1.750" / 44.450mm	2.750" / 69.850mm	2.754" / 69.950mm	0.484" / 12.290mm	Leather	201	62X85X8	2.441" / 62.000mm	3.346" / 85.000mm	3.352" / 85.130mm	0.315" / 8.000mm	Nitrile	41
5836	1.734" / 44.040mm	2.726" / 69.240mm	2.730" / 69.340mm	0.500" / 12.700mm	Leather	201	6312	1.500" / 38.100mm	2.187" / 55.550mm	2.187" / 55.550mm	0.500" / 12.700mm	Leather	8L
5857	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.312" / 7.920mm	Felt	29	6324S	0.968" / 24.590mm	1.500" / 38.100mm	1.507" / 38.280mm	0.187" / 4.750mm	Nitrile	34
5865	2.000" / 50.800mm	2.750" / 69.850mm	2.754" / 69.950mm	0.187" / 4.750mm	Leather	4L	6329S	4.687" / 119.050mm	5.751" / 146.080mm	5.756" / 146.200mm	0.750" / 19.050mm	Nitrile	7S
5872S	1.375" / 34.930mm	2.000" / 50.800mm	2.004" / 50.900mm	0.320" / 8.130mm	Nitrile	45	6336S	1.562" / 39.670mm	2.684" / 68.170mm	2.701" / 68.610mm	0.250" / 6.350mm	Nitrile	26
5877	2.062" / 52.370mm	2.842" / 72.190mm	2.846" / 72.290mm	0.450" / 11.430mm	Leather	5L	6358	3.187" / 80.950mm	4.625" / 117.480mm	4.630" / 117.600mm	0.442" / 11.230mm	Nitrile	47
58X72X8	2.283" / 58.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.315" / 8.000mm	Nitrile	32	6370N	1.301" / 33.045mm	1.828" / 46.430mm	1.832" / 46.530mm	0.375" / 9.530mm	Polyacrylate	33

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
6380	2.125" / 53.980mm	3.436" / 87.270mm	3.440" / 87.380mm	0.625" / 15.880mm	Felt	29	6759S	1.500" / 38.100mm	1.997" / 50.720mm	2.001" / 50.830mm	0.531" / 13.490mm	Nitrile	1S
63X85X7	2.480" / 63.000mm	3.346" / 85.000mm	3.357" / 85.270mm	0.276" / 7.000mm	Nitrile	32	6760S	1.375" / 34.930mm	2.062" / 52.370mm	2.072" / 52.630mm	0.250" / 6.350mm	Nitrile	35
63X90X7	2.480" / 63.000mm	3.543" / 90.000mm	3.554" / 90.270mm	0.276" / 7.000mm	Nitrile	32	6781	1.796" / 45.620mm	2.725" / 69.220mm	2.730" / 69.340mm	0.500" / 12.700mm	Leather	201
6460S	1.875" / 47.630mm	2.758" / 70.050mm	2.762" / 70.150mm	0.500" / 12.700mm	Nitrile	41	6785	2.480" / 62.990mm	3.310" / 84.070mm	3.316" / 84.230mm	0.500" / 12.700mm	Felt	35
6481S	3.125" / 79.380mm	7.000" / 177.800mm	8.250" / 209.550mm	1.003" / 25.480mm	Nitrile	51	6808N	1.875" / 47.630mm	3.160" / 80.260mm	3.165" / 80.390mm	0.562" / 14.270mm	Polyacrylate	45
64X80X8	2.520" / 64.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	6815	1.940" / 49.280mm	2.500" / 63.550mm	2.505" / 63.630mm	0.250" / 6.350mm	Nitrile	286
6545	1.500" / 38.100mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Felt	21	6818	1.739" / 44.170mm	3.000" / 76.200mm	3.008" / 76.400mm	0.500" / 12.700mm	Nitrile	71
6547	1.875" / 47.630mm	2.996" / 76.100mm	3.001" / 76.230mm	0.375" / 9.530mm	Leather	201	6832S	1.125" / 28.580mm	1.935" / 49.150mm	1.942" / 49.330mm	0.625" / 15.880mm	Nitrile	204
6565N	4.125" / 104.780mm	4.999" / 126.970mm	5.004" / 127.100mm	0.468" / 11.890mm	Polyacrylate	41	6835S	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.312" / 7.920mm	Nitrile	33
6575S	2.474" / 62.840mm	3.543" / 90.000mm	3.548" / 90.120mm	0.285" / 7.240mm	Nitrile	200	6840S	1.730" / 43.940mm	2.336" / 59.330mm	2.340" / 59.440mm	0.250" / 6.350mm	Nitrile	4S
6584S	3.250" / 82.550mm	4.500" / 114.300mm	4.507" / 114.480mm	0.718" / 18.240mm	Nitrile	74	6847S	1.000" / 25.400mm	1.250" / 31.750mm	1.254" / 31.850mm	0.536" / 13.610mm	Nitrile	#
6590S	2.093" / 53.160mm	2.717" / 69.000mm	2.721" / 69.110mm	0.406" / 10.310mm	Nitrile	204	6859S	1.247" / 31.670mm	1.687" / 42.850mm	1.691" / 42.950mm	0.312" / 7.920mm	Nitrile	33
6597S	1.375" / 34.930mm	1.829" / 46.460mm	1.837" / 46.660mm	0.187" / 4.750mm	Nitrile	34	6863S	0.437" / 11.100mm	0.999" / 25.370mm	1.007" / 25.580mm	0.250" / 6.350mm	Nitrile	35
65X100X10	2.559" / 65.000mm	3.937" / 100.000mm	3.948" / 100.280mm	0.394" / 10.000mm	Nitrile	35	6864S	4.050" / 102.870mm	5.501" / 139.730mm	5.506" / 139.850mm	0.671" / 17.040mm	Nitrile	45
65X100X7	2.559" / 65.000mm	3.937" / 100.000mm	3.949" / 100.300mm	0.276" / 7.000mm	Nitrile	32	6872S	5.500" / 139.700mm	6.312" / 160.320mm	6.316" / 160.430mm	1.250" / 31.750mm	Nitrile	47
65X80X8	2.559" / 65.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.315" / 8.000mm	Nitrile	32	6879H	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.375" / 9.530mm	Silicone	33
65X85X10	2.559" / 65.000mm	3.346" / 85.000mm	3.357" / 85.270mm	0.394" / 10.000mm	Nitrile	32	68X100X10	2.677" / 68.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35
65X85X8	2.559" / 65.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	35	68X100X13	2.677" / 68.000mm	3.937" / 100.000mm	3.948" / 100.280mm	0.512" / 13.000mm	Nitrile	32
65X88X10	2.559" / 65.000mm	3.465" / 88.000mm	3.472" / 88.200mm	0.394" / 10.000mm	Nitrile	32	68X100X7	2.677" / 68.000mm	3.937" / 100.000mm	3.948" / 100.280mm	0.276" / 7.000mm	Nitrile	32
65X88X8	2.559" / 65.000mm	3.465" / 88.000mm	3.472" / 88.200mm	0.315" / 8.000mm	Nitrile	35	68X82X7	2.677" / 68.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	32
65X90X10	2.559" / 65.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.394" / 10.000mm	Nitrile	32	68X85X8	2.677" / 68.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.315" / 8.000mm	Nitrile	35
65X90X7	2.559" / 65.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	68X90X10	2.677" / 68.000mm	3.543" / 90.000mm	3.556" / 90.320mm	0.394" / 10.000mm	Nitrile	32
65X95X7	2.559" / 65.000mm	3.740" / 95.000mm	3.748" / 95.200mm	0.276" / 7.000mm	Nitrile	32	68X90X7	2.677" / 68.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32
6612S	3.500" / 88.900mm	5.250" / 133.350mm	5.258" / 133.550mm	0.375" / 9.525mm	Nitrile	#	68X95X10	2.677" / 68.000mm	3.740" / 95.000mm	3.748" / 95.200mm	0.394" / 10.000mm	Nitrile	35
6626S	2.125" / 53.980mm	2.875" / 73.030mm	2.879" / 73.130mm	0.312" / 7.920mm	Nitrile	4S	68X95X7	2.677" / 68.000mm	3.740" / 95.000mm	3.751" / 95.280mm	0.276" / 7.000mm	Nitrile	32
6635S	4.375" / 111.130mm	6.064" / 154.030mm	6.071" / 154.200mm	0.625" / 15.880mm	Nitrile	45	6906S	1.250" / 31.750mm	1.969" / 50.000mm	1.972" / 50.090mm	0.468" / 11.890mm	Nitrile	204
6636S	2.187" / 55.550mm	3.187" / 80.950mm	3.194" / 81.130mm	0.687" / 17.450mm	Nitrile	35	6930	1.812" / 46.020mm	4.123" / 104.720mm	4.128" / 104.850mm	0.746" / 18.950mm	Leather	21
6638S	3.500" / 88.900mm	4.841" / 122.960mm	4.848" / 123.140mm	0.875" / 22.230mm	Nitrile	#	6936S	1.763" / 44.780mm	2.412" / 61.260mm	2.416" / 61.370mm	0.375" / 9.530mm	Nitrile	45
6643S	2.750" / 69.850mm	6.200" / 157.480mm	6.220" / 157.990mm	0.700" / 17.780mm	Nitrile	52	6949S	1.750" / 44.450mm	2.875" / 73.030mm	2.880" / 73.150mm	0.500" / 12.700mm	Nitrile	274
6649	3.125" / 79.380mm	8.250" / 209.550mm	8.257" / 209.730mm	0.571" / 14.500mm	Nitrile	52	6954S	2.062" / 52.370mm	3.000" / 76.200mm	3.005" / 76.330mm	0.310" / 7.870mm	Nitrile	44
6663S	4.750" / 120.650mm	6.618" / 168.100mm	6.625" / 168.280mm	1.141" / 28.980mm	Nitrile	89	6960	1.830" / 46.480mm	2.570" / 65.280mm	2.574" / 65.380mm	0.250" / 6.350mm	Leather	4L
6668S	1.375" / 34.930mm	1.875" / 47.630mm	1.878" / 47.700mm	0.187" / 4.750mm	Nitrile	33	6985	1.875" / 47.630mm	2.628" / 66.750mm	2.633" / 66.880mm	0.347" / 8.810mm	Felt	29
6703S	1.750" / 44.450mm	2.250" / 57.150mm	2.258" / 57.350mm	0.187" / 4.750mm	Nitrile	35	6988H	1.937" / 49.200mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Silicone	33
6712NA	1.875" / 47.630mm	2.758" / 70.050mm	2.762" / 70.150mm	0.425" / 10.800mm	Polyacrylate	75	6X16X5	0.236" / 6.000mm	0.630" / 16.000mm	0.638" / 16.200mm	0.197" / 5.000mm	Nitrile	35

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
6X16X7	0.236" / 6.000mm	0.630" / 16.000mm	0.641" / 16.280mm	0.276" / 7.000mm	Nitrile	35	710041	2.250" / 57.150mm	2.750" / 69.850mm	2.755" / 69.980mm	0.281" / 7.140mm	Urethane	#
6X22X7	0.236" / 6.000mm	0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	35	710043	1.301" / 33.050mm	2.620" / 66.550mm	2.625" / 66.680mm	0.315" / 8.000mm	Nitrile	#
7013S	0.750" / 19.050mm	1.311" / 33.300mm	1.315" / 33.400mm	0.312" / 7.920mm	Nitrile	25	710044	1.500" / 38.100mm	1.875" / 47.630mm	1.880" / 47.750mm	0.188" / 4.780mm	Nitrile	34
7014S	0.875" / 22.230mm	1.254" / 31.850mm	1.260" / 32.000mm	0.205" / 5.210mm	Nitrile	4S	710045	2.250" / 57.150mm	2.835" / 72.010mm	2.840" / 72.140mm	0.500" / 12.700mm	Nitrile	VRS1
7022S	1.687" / 42.850mm	2.328" / 59.130mm	2.332" / 59.230mm	0.531" / 13.490mm	Nitrile	276	710046	1.552" / 39.420mm	2.447" / 62.150mm	2.452" / 62.280mm	3.934" / 10.000mm	Nitrile	86
7038SA	1.687" / 42.850mm	2.502" / 63.550mm	2.506" / 63.650mm	0.582" / 14.780mm	Nitrile	41	710051	1.378" / 35.000mm	1.890" / 48.000mm	1.901" / 48.280mm	0.315" / 8.000mm	Nitrile	86
7044NA	1.812" / 46.020mm	3.000" / 76.200mm	3.005" / 76.330mm	0.455" / 11.560mm	Nitrile	86	710052	6.063" / 154.000mm	6.890" / 175.000mm	6.894" / 175.100mm	0.512" / 13.000mm	Nitrile	47
70X100X10	2.756" / 70.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	32	710055	2.598" / 66.000mm	5.276" / 134.000mm	5.283" / 134.200mm	0.610" / 15.500mm	Nitrile	32
70X100X13	2.756" / 70.000mm	3.937" / 100.000mm	3.948" / 100.280mm	0.512" / 13.000mm	Nitrile	32	710056	3.583" / 91.000mm	4.370" / 111.000mm	4.378" / 111.200mm	0.394" / 10.000mm	Fluoro-Elastomer	47
70X105X13	2.756" / 70.000mm	4.134" / 105.000mm	4.142" / 105.200mm	0.512" / 13.000mm	Nitrile	35	710057	1.417" / 36.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Nitrile	48
70X105X7	2.756" / 70.000mm	4.134" / 105.000mm	4.146" / 105.300mm	0.276" / 7.000mm	Nitrile	32	710058	1.937" / 49.200mm	2.562" / 65.070mm	2.566" / 65.180mm	0.317" / 8.050mm	Nitrile	48
70X110X10	2.756" / 70.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	35	710060	3.740" / 95.000mm	4.646" / 118.000mm	4.657" / 118.290mm	0.335" / 8.500mm	Silicone	32
70X85X8	2.756" / 70.000mm	3.346" / 85.000mm	3.357" / 85.280mm	0.315" / 8.000mm	Nitrile	35	710062	1.750" / 44.450mm	2.374" / 60.300mm	2.378" / 60.400mm	0.484" / 12.290mm	Nitrile	#
70X88X8	2.756" / 70.000mm	3.465" / 88.000mm	3.474" / 88.250mm	0.315" / 8.000mm	Nitrile	32	710065	1.181" / 30.000mm	2.559" / 65.000mm	2.568" / 65.230mm	1.339" / 34.000mm	Nitrile	#
70X90X10	2.756" / 70.000mm	3.543" / 90.000mm	3.556" / 90.320mm	0.394" / 10.000mm	Nitrile	32	710067	1.703" / 43.260mm	3.030" / 76.960mm	3.039" / 77.190mm	0.500" / 12.700mm	Nitrile	69
70X90X7	2.756" / 70.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.276" / 7.000mm	Nitrile	32	710068	1.190" / 30.280mm	2.122" / 53.900mm	2.128" / 54.050mm	0.350" / 8.890mm	Nitrile	#
70X92X12	2.756" / 70.000mm	3.622" / 92.000mm	3.630" / 92.200mm	0.472" / 12.000mm	Nitrile	32	710069	2.205" / 56.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	87
710005	1.750" / 44.450mm	3.062" / 77.770mm	3.066" / 77.880mm	0.485" / 12.320mm	Nitrile	86	710070	1.299" / 33.000mm	1.732" / 44.000mm	1.739" / 44.180mm	0.276" / 7.000mm	Nitrile	47
710006	2.375" / 60.330mm	4.500" / 114.300mm	4.504" / 114.400mm	1.060" / 26.920mm	Polyacrylate	74	710071	1.969" / 50.000mm	3.661" / 93.000mm	3.672" / 93.280mm	0.945" / 24.000mm	Nitrile	74
710008	3.000" / 76.200mm	5.751" / 146.080mm	5.756" / 146.200mm	0.840" / 21.340mm	Polyacrylate	74	710072	2.244" / 57.000mm	3.110" / 79.000mm	3.121" / 79.280mm	0.354" / 9.000mm	Nitrile	75
710013	1.750" / 44.450mm	2.437" / 61.900mm	2.441" / 62.000mm	0.375" / 9.530mm	Urethane	#	710073	2.126" / 54.000mm	2.965" / 75.300mm	2.972" / 75.480mm	0.472" / 12.000mm	Nitrile	40
710014	1.250" / 31.750mm	1.750" / 44.450mm	1.756" / 44.600mm	0.250" / 6.350mm	Urethane	#	710075	2.832" / 71.930mm	3.625" / 92.080mm	3.635" / 92.330mm	0.375" / 9.530mm	Fluoro-Elastomer	32
710019	1.875" / 47.630mm	2.875" / 73.030mm	2.886" / 73.300mm	0.625" / 15.880mm	Urethane	#	710076	1.378" / 35.000mm	1.614" / 41.000mm	1.620" / 41.150mm	0.217" / 5.500mm	Nitrile	35
710022	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	11.890mm	Silicone	45	710077	3.375" / 85.730mm	3.948" / 100.280mm	3.955" / 100.460mm	0.375" / 9.530mm	Nitrile	32
710023	1.500" / 38.100mm	2.000" / 50.800mm	2.005" / 50.930mm	0.250" / 6.350mm	Urethane	#	710078	1.772" / 45.000mm	2.441" / 62.000mm	2.447" / 62.150mm	0.315" / 8.000mm	Fluoro-Elastomer	47
710024	1.750" / 44.450mm	2.250" / 57.150mm	2.255" / 57.280mm	0.250" / 6.350mm	Urethane	#	710079	3.189" / 81.000mm	4.921" / 125.000mm	4.929" / 125.200mm	0.433" / 11.000mm	Nitrile	#
710025	2.000" / 50.800mm	2.500" / 63.500mm	2.505" / 63.630mm	0.250" / 6.350mm	Urethane	#	710080	3.150" / 80.000mm	4.449" / 113.000mm	4.456" / 113.180mm	0.472" / 12.000mm	Nitrile	90
710026	2.250" / 57.150mm	2.750" / 69.850mm	2.755" / 69.980mm	0.250" / 6.350mm	Urethane	#	710081	1.929" / 49.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.315" / 8.000mm	Nitrile	32
710027	2.500" / 63.500mm	3.000" / 76.200mm	3.005" / 76.330mm	0.313" / 7.950mm	Urethane	#	710083	6.063" / 154.000mm	6.772" / 172.000mm	6.776" / 172.100mm	0.551" / 14.000mm	Nitrile	47
710028	3.000" / 76.200mm	3.500" / 88.900mm	3.505" / 89.030mm	0.313" / 7.950mm	Urethane	#	710084	4.724" / 120.000mm	5.512" / 140.000mm	5.520" / 140.210mm	0.413" / 10.500mm	Nitrile	47
710029	3.500" / 88.900mm	4.000" / 101.600mm	4.005" / 101.730mm	0.313" / 7.950mm	Urethane	#	710085	3.740" / 95.000mm	5.197" / 132.000mm	5.207" / 132.260mm	0.472" / 12.000mm	Nitrile	90
710030	3.500" / 88.900mm	4.125" / 104.780mm	4.130" / 104.900mm	0.313" / 7.950mm	Urethane	#	710086	2.205" / 56.000mm	4.803" / 122.000mm	4.813" / 122.250mm	0.315" / 8.000mm	Nitrile	32
710034	2.500" / 63.500mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Urethane	#	710087	2.953" / 75.000mm	4.409" / 112.000mm	4.416" / 112.170mm	0.394" / 10.000mm	Nitrile	45
710038	2.750" / 69.850mm	3.250" / 82.550mm	3.255" / 82.700mm	0.312" / 7.920mm	Urethane	#	710088	3.346" / 85.000mm	5.039" / 128.000mm	5.050" / 128.270mm	0.433" / 11.000mm	Nitrile	90

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710089	4.64" / 118.000mm	6.811" / 173.000mm	6.843" / 173.800mm	1.102" / 28.000mm	Nitrile	90	710128	1.811" / 46.000mm	2.732" / 69.400mm	2.740" / 69.600mm	0.394" / 10.000mm	Nitrile	40
710091	2.700" / 68.580mm	3.499" / 88.875mm	3.504" / 89.002mm	.310" / 7.874mm	Nitrile	272	710130	2.520" / 64.000mm	3.031" / 77.000mm	3.039" / 77.200mm	0.315" / 8.000mm	Nitrile	56
710092	2.598" / 66.000mm	3.346" / 85.000mm	3.351" / 85.120mm	0.315" / 8.000mm	Nitrile	41	710132	1.299" / 33.000mm	2.008" / 56.000mm	2.214" / 56.230mm	0.315" / 8.000mm	Polyacrylate	40
710093	2.362" / 60.000mm	2.953" / 75.000mm	2.959" / 75.160mm	0.228" / 5.800mm	Nitrile	47	710133	1.654" / 42.000mm	3.543" / 90.000mm	3.547" / 90.090mm	0.374" / 9.500mm	Polyacrylate	32
710094	2.559" / 65.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.276" / 7.000mm	Nitrile	66	710134	1.575" / 40.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.394" / 10.000mm	Nitrile	40
710095	1.775" / 45.090mm	1.970" / 50.040mm	1.970" / 50.050mm	0.365" / 9.270mm	Nitrile	35	710136	2.283" / 58.000mm	2.953" / 75.000mm	2.965" / 75.310mm	0.276" / 7.000mm	Nitrile	35
710096	1.378" / 35.000mm	2.240" / 56.900mm	2.246" / 57.050mm	0.764" / 19.410mm	Polyacrylate	74	710137	1.969" / 50.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.354" / 9.000mm	Nitrile	40
710097	1.654" / 42.000mm	2.205" / 56.000mm	2.213" / 56.210mm	0.236" / 6.000mm	Nitrile	74	710138	1.378" / 35.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Nitrile	40
710098	1.969" / 50.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.256" / 6.500mm	Nitrile	71	710139	1.496" / 38.000mm	2.283" / 58.000mm	2.294" / 58.270mm	0.394" / 10.000mm	Polyacrylate	40
710101	1.250" / 31.750mm	2.398" / 60.910mm	2.402" / 61.010mm	0.228" / 5.790mm	Nitrile	74	710140	1.594" / 40.500mm	2.283" / 58.000mm	2.293" / 58.230mm	0.315" / 8.000mm	Nitrile	32
710102	1.650" / 41.910mm	2.410" / 61.210mm	2.414" / 61.320mm	0.361" / 9.170mm	Nitrile	74	710141	1.614" / 41.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Polyacrylate	40
710103	3.142" / 79.810mm	3.733" / 94.820mm	3.736" / 94.890mm	0.565" / 14.350mm	Nitrile	278	710142	1.693" / 43.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.354" / 9.000mm	Nitrile	40
710104	2.244" / 57.000mm	4.843" / 123.000mm	4.854" / 123.300mm	0.433" / 11.000mm	Nitrile	40	710143	1.850" / 47.000mm	3.307" / 84.000mm	3.315" / 84.200mm	0.433" / 11.000mm	Nitrile	86
710105	1.705" / 43.310mm	3.080" / 78.230mm	3.084" / 78.330mm	0.461" / 11.710mm	Nitrile	74	710144	2.283" / 58.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Nitrile	40
710106	3.133" / 79.580mm	3.547" / 90.090mm	3.551" / 90.200mm	0.366" / 9.300mm	Nitrile	278	710146	2.205" / 56.000mm	2.992" / 76.000mm	2.988" / 76.142mm	0.236" / 6.000mm	Nitrile	72
710107	2.047" / 52.000mm	3.031" / 77.000mm	3.071" / 78.000mm	0.354" / 9.000mm	Nitrile	34	710147	1.575" / 40.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Nitrile	40
710108	2.205" / 56.000mm	2.992" / 76.000mm	2.997" / 76.120mm	0.293" / 4.900mm	Nitrile	66	710148	1.929" / 49.000mm	2.843" / 72.200mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	97
710109	1.339" / 34.000mm	2.480" / 63.000mm	2.484" / 63.090mm	0.354" / 9.000mm	Polyacrylate	40	710150	1.850" / 47.000mm	2.272" / 57.700mm	2.276" / 57.800mm	0.500" / 12.700mm	Nitrile	51
710110	1.339" / 34.000mm	2.126" / 54.000mm	2.136" / 54.250mm	0.354" / 9.000mm	Polyacrylate	40	710151	1.378" / 35.000mm	2.559" / 65.000mm	2.563" / 65.100mm	0.472" / 12.000mm	Nitrile	47
710112	1.969" / 50.000mm	3.150" / 80.000mm	3.161" / 80.300mm	0.650" / 16.500mm	Polyacrylate	40	710153	1.043" / 26.500mm	1.732" / 44.000mm	1.748" / 44.400mm	0.315" / 8.000mm	Nitrile	32
710113	1.575" / 40.000mm	2.953" / 75.000mm	2.965" / 75.300mm	0.472" / 12.000mm	Nitrile	40	710154	0.748" / 19.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Nitrile	32
710114	1.614" / 41.000mm	2.323" / 59.000mm	2.327" / 59.100mm	0.394" / 10.000mm	Polyacrylate	98	710156	0.709" / 18.000mm	1.181" / 30.000mm	1.264" / 32.100mm	0.295" / 7.500mm	Nitrile	32
710115	1.732" / 44.000mm	3.150" / 80.000mm	3.154" / 80.120mm	0.335" / 8.500mm	Nitrile	40	710157	1.102" / 28.000mm	1.693" / 43.000mm	1.702" / 43.230mm	0.276" / 7.000mm	Nitrile	32
710116	0.551" / 14.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.394" / 7.000mm	Polyacrylate	32	710159	1.693" / 43.000mm	2.302" / 58.470mm	2.308" / 58.620mm	0.295" / 7.500mm	Polyacrylate	72
710117	1.969" / 50.000mm	3.386" / 86.000mm	3.398" / 86.300mm	0.512" / 13.000mm	Polyacrylate	40	710160	1.772" / 45.000mm	2.598" / 66.000mm	2.608" / 66.240mm	0.295" / 7.500mm	Nitrile	32
710118	1.535" / 39.000mm	2.323" / 59.000mm	2.335" / 59.300mm	0.433" / 11.000mm	Nitrile	40	710161	1.811" / 46.000mm	2.697" / 68.500mm	2.705" / 68.700mm	0.276" / 7.000mm	Nitrile	32
710119	1.102" / 28.000mm	1.693" / 43.000mm	1.702" / 43.230mm	0.315" / 8.000mm	Polyacrylate	32	710162	1.937" / 49.200mm	2.750" / 69.850mm	2.754" / 69.950mm	0.313" / 7.950mm	Fluoro-Elastomer	48
710120	1.535" / 39.000mm	1.969" / 50.000mm	1.980" / 50.290mm	0.433" / 11.000mm	Polyacrylate	35	710163	1.937" / 49.200mm	2.650" / 67.310mm	2.655" / 67.440mm	0.360" / 9.140mm	Rope	#
710121	2.323" / 59.000mm	3.937" / 100.000mm	3.948" / 100.280mm	10.000mm	Polyacrylate	56	710164	1.260" / 32.000mm	1.969" / 50.000mm	1.974" / 50.140mm	0.315" / 8.000mm	Fluoro-Elastomer	48
710122	1.535" / 39.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.591" / 15.000mm	Polyacrylate	40	710166	1.399" / 35.530mm	2.290" / 58.166mm	2.294" / 58.270mm	0.500" / 12.700mm	Nitrile	74
710123	1.535" / 39.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.433" / 11.000mm	Polyacrylate	40	710167	1.890" / 48.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.512" / 13.000mm	Nitrile	75
710124	1.299" / 33.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.433" / 11.000mm	Polyacrylate	40	710168	2.323" / 59.000mm	2.953" / 75.000mm	2.957" / 75.110mm	0.394" / 10.000mm	Nitrile	47
710125	2.205" / 56.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Nitrile	47	710169	2.205" / 56.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.217" / 5.500mm	Nitrile	35
710127	2.165" / 55.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Nitrile	74	710170	2.402" / 61.000mm	3.465" / 88.000mm	3.465" / 88.000mm	0.276" / 7.000mm	Nitrile	47

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710171	2.200" / 55.880mm	2.804" / 71.220mm	2.809" / 71.350mm	0.300" / 7.620mm	Polyacrylate	47	710217	1.378" / 35.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.354" / 9.000mm	Nitrile	74
710172	1.220" / 31.000mm	1.654" / 42.000mm	1.662" / 42.210mm	0.315" / 8.000mm	Fluoro-Elastomer	35	710218	1.378" / 35.000mm	2.205" / 56.000mm	2.209" / 56.100mm	0.630" / 16.000mm	Fluoro-Elastomer	32
710173	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Polyacrylate	40	710220	1.614" / 41.000mm	2.441" / 62.000mm	2.450" / 62.230mm	0.354" / 9.000mm	Polyacrylate	32
710175	2.087" / 53.000mm	2.685" / 68.200mm	2.696" / 68.480mm	0.276" / 7.000mm	Nitrile	32	710221	1.654" / 42.000mm	2.205" / 56.000mm	2.209" / 56.100mm	0.197" / 5.000mm	Polyacrylate	47
710176	2.205" / 56.000mm	2.913" / 74.000mm	2.919" / 74.140mm	0.335" / 8.500mm	Nitrile	87	710222	0.709" / 18.000mm	1.024" / 26.000mm	1.028" / 26.100mm	0.157" / 4.000mm	Nitrile	98
710177	3.031" / 77.000mm	3.583" / 91.000mm	3.591" / 91.200mm	0.236" / 6.000mm	Polyacrylate	87	710223	1.693" / 43.000mm	2.205" / 56.000mm	2.209" / 56.100mm	0.335" / 8.500mm	Nitrile	62
710178	1.378" / 35.000mm	1.929" / 49.000mm	1.941" / 49.300mm	0.315" / 8.000mm	Nitrile	32	710225	2.244" / 57.000mm	3.150" / 80.000mm	3.154" / 80.100mm	0.315" / 8.000mm	Nitrile	48
710179	1.654" / 42.000mm	2.551" / 64.800mm	2.555" / 65.000mm	0.531" / 13.500mm	Nitrile	32	710226	1.969" / 50.000mm	2.638" / 67.000mm	2.648" / 67.260mm	0.315" / 8.000mm	Nitrile	32
710180	3.250" / 82.550mm	3.879" / 98.530mm	3.881" / 98.580mm	0.375" / 9.530mm	Fluoro-Elastomer	48	710227	1.575" / 40.000mm	2.441" / 62.000mm	2.453" / 62.300mm	0.256" / 6.500mm	Nitrile	32
710183	2.283" / 58.000mm	2.992" / 76.000mm	2.996" / 76.100mm	0.256" / 6.500mm	Nitrile	66	710228	1.457" / 37.000mm	2.441" / 62.000mm	2.450" / 62.230mm	0.394" / 10.000mm	Nitrile	40
710184	1.850" / 47.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.276" / 7.000mm	Polyacrylate	47	710229	2.323" / 59.000mm	3.083" / 78.300mm	3.093" / 78.550mm	0.315" / 8.000mm	Nitrile	40
710185	2.047" / 52.000mm	3.701" / 94.000mm	3.713" / 94.300mm	0.394" / 10.000mm	Nitrile	35	710230	2.283" / 58.000mm	2.992" / 76.000mm	3.001" / 76.230mm	0.307" / 7.800mm	Nitrile	32
710187	2.047" / 52.000mm	2.756" / 70.000mm	2.766" / 70.270mm	0.335" / 8.500mm	Polyacrylate	32	710231	2.323" / 59.000mm	3.083" / 78.300mm	3.093" / 78.550mm	0.315" / 8.000mm	Nitrile	32
710188	3.465" / 88.000mm	4.173" / 106.000mm	4.184" / 106.280mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710232	3.386" / 86.000mm	4.094" / 104.000mm	4.104" / 104.230mm	0.433" / 11.000mm	Fluoro-Elastomer	32
710189	3.504" / 89.000mm	4.134" / 105.000mm	4.146" / 105.300mm	0.394" / 10.000mm	Fluoro-Elastomer	47	710233	1.516" / 38.500mm	2.087" / 53.000mm	2.096" / 53.230mm	0.315" / 8.000mm	Polyacrylate	32
710190	2.047" / 52.000mm	2.677" / 68.000mm	2.694" / 68.430mm	0.394" / 10.000mm	Silicone	32	710234	2.677" / 68.000mm	3.307" / 84.000mm	3.316" / 84.230mm	0.335" / 8.500mm	Polyacrylate	32
710191	1.850" / 47.000mm	2.520" / 64.000mm	2.523" / 64.080mm	0.276" / 7.000mm	Nitrile	25	710235	3.386" / 86.000mm	4.055" / 103.000mm	4.064" / 103.230mm	0.394" / 10.000mm	Silicone	32
710192	1.969" / 50.000mm	2.362" / 60.000mm	2.372" / 60.250mm	0.236" / 6.000mm	Nitrile	32	710236	1.299" / 33.000mm	1.929" / 49.000mm	1.938" / 49.230mm	0.315" / 8.000mm	Polyacrylate	32
710193	1.772" / 45.000mm	2.323" / 59.000mm	2.334" / 59.280mm	0.295" / 7.500mm	Nitrile	32	710237	3.543" / 90.000mm	4.094" / 104.000mm	4.098" / 104.100mm	0.433" / 11.000mm	Fluoro-Elastomer	32
710194	1.969" / 50.000mm	2.677" / 68.000mm	2.688" / 68.270mm	0.276" / 7.000mm	Nitrile	32	710239	2.126" / 54.000mm	2.717" / 69.000mm	2.726" / 69.230mm	0.295" / 7.500mm	Polyacrylate	40
710195	1.654" / 42.000mm	2.992" / 76.000mm	3.003" / 76.280mm	0.472" / 12.000mm	Nitrile	40	710240	2.953" / 75.000mm	3.425" / 87.000mm	3.433" / 87.200mm	0.276" / 7.000mm	Nitrile	35
710196	1.575" / 40.000mm	2.441" / 62.000mm	2.452" / 62.270mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710241	1.628" / 41.350mm	2.278" / 57.860mm	2.282" / 57.960mm	0.343" / 8.710mm	Nitrile	68
710197	1.378" / 35.000mm	2.126" / 54.000mm	2.137" / 54.280mm	0.315" / 8.000mm	Polyacrylate	40	710245	1.654" / 42.000mm	2.992" / 76.000mm	2.996" / 76.100mm	0.551" / 14.000mm	Polyacrylate	40
710198	1.565" / 39.750mm	2.372" / 60.250mm	2.382" / 60.500mm	0.394" / 10.000mm	Nitrile	40	710246	1.654" / 42.000mm	3.543" / 90.000mm	3.554" / 90.280mm	0.472" / 12.000mm	Polyacrylate	40
710199	1.378" / 35.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.394" / 10.000mm	Polyacrylate	86	710247	1.496" / 38.000mm	1.929" / 49.000mm	1.937" / 49.200mm	0.315" / 8.000mm	Polyacrylate	62
710202	1.628" / 41.350mm	2.125" / 53.980mm	2.131" / 54.130mm	0.342" / 8.700mm	Nitrile	30	710248	1.772" / 45.000mm	3.071" / 78.000mm	3.075" / 78.100mm	0.433" / 11.000mm	Polyacrylate	66
710204	1.625" / 41.280mm	2.282" / 57.960mm	2.286" / 58.060mm	0.313" / 7.950mm	Nitrile	48	710250	1.575" / 40.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.571" / 14.500mm	Polyacrylate	91
710207	1.654" / 42.000mm	2.835" / 72.000mm	2.846" / 72.280mm	0.472" / 12.000mm	Nitrile	40	710251	0.669" / 17.000mm	1.339" / 34.000mm	1.343" / 34.100mm	0.311" / 7.900mm	Polyacrylate	47
710208	1.693" / 43.000mm	3.622" / 92.000mm	3.633" / 92.280mm	0.492" / 12.500mm	Nitrile	40	710252	1.417" / 36.000mm	1.732" / 44.000mm	1.741" / 44.230mm	0.197" / 5.000mm	Nitrile	32
710211	1.875" / 47.630mm	2.677" / 68.000mm	2.681" / 68.100mm	0.375" / 9.530mm	Polyacrylate	74	710253	2.047" / 52.000mm	2.441" / 62.000mm	2.480" / 63.000mm	0.217" / 5.500mm	Nitrile	34
710212	2.913" / 74.000mm	6.142" / 156.000mm	6.146" / 156.100mm	0.551" / 14.000mm	Nitrile	40	710254	0.905" / 23.000mm	1.260" / 32.000mm	1.268" / 32.200mm	0.217" / 5.500mm	Nitrile	34
710213	2.441" / 62.000mm	3.071" / 78.000mm	3.075" / 78.100mm	0.276" / 7.000mm	Nitrile	281	710255	1.929" / 49.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.339" / 8.600mm	Nitrile	32
710214	1.535" / 39.000mm	2.323" / 59.000mm	2.334" / 59.280mm	0.472" / 12.000mm	Polyacrylate	40	710256	2.520" / 64.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.276" / 7.000mm	Nitrile	62
710215	1.850" / 47.000mm	2.598" / 66.000mm	2.602" / 66.100mm	0.433" / 11.000mm	Nitrile	66	710258	4.528" / 115.000mm	5.315" / 135.000mm	5.323" / 135.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710259	1.457" / 37.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.492" / 12.500mm	Fluoro-Elastomer	32	710302	/	1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Nitrile	34
710261	0.626" / 15.900mm	2.205" / 56.000mm	2.213" / 56.200mm	0.256" / 6.500mm	Fluoro-Elastomer	32	710303	1.004" / 25.500mm	1.516" / 38.500mm	1.524" / 38.700mm	0.335" / 8.500mm	Nitrile	35
710262	3.780" / 96.000mm	4.567" / 116.000mm	4.577" / 116.260mm	0.354" / 9.000mm	Fluoro-Elastomer	32	710304	1.479" / 37.570mm	2.563" / 65.100mm	2.567" / 65.200mm	0.470" / 11.940mm	Nitrile	49
710263	2.000" / 50.800mm	2.625" / 66.680mm	2.630" / 66.800mm	0.312" / 7.920mm	Polyacrylate	47	710305	1.929" / 49.000mm	2.756" / 70.000mm	2.760" / 70.100mm	0.492" / 12.500mm	Nitrile	40
710264	1.693" / 43.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.236" / 8.000mm	Silicone	32	710306	1.260" / 32.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.433" / 11.000mm	Nitrile	32
710265	2.008" / 51.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.256" / 6.500mm	Polyacrylate	35	710308	1.575" / 40.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.236" / 6.000mm	Polyacrylate	32
710266	3.661" / 93.000mm	6.063" / 154.000mm	6.067" / 154.100mm	0.315" / 8.000mm	Nitrile	98	710309	1.496" / 38.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.236" / 6.000mm	Nitrile	40
710268	2.283" / 58.000mm	4.055" / 103.000mm	4.063" / 103.200mm	0.433" / 11.000mm	Polyacrylate	40	710310	1.260" / 32.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.236" / 6.000mm	Polyacrylate	32
710271	2.283" / 58.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Nitrile	32	710311	1.575" / 40.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.276" / 7.000mm	Nitrile	25
710272	0.736" / 18.700mm	1.378" / 35.000mm	1.386" / 35.200mm	0.276" / 7.000mm	Polyacrylate	32	710312	2.047" / 52.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.512" / 13.000mm	Nitrile	32
710274	0.610" / 15.490mm	1.102" / 28.000mm	1.106" / 28.090mm	0.600" / 15.240mm	Fluoro-Elastomer	62	710313	1.890" / 48.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.472" / 12.000mm	Nitrile	32
710275	2.677" / 68.000mm	4.882" / 124.000mm	4.886" / 124.100mm	0.453" / 11.500mm	Polyacrylate	40	710314	1.378" / 35.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40
710277	2.520" / 64.000mm	5.217" / 132.500mm	5.224" / 132.700mm	0.512" / 13.000mm	Polyacrylate	32	710315	1.378" / 35.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Nitrile	40
710278	3.937" / 100.000mm	5.709" / 145.000mm	5.713" / 145.100mm	0.591" / 15.000mm	Polyacrylate	59	710316	0.984" / 25.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.315" / 8.000mm	Nitrile	32
710279	2.165" / 55.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710317	1.260" / 32.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.394" / 10.000mm	Nitrile	32
710281	1.940" / 49.280mm	2.900" / 73.660mm	2.905" / 73.910mm	0.400" / 10.160mm	Nitrile	74	710318	1.516" / 38.500mm	2.283" / 58.000mm	2.291" / 58.200mm	0.433" / 11.000mm	Polyacrylate	32
710282	1.280" / 32.500mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Nitrile	32	710319	1.496" / 38.000mm	2.283" / 58.000mm	2.287" / 58.100mm	0.433" / 11.000mm	Nitrile	47
710283	1.732" / 44.000mm	2.559" / 65.000mm	2.563" / 65.100mm	0.354" / 9.000mm	Polyacrylate	62	710320	1.890" / 48.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.354" / 9.000mm	Nitrile	48
710285	1.125" / 28.580mm	1.630" / 41.400mm	1.634" / 41.500mm	0.313" / 7.950mm	Nitrile	32	710323	2.008" / 51.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.335" / 8.500mm	Nitrile	49
710286	1.654" / 42.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.394" / 10.000mm	Polyacrylate	32	710324	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Nitrile	32
710287	1.575" / 40.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Polyacrylate	32	710325	1.102" / 28.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.315" / 8.000mm	Nitrile	32
710288	3.661" / 93.000mm	4.488" / 114.000mm	4.501" / 114.330mm	0.512" / 13.000mm	Fluoro-Elastomer	32	710326	1.575" / 40.000mm	2.520" / 64.000mm	2.524" / 64.100mm	0.472" / 12.000mm	Nitrile	66
710289	1.772" / 45.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710329	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Silicone	32
710290	3.937" / 100.000mm	4.882" / 124.000mm	4.890" / 124.200mm	0.512" / 13.000mm	Fluoro-Elastomer	32	710330	3.346" / 85.000mm	4.409" / 112.000mm	4.417" / 112.200mm	0.197" / 5.000mm	Polyacrylate	44
710291	1.654" / 42.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710331	1.378" / 35.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710292	2.047" / 52.000mm	2.677" / 68.000mm	2.681" / 68.100mm	0.315" / 8.000mm	Nitrile	40	710332	1.220" / 31.000mm	1.811" / 46.000mm	1.819" / 46.200mm	0.315" / 8.000mm	Silicone	32
710293	3.197" / 81.200mm	3.516" / 89.300mm	3.520" / 89.400mm	0.063" / 1.600mm	Nitrile	32	710334	2.677" / 68.000mm	3.386" / 86.000mm	3.394" / 86.200mm	0.315" / 8.000mm	Polyacrylate	32
710295	4.2130" / 107.000mm	4.843" / 123.000mm	4.846" / 123.100mm	0.433" / 11.000mm	Nitrile	47	710336	1.378" / 35.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.354" / 9.000mm	Polyacrylate	40
710296	1.890" / 48.000mm	4.272" / 108.500mm	4.280" / 108.700mm	0.472" / 12.000mm	Nitrile	32	710337	1.850" / 47.000mm	2.843" / 72.200mm	2.850" / 72.400mm	0.236" / 6.000mm	Nitrile	40
710297	0.709" / 18.000mm	0.906" / 23.000mm	0.913" / 23.200mm	0.157" / 4.000mm	Nitrile	34	710338	1.535" / 39.000mm	2.047" / 52.000mm	2.051" / 52.100mm	0.236" / 6.000mm	Nitrile	66
710298	1.654" / 42.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710343	1.417" / 36.000mm	1.811" / 46.000mm	1.815" / 46.100mm	0.354" / 9.000mm	Nitrile	33
710299	0.689" / 17.500mm	1.083" / 27.500mm	1.091" / 27.700mm	0.276" / 7.000mm	Polyacrylate	32	710345	1.772" / 45.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.472" / 12.000mm	Polyacrylate	32
710300	1.575" / 40.000mm	2.185" / 55.500mm	2.193" / 55.700mm	0.354" / 9.000mm	Nitrile	#	710354	1.969" / 50.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Polyacrylate	32
710301	1.654" / 42.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Nitrile	97	710355	1.457" / 37.000mm	1.988" / 50.500mm	1.996" / 50.700mm	0.276" / 7.000mm	Polyacrylate	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710356	1.890" / 48.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 6.500mm	Fluoro-Elastomer	32	710415	1.260" / 32.000mm	1.969" / 50.000mm	1.978" / 50.230mm	0.315" / 8.000mm	Nitrile	32
710357	1.969" / 50.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.354" / 9.000mm	Nitrile	47	710416	1.339" / 34.000mm	1.890" / 48.000mm	1.901" / 48.280mm	0.295" / 7.500mm	Nitrile	35
710361	0.669" / 17.000mm	0.819" / 20.800mm	0.823" / 20.900mm	0.122" / 3.100mm	Nitrile	44	710418	1.339" / 34.000mm	2.087" / 53.000mm	2.098" / 53.280mm	0.315" / 8.000mm	Polyacrylate	32
710362	0.669" / 17.000mm	0.984" / 25.000mm	0.988" / 25.100mm	0.197" / 5.000mm	Nitrile	49	710419	1.378" / 35.000mm	2.480" / 63.000mm	2.491" / 63.280mm	0.394" / 10.000mm	Nitrile	68
710363	3.307" / 84.000mm	4.646" / 118.000mm	4.650" / 118.100mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710421	5.433" / 138.000mm	5.984" / 152.000mm	5.996" / 152.300mm	0.472" / 12.000mm	Nitrile	47
710365	2.000" / 50.800mm	2.720" / 69.090mm	2.725" / 69.220mm	0.210" / 5.330mm	Nitrile	46	710422	1.339" / 34.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Nitrile	35
710369	5.709" / 145.000mm	6.457" / 164.000mm	6.461" / 164.100mm	0.551" / 14.000mm	Nitrile	47	710423	1.772" / 45.000mm	2.087" / 53.000mm	2.094" / 53.200mm	0.256" / 6.500mm	Nitrile	#
710371	3.976" / 101.000mm	4.488" / 114.000mm	4.492" / 114.100mm	0.394" / 10.000mm	Nitrile	25	710424	1.378" / 35.000mm	2.362" / 60.000mm	2.371" / 60.230mm	0.394" / 10.000mm	Nitrile	35
710373	2.559" / 65.000mm	3.346" / 85.000mm	3.350" / 85.100mm	0.394" / 10.000mm	Nitrile	47	710425	5.428" / 137.870mm	6.500" / 165.100mm	6.505" / 165.230mm	0.420" / 10.670mm	Nitrile	230
710383	1.378" / 35.000mm	1.732" / 44.000mm	1.736" / 44.100mm	0.276" / 7.000mm	Nitrile	47	710426	1.500" / 38.100mm	2.377" / 60.38mm	2.385" / 60.58mm	0.433" / 11.000mm	Nitrile	40
710384	2.953" / 75.000mm	3.937" / 100.000mm	3.941" / 100.100mm	0.512" / 13.000mm	Nitrile	25	710428	1.732" / 44.000mm	2.614" / 66.400mm	2.621" / 66.580mm	0.394" / 10.000mm	Fluoro-Elastomer	87
710385	1.772" / 45.000mm	2.000" / 50.800mm	2.175" / 55.250mm	0.200" / 5.080mm	Nitrile	273	710429	1.380" / 35.050mm	2.288" / 58.190mm	2.291" / 58.240mm	0.453" / 11.500mm	Fluoro-Elastomer	87
710387	1.688" / 42.880mm	2.561" / 65.040mm	2.565" / 65.140mm	0.374" / 9.500mm	Nitrile	47	710430	2.394" / 60.800mm	2.697" / 68.500mm	2.705" / 68.700mm	0.433" / 11.000mm	Nitrile	#
710388	1.875" / 47.630mm	2.717" / 69.000mm	2.725" / 69.220mm	0.394" / 10.010mm	Nitrile	32	710431	1.684" / 42.780mm	2.499" / 63.480mm	2.504" / 63.600mm	0.433" / 11.000mm	Nitrile	79
710389	1.750" / 44.450mm	2.500" / 63.500mm	2.504" / 63.600mm	0.484" / 12.290mm	Nitrile	7S	710432	1.575" / 40.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.394" / 10.000mm	Nitrile	32
710390	2.362" / 60.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.394" / 10.000mm	Polyacrylate	32	710434	3.150" / 80.000mm	3.976" / 101.000mm	3.988" / 101.300mm	0.354" / 9.000mm	Polyacrylate	74
710393	2.205" / 56.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Nitrile	32	710436	1.594" / 40.500mm	2.067" / 52.500mm	2.075" / 52.700mm	0.236" / 6.000mm	Polyacrylate	35
710394	1.811" / 46.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.807" / 20.500mm	Nitrile	47	710437	1.969" / 50.000mm	2.953" / 75.000mm	2.957" / 75.100mm	0.354" / 9.000mm	Nitrile	47
710395	2.750" / 69.850mm	3.780" / 96.000mm	3.784" / 96.110mm	0.762" / 19.350mm	Nitrile	06	710439	2.283" / 58.000mm	2.874" / 73.000mm	2.878" / 73.100mm	0.335" / 8.500mm	Nitrile	74
710396	1.378" / 35.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.354" / 9.000mm	Nitrile	40	710441	1.484" / 37.700mm	2.375" / 60.330mm	2.388" / 60.650mm	0.433" / 11.000mm	Polyacrylate	79
710397	1.831" / 46.500mm	3.543" / 90.000mm	3.551" / 90.200mm	0.433" / 11.000mm	Polyacrylate	#	710442	1.654" / 42.000mm	2.323" / 59.000mm	2.327" / 59.100mm	0.295" / 7.500mm	Polyacrylate	48
710398	1.969" / 50.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Nitrile	40	710444	1.575" / 40.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.236" / 6.000mm	Nitrile	32
710399	1.024" / 26.000mm	1.654" / 42.000mm	1.662" / 42.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710445	0.748" / 19.000mm	1.378" / 35.000mm	1.386" / 35.200mm	0.315" / 8.000mm	Nitrile	35
710401	1.181" / 30.000mm	1.457" / 37.000mm	1.461" / 37.300mm	0.138" / 3.500mm	Nitrile	35	710446	2.677" / 68.000mm	3.465" / 88.000mm	3.472" / 88.200mm	0.315" / 8.000mm	Nitrile	35
710402	1.614" / 41.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.512" / 13.000mm	Nitrile	32	710447	2.000" / 50.800mm	2.745" / 69.723mm	2.750" / 69.850mm	0.369" / 9.373mm	Polyacrylate	47
710403	1.625" / 41.270mm	2.440" / 61.980mm	2.444" / 62.080mm	0.472" / 12.000mm	Nitrile	#	710449	3.543" / 90.000mm	5.512" / 140.000mm	5.520" / 140.200mm	0.394" / 10.000mm	PTFE	40
710404	1.535" / 39.000mm	2.126" / 54.000mm	2.130" / 54.100mm	0.236" / 6.000mm	Nitrile	49	710450	0.787" / 20.000mm	1.260" / 32.000mm	1.268" / 32.210mm	0.197" / 5.000mm	Polyacrylate	32
710405	4.882" / 124.000mm	5.748" / 146.000mm	5.752" / 146.100mm	0.551" / 14.000mm	Nitrile	47	710451	1.535" / 39.000mm	2.094" / 53.200mm	2.098" / 53.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710406	5.512" / 140.000mm	6.693" / 170.000mm	6.697" / 170.100mm	0.551" / 14.000mm	Nitrile	47	710452	1.875" / 47.630mm	3.160" / 80.260mm	3.165" / 80.390mm	0.530" / 13.460mm	Fluoro-Elastomer	72
710407	2.008" / 51.000mm	2.441" / 62.000mm	2.445" / 62.100mm	0.276" / 7.000mm	Nitrile	33	710453	1.890" / 48.010mm	2.810" / 71.370mm	2.815" / 71.500mm	0.433" / 11.000mm	Polyacrylate	40
710409	1.813" / 46.050mm	2.408" / 61.160mm	2.413" / 61.290mm	0.300" / 7.620mm	Nitrile	91	710454	3.500" / 88.900mm	4.682" / 118.923mm	4.688" / 119.075mm	0.451" / 11.455mm	Fluoro-Elastomer	86
710412	0.709" / 18.000mm	1.339" / 34.000mm	1.346" / 34.200mm	0.315" / 8.000mm	Nitrile	32	710455	1.260" / 32.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.339" / 8.600mm	Nitrile	298
710413	2.185" / 55.500mm	3.142" / 79.800mm	3.148" / 79.950mm	0.413" / 10.500mm	Polyacrylate	40	710456	2.756" / 70.000mm	3.543" / 90.000mm	3.709" / 94.200mm	0.409" / 10.500mm	Nitrile	48
710414	1.500" / 38.100mm	2.500" / 63.500mm	2.512" / 63.800mm	0.354" / 9.000mm	PTFE	35	710457	3.000" / 76.200mm	4.003" / 101.680mm	4.008" / 101.800mm	0.312" / 7.920mm	Fluoro-Elastomer	86

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710458	5.000" / 127.000mm	5.748" / 146.000mm	5.760" / 146.300mm	0.394" / 10.000mm	Polyacrylate	47	710495	1.811" / 46.000mm	2.874" / 73.000mm	2.884" / 73.250mm	0.572" / 14.530mm	Fluoro-Elastomer	85
710459	1.929" / 49.000mm	2.560" / 65.000mm	2.565" / 65.150mm	1.437" / 36.500mm	Nitrile	91	710496	1.886" / 47.900mm	2.697" / 68.500mm	2.701" / 68.600mm	0.469" / 11.900mm	Fluoro-Elastomer	72
710460	1.142" / 29.000mm	1.693" / 43.000mm	1.722" / 43.740mm	0.315" / 8.000mm	Silicone	32	710497	1.614" / 41.000mm	2.402" / 61.000mm	2.407" / 61.140mm	0.630" / 16.000mm	Polyacrylate	32
710461	1.552" / 39.420mm	3.160" / 80.260mm	3.165" / 80.390mm	0.630" / 16.000mm	Fluoro-Elastomer	72	710498	1.705" / 43.317mm	2.572" / 65.328mm	2.576" / 65.430mm	0.480" / 12.190mm	Fluoro-Elastomer	74
710462	2.953" / 75.000mm	3.740" / 95.000mm	3.748" / 95.200mm	0.413" / 10.500mm	Fluoro-Elastomer	32	710501	1.850" / 47.000mm	2.440" / 61.980mm	2.445" / 62.100mm	0.405" / 10.290mm	Nitrile	48
710463	2.205" / 56.000mm	2.846" / 72.300mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	32	710502	1.688" / 42.880mm	2.547" / 64.700mm	2.551" / 64.800mm	0.595" / 15.110mm	Nitrile	74
710464	2.205" / 56.000mm	2.846" / 72.300mm	2.854" / 72.500mm	0.315" / 8.000mm	Nitrile	40	710504	1.142" / 29.010mm	1.466" / 37.244mm	1.474" / 37.444mm	0.197" / 5.000mm	Nitrile	35
710465	2.992" / 76.000mm	3.701" / 94.000mm	3.713" / 94.310mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710505	1.575" / 40.000mm	2.283" / 58.000mm	2.293" / 58.240mm	0.236" / 6.000mm	Nitrile	32
710466	3.937" / 100.000mm	5.126" / 130.200mm	5.133" / 130.380mm	0.562" / 14.274mm	Fluoro-Elastomer	47	710506	2.087" / 53.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.496" / 12.600mm	Nitrile	86
710467	2.165" / 55.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	47	710507	2.088" / 53.040mm	2.911" / 73.940mm	2.915" / 74.040mm	0.500" / 12.700mm	Nitrile	74
710468	2.362" / 60.000mm	2.874" / 73.000mm	2.881" / 73.200mm	0.433" / 11.000mm	Polyacrylate	32	710508	2.324" / 59.030mm	3.541" / 89.940mm	3.546" / 90.070mm	0.591" / 15.010mm	Fluoro-Elastomer	86
710469	1.260" / 32.000mm	2.047" / 52.000mm	2.052" / 52.120mm	0.252" / 6.400mm	Polyacrylate	32	710511	1.063" / 27.000mm	1.693" / 43.000mm	1.701" / 43.200mm	0.276" / 7.000mm	Polyacrylate	32
710471	3.937" / 100.000mm	4.724" / 120.000mm	4.737" / 120.320mm	0.374" / 9.500mm	Polyacrylate	32	710512	1.575" / 40.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.335" / 8.500mm	Polyacrylate	40
710472	1.811" / 46.000mm	2.835" / 72.000mm	2.840" / 72.140mm	0.335" / 8.500mm	Polyacrylate	32	710516	1.181" / 30.000mm	2.409" / 61.200mm	2.417" / 61.400mm	0.354" / 9.000mm	Nitrile	40
710473	5.039" / 128.000mm	5.920" / 150.370mm	5.925" / 150.500mm	0.850" / 21.600mm	PTFE	32	710517	1.654" / 42.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.472" / 12.000mm	Nitrile	32
710474	1.732" / 44.000mm	2.653" / 67.390mm	2.657" / 67.500mm	0.375" / 9.530mm	Polyacrylate	85	710518	3.937" / 100.000mm	4.488" / 114.000mm	4.500" / 114.300mm	0.472" / 12.000mm	Polyacrylate	47
710476	1.720" / 43.690mm	2.921" / 74.190mm	2.922" / 74.220mm	0.468" / 11.890mm	Polyacrylate	72	710519	2.638" / 67.000mm	3.945" / 100.200mm	3.965" / 100.700mm	0.543" / 13.800mm	Nitrile	40
710477	3.189" / 81.000mm	3.801" / 96.550mm	3.809" / 96.750mm	0.630" / 16.000mm	Nitrile	281	710520	3.858" / 98.000mm	4.567" / 116.000mm	4.578" / 116.280mm	0.394" / 10.000mm	Fluoro-Elastomer	32
710478	2.126" / 54.000mm	2.559" / 65.000mm	2.570" / 65.280mm	0.276" / 7.000mm	Polyacrylate	48	710521	1.772" / 45.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.295" / 7.500mm	Fluoro-Elastomer	32
710479	1.417" / 36.000mm	2.165" / 55.000mm	2.178" / 55.320mm	0.433" / 11.000mm	Nitrile	65	710522	2.087" / 53.000mm	2.795" / 71.000mm	2.799" / 71.100mm	0.354" / 9.000mm	Nitrile	35
710480	1.732" / 44.000mm	2.614" / 66.400mm	2.621" / 66.570mm	0.445" / 11.300mm	Fluoro-Elastomer	85	710523	1.575" / 40.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.433" / 11.000mm	Nitrile	40
710481	1.893" / 48.080mm	2.811" / 71.400mm	2.816" / 71.530mm	0.458" / 11.630mm	Fluoro-Elastomer	85	710524	1.496" / 38.000mm	2.165" / 55.000mm	2.176" / 55.280mm	0.315" / 8.000mm	Fluoro-Elastomer	48
710482	1.552" / 39.420mm	2.795" / 71.000mm	2.795" / 71.000mm	0.546" / 13.870mm	Fluoro-Elastomer	86	710525	1.732" / 44.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Nitrile	40
710483	2.480" / 63.000mm	3.563" / 90.500mm	3.574" / 90.780mm	0.510" / 12.960mm	Fluoro-Elastomer	87	710526	3.898" / 99.000mm	4.685" / 119.000mm	4.689" / 119.100mm	0.374" / 9.500mm	Fluoro-Elastomer	32
710484	1.772" / 45.000mm	2.283" / 58.000mm	2.295" / 58.290mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710527	2.047" / 52.000mm	2.717" / 69.000mm	2.724" / 69.200mm	0.591" / 15.000mm	Nitrile	32
710485	1.996" / 50.700mm	2.745" / 69.720mm	2.753" / 69.920mm	0.315" / 8.000mm	Polyacrylate	75	710528	2.402" / 61.010mm	3.071" / 78.000mm	3.079" / 78.200mm	0.531" / 13.490mm	Nitrile	35
710486	1.535" / 39.000mm	2.835" / 72.000mm	2.844" / 72.240mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710529	1.969" / 50.000mm	2.571" / 65.300mm	2.583" / 65.600mm	0.315" / 8.000mm	Nitrile	32
710487	1.732" / 44.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710530	1.575" / 40.000mm	2.618" / 66.500mm	2.626" / 66.700mm	0.748" / 19.000mm	Polyacrylate	#
710488	5.118" / 130.000mm	5.906" / 150.000mm	5.909" / 150.100mm	0.551" / 14.000mm	Nitrile	47	710531	1.480" / 37.600mm	1.929" / 49.000mm	1.941" / 49.300mm	0.295" / 7.500mm	Fluoro-Elastomer	32
710489	1.375" / 34.925mm	2.217" / 56.300mm	2.235" / 56.770mm	0.364" / 9.240mm	Fluoro-Elastomer	74	710532	1.521" / 38.630mm	2.656" / 67.460mm	2.660" / 67.560mm	0.425" / 10.800mm	Polyacrylate	75
710491	1.560" / 39.600mm	2.717" / 69.000mm	2.724" / 69.200mm	0.610" / 15.500mm	Polyacrylate	#	710533	2.063" / 52.400mm	3.000" / 76.200mm	3.007" / 76.380mm	0.394" / 10.010mm	Fluoro-Elastomer	75
710492	1.560" / 39.600mm	2.622" / 66.600mm	2.630" / 66.800mm	0.551" / 14.000mm	Polyacrylate	#	710535	1.614" / 41.000mm	2.435" / 61.850mm	2.440" / 61.980mm	0.299" / 7.590mm	Polyacrylate	32
710493	2.874" / 72.990mm	4.448" / 113.000mm	4.470" / 113.550mm	0.827" / 21.000mm	Polyacrylate	#	710536	1.943" / 49.350mm	2.913" / 74.000mm	2.921" / 74.200mm	0.453" / 11.500mm	Fluoro-Elastomer	86
710494	2.874" / 72.990mm	4.448" / 113.000mm	4.470" / 113.550mm	1.163" / 29.550mm	Polyacrylate	#	710537	2.087" / 53.000mm	3.176" / 80.670mm	3.181" / 80.800mm	0.433" / 11.000mm	Polyacrylate	72

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710538	1.693" / 43.000mm	2.953" / 75.000mm	2.967" / 75.350mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710574	2.126" / 54.000mm	2.520" / 64.000mm	2.530" / 64.250mm	0.354" / 9.000mm	Nitrile	40
710539	1.575" / 40.000mm	2.362" / 60.000mm	2.367" / 60.120mm	0.217" / 5.500mm	Fluoro-Elastomer	32	710575	2.283" / 58.000mm	2.756" / 70.000mm	2.760" / 70.100mm	0.276" / 7.000mm	Polyacrylate	48
710540	1.575" / 40.000mm	2.206" / 56.000mm	2.209" / 56.120mm	0.394" / 10.000mm	Polyacrylate	57	710576	2.441" / 62.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Polyacrylate	47
710541	1.614" / 41.000mm	2.356" / 59.850mm	2.360" / 59.940mm	0.425" / 10.800mm	Polyacrylate	86	710577	2.500" / 63.500mm	4.035" / 102.500mm	4.043" / 102.700mm	0.453" / 11.500mm	Fluoro-Elastomer	87
710542	1.700" / 43.180mm	2.660" / 76.564mm	2.666" / 67.710mm	0.430" / 10.920mm	Fluoro-Elastomer	85	710578	2.205" / 56.000mm	2.876" / 73.050mm	2.874" / 73.000mm	0.413" / 10.500mm	Polyacrylate	48
710543	0.472" / 12.000mm	0.748" / 19.000mm	0.757" / 19.230mm	0.295" / 7.500mm	Fluoro-Elastomer	97	710580	1.890" / 48.000mm	2.624" / 66.650mm	2.628" / 66.750mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710544	0.472" / 12.000mm	0.748" / 19.000mm	0.757" / 19.230mm	0.295" / 7.500mm	Nitrile	97	710582	1.535" / 39.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.339" / 8.600mm	Fluoro-Elastomer	32
710545	0.433" / 11.000mm	0.748" / 19.000mm	0.754" / 19.150mm	0.197" / 5.000mm	Polyacrylate	31	710583	1.378" / 35.000mm	2.795" / 71.000mm	2.808" / 71.330mm	0.413" / 10.500mm	Polyacrylate	40
710546	1.378" / 35.000mm	2.795" / 71.000mm	2.807" / 71.300mm	0.512" / 13.000mm	Polyacrylate	74	710584	2.425" / 61.600mm	3.425" / 87.000mm	3.435" / 87.250mm	0.276" / 7.000mm	Nitrile	74
710547	1.521" / 38.630mm	2.661" / 67.590mm	2.669" / 67.790mm	0.445" / 11.300mm	Nitrile	75	710585	3.504" / 89.000mm	4.252" / 108.000mm	4.260" / 108.200mm	0.500" / 12.700mm	PTFE	32
710548	1.575" / 40.000mm	2.717" / 69.000mm	2.724" / 69.200mm	0.606" / 15.400mm	Nitrile	32	710586	2.870" / 72.900mm	3.876" / 98.450mm	3.881" / 98.580mm	0.354" / 9.000mm	Fluoro-Elastomer	56
710549	1.682" / 42.970mm	2.660" / 67.570mm	2.668" / 67.770mm	0.383" / 9.730mm	Fluoro-Elastomer	74	710587	3.465" / 88.000mm	4.134" / 105.000mm	4.250" / 107.950mm	0.394" / 10.000mm	Nitrile	32
710550	1.654" / 42.000mm	2.087" / 53.000mm	2.091" / 53.120mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710588	2.0870" / 53.000mm	2.874" / 73.000mm	2.882" / 73.200mm	0.394" / 10.000mm	Polyacrylate	32
710551	1.929" / 49.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.413" / 10.500mm	PTFE	#	710589	2.087" / 53.000mm	2.795" / 71.000mm	2.801" / 71.136mm	0.453" / 11.500mm	Nitrile	47
710552	4.331" / 110.000mm	5.118" / 130.000mm	5.124" / 130.150mm	0.512" / 13.000mm	PTFE	34	710590	1.693" / 43.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.339" / 8.600mm	Fluoro-Elastomer	32
710553	1.004" / 25.500mm	1.476" / 37.500mm	1.484" / 37.700mm	0.217" / 5.500mm	Fluoro-Elastomer	32	710591	1.575" / 40.000mm	2.953" / 75.000mm	2.959" / 75.150mm	0.472" / 12.000mm	Fluoro-Elastomer	87
710554	2.815" / 71.000mm	2.795" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Polyacrylate	32	710592	1.417" / 36.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.472" / 12.000mm	Fluoro-Elastomer	87
710555	2.047" / 52.000mm	2.622" / 66.600mm	2.630" / 66.800mm	0.354" / 9.000mm	PTFE	34	710593	1.803" / 45.800mm	3.067" / 77.900mm	3.071" / 78.000mm	0.551" / 14.000mm	Fluoro-Elastomer	74
710556	5.118" / 130.000mm	5.906" / 150.000mm	5.917" / 150.300mm	0.394" / 10.000mm	Polyacrylate	47	710594	1.496" / 38.000mm	2.559" / 65.000mm	2.567" / 65.210mm	0.394" / 10.000mm	Polyacrylate	40
710557	1.875" / 47.630mm	2.622" / 66.590mm	2.633" / 66.890mm	0.415" / 10.540mm	Nitrile	74	710595	1.850" / 47.000mm	3.154" / 80.100mm	3.161" / 80.300mm	0.394" / 10.000mm	Fluoro-Elastomer	40
710558	2.125" / 53.975mm	2.914" / 74.016mm	2.920" / 74.166mm	0.469" / 11.913mm	PTFE	74	710596	1.850" / 47.000mm	2.717" / 69.000mm	2.726" / 69.240mm	0.394" / 10.000mm	Nitrile	40
710561	2.059" / 52.300mm	2.846" / 72.300mm	2.852" / 72.450mm	0.398" / 10.100mm	Fluoro-Elastomer	74	710597	0.750" / 19.050mm	1.000" / 25.400mm	1.008" / 25.600mm	0.225" / 5.720mm	Polyacrylate	#
710562	6.775" / 172.090mm	7.875" / 200.030mm	7.880" / 200.150mm	0.360" / 9.140mm	Nitrile	230	710598	1.575" / 40.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40
710563	2.854" / 72.500mm	4.252" / 108.000mm	4.262" / 108.250mm	0.740" / 18.800mm	Polyacrylate	47	7105S	1.875" / 47.630mm	3.375" / 85.730mm	4.812" / 122.220mm	0.312" / 7.920mm	Nitrile	51
710564	2.854" / 72.500mm	3.878" / 98.500mm	3.888" / 98.750mm	0.433" / 11.000mm	Fluoro-Elastomer	74	710600	3.740" / 88.000mm	4.213" / 107.000mm	4.244" / 107.300mm	0.532" / 13.500mm	PTFE	32
710565	1.927" / 48.950mm	2.910" / 73.910mm	2.920" / 74.170mm	0.210" / 30.730mm	Polyacrylate	49	710601	2.992" / 76.000mm	4.370" / 111.000mm	4.378" / 111.200mm	0.512" / 13.000mm	PTFE	47
710566	1.470" / 37.340mm	2.913" / 74.000mm	2.920" / 74.170mm	0.383" / 9.728mm	Nitrile	79	710602	3.228" / 82.000mm	3.790" / 96.270mm	3.798" / 96.470mm	0.354" / 9.000mm	PTFE	32
710567	1.890" / 48.000mm	2.875" / 73.030mm	2.883" / 73.230mm	0.417" / 10.600mm	Polyacrylate	41	710603	4.094" / 104.000mm	5.039" / 128.000mm	5.047" / 128.200mm	0.433" / 11.000mm	PTFE	32
710568	2.847" / 72.300mm	3.937" / 100.000mm	3.942" / 100.120mm	0.614" / 15.600mm	Polyacrylate	#	710604	2.058" / 52.280mm	2.622" / 66.610mm	2.628" / 66.740mm	0.311" / 7.900mm	Fluoro-Elastomer	32
710569	3.425" / 87.000mm	4.213" / 107.000mm	4.220" / 107.200mm	0.433" / 11.000mm	Nitrile	62	710605	1.512" / 38.400mm	2.322" / 58.980mm	2.337" / 59.280mm	0.339" / 8.500mm	PTFE	32
710570	2.717" / 69.000mm	3.386" / 86.000mm	3.394" / 86.200mm	0.276" / 7.000mm	Polyacrylate	62	710606	1.763" / 44.770mm	2.411" / 61.230mm	2.415" / 61.340mm	0.354" / 9.000mm	PTFE	32
710571	3.543" / 90.000mm	4.252" / 108.000mm	4.260" / 108.200mm	0.394" / 10.000mm	Polyacrylate	280	710607	2.333" / 59.270mm	3.000" / 76.200mm	3.008" / 76.400mm	0.327" / 8.300mm	PTFE	35
710572	2.402" / 61.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.276" / 7.000mm	Polyacrylate	47	710608	1.693" / 43.000mm	2.283" / 58.000mm	2.292" / 58.220mm	0.276" / 7.000mm	Polyacrylate	35
710573	2.856" / 72.540mm	3.525" / 89.540mm	3.537" / 89.840mm	0.252" / 6.400mm	Nitrile	62	710610	2.559" / 65.000mm	3.465" / 88.000mm	3.472" / 88.200mm	0.394" / 10.000mm	PTFE	32

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710611	1.437" / 36.500mm	1.988" / 50.500mm	1.992" / 50.600mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710647	1.750" / 44.450mm	2.875" / 73.030mm	2.888" / 73.360mm	0.472" / 12.000mm	Polyacrylate	#
710613	1.496" / 38.000mm	1.969" / 50.000mm	1.977" / 50.220mm	0.315" / 8.000mm	Polyacrylate	32	710648	1.240" / 31.500mm	2.402" / 61.000mm	2.411" / 61.240mm	0.524" / 13.300mm	Polyacrylate	#
710614	3.150" / 80.000mm	3.858" / 98.000mm	3.866" / 98.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710649	1.969" / 50.000mm	2.765" / 70.000mm	2.756" / 70.230mm	0.354" / 9.000mm	Polyacrylate	48
710615	1.693" / 43.000mm	2.362" / 60.000mm	2.374" / 60.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710651	1.969" / 50.000mm	2.559" / 65.000mm	2.569" / 65.250mm	0.394" / 10.000mm	Polyacrylate	32
710616	1.378" / 35.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.374" / 9.500mm	Polyacrylate	40	710652	2.126" / 54.000mm	2.875" / 73.020mm	2.879" / 73.120mm	0.437" / 11.100mm	Fluoro-Elastomer	#
710617	3.346" / 85.000mm	5.157" / 131.000mm	5.173" / 131.400mm	0.630" / 16.000mm	PTFE	32	710653	2.122" / 53.900mm	3.030" / 76.960mm	3.040" / 77.220mm	0.430" / 10.920mm	Fluoro-Elastomer	87
710618	1.378" / 35.000mm	1.890" / 48.000mm	1.895" / 48.130mm	0.394" / 10.000mm	PTFE	32	710654	1.870" / 47.500mm	2.780" / 70.600mm	2.794" / 70.960mm	0.315" / 8.000mm	Fluoro-Elastomer	72
710619	1.496" / 38.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	710655	1.189" / 30.200mm	1.496" / 38.000mm	1.506" / 38.250mm	0.217" / 5.500mm	Polyacrylate	#
710620	1.654" / 42.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32	710656	1.378" / 35.000mm	3.268" / 83.000mm	3.275" / 83.190mm	0.315" / 8.000mm	Polyacrylate	74
710621	3.307" / 84.000mm	4.606" / 117.000mm	4.614" / 117.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710657	1.552" / 39.420mm	2.447" / 62.150mm	2.452" / 62.280mm	0.394" / 10.000mm	Polyacrylate	86
710623	2.294" / 58.270mm	3.228" / 82.000mm	3.236" / 82.200mm	0.352" / 8.950mm	Fluoro-Elastomer	32	710658	1.886" / 47.900mm	2.750" / 69.850mm	2.756" / 70.000mm	0.335" / 8.500mm	Polyacrylate	32
710624	1.358" / 34.500mm	2.283" / 58.000mm	2.287" / 58.100mm	0.394" / 10.000mm	Fluoro-Elastomer	74	710659	1.625" / 41.270mm	2.440" / 61.980mm	2.446" / 62.130mm	0.417" / 10.600mm	Fluoro-Elastomer	66
710625	2.421" / 61.500mm	2.998" / 76.150mm	3.006" / 76.350mm	0.276" / 7.000mm	Polyacrylate	90	710660	1.886" / 47.900mm	2.697" / 68.500mm	2.705" / 68.700mm	0.453" / 11.500mm	Fluoro-Elastomer	79
710626	3.268" / 83.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.315" / 8.000mm	Polyacrylate	#	710661	1.886" / 47.900mm	2.750" / 69.850mm	2.756" / 70.000mm	0.512" / 13.000mm	Polyacrylate	40
710627	1.937" / 49.200mm	2.683" / 68.160mm	2.700" / 68.580mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710662	1.457" / 37.000mm	3.087" / 78.400mm	3.095" / 78.600mm	0.433" / 11.000mm	Fluoro-Elastomer	85
710628	1.500" / 38.100mm	2.247" / 57.070mm	2.253" / 57.230mm	0.239" / 6.070mm	Polyacrylate	75	710663	1.181" / 30.000mm	2.578" / 65.500mm	2.587" / 65.700mm	0.437" / 11.100mm	Fluoro-Elastomer	85
710629	1.378" / 35.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.315" / 8.000mm	Polyacrylate	40	710664	1.886" / 47.900mm	2.750" / 69.850mm	2.756" / 70.000mm	0.472" / 12.000mm	Polyacrylate	#
710630	1.378" / 35.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Polyacrylate	40	710665	1.772" / 45.000mm	2.756" / 70.000mm	2.761" / 70.130mm	0.551" / 14.000mm	Polyacrylate	40
710631	1.929" / 49.000mm	2.520" / 64.000mm	2.531" / 64.262mm	0.315" / 8.000mm	Polyacrylate	32	710666	1.378" / 35.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.472" / 12.000mm	Polyacrylate	40
710632	1.535" / 39.000mm	2.323" / 59.000mm	2.335" / 59.320mm	0.315" / 8.000mm	Polyacrylate	40	710667	2.283" / 58.000mm	3.071" / 78.000mm	3.091" / 78.500mm	0.394" / 10.000mm	Fluoro-Elastomer	40
710633	1.299" / 33.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.366" / 9.300mm	Polyacrylate	40	710668	1.378" / 35.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.398" / 10.000mm	Fluoro-Elastomer	40
710634	2.047" / 52.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Polyacrylate	35	710669	3.858" / 98.000mm	4.331" / 110.000mm	4.343" / 110.300mm	0.335" / 8.500mm	Fluoro-Elastomer	35
710635	2.441" / 62.000mm	3.189" / 81.000mm	3.194" / 81.127mm	0.295" / 7.500mm	Nitrile	#	710670	1.575" / 40.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.433" / 11.000mm	Polyacrylate	40
710636	1.886" / 47.904mm	2.697" / 68.504mm	2.705" / 68.700mm	0.350" / 8.890mm	Fluoro-Elastomer	79	710671	1.102" / 28.000mm	1.398" / 35.500mm	1.406" / 35.700mm	0.205" / 5.200mm	Fluoro-Elastomer	36
710637	2.362" / 60.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	35	710672	2.556" / 64.920mm	3.143" / 79.820mm	3.146" / 79.920mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710638	2.126" / 54.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.315" / 8.000mm	Nitrile	35	710673	1.532" / 38.920mm	3.143" / 79.820mm	3.146" / 79.920mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710639	3.937" / 100.000mm	4.646" / 118.000mm	4.654" / 118.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710674	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.433" / 11.000mm	Fluoro-Elastomer	32
710640	2.000" / 50.800mm	2.623" / 66.620mm	2.631" / 66.820mm	0.264" / 6.700mm	Polyacrylate	62	710676	2.953" / 75.000mm	4.213" / 107.000mm	4.220" / 107.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710641	2.953" / 75.000mm	3.858" / 98.000mm	3.866" / 98.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710677	1.575" / 40.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.354" / 9.000mm	Ethylene-Acrylic	32
710642	1.496" / 38.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32	710678	1.575" / 40.000mm	2.830" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Ethylene-Acrylic	32
710643	0.463" / 11.750mm	0.736" / 18.700mm	0.744" / 18.900mm	0.232" / 5.900mm	Ethylene-Acrylic	#	710679	0.630" / 16.000mm	1.063" / 27.000mm	1.071" / 27.200mm	0.236" / 6.000mm	Polyacrylate	35
710644	1.890" / 48.000mm	2.677" / 68.000mm	2.689" / 68.300mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710680	2.323" / 59.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.472" / 12.000mm	Polyacrylate	40
710645	1.937" / 49.200mm	2.683" / 68.160mm	2.700" / 68.580mm	0.512" / 13.000mm	Polyacrylate	#	710681	1.260" / 32.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.276" / 7.000mm	Polyacrylate	35
710646	1.928" / 48.971mm	2.795" / 70.933mm	2.801" / 71.133mm	0.456" / 11.582mm	Ethylene-Acrylic	#	710682	1.732" / 44.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.461" / 11.700mm	Fluoro-Elastomer	74

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710683	1.376" / 34.950mm	2.750" / 69.850mm	2.754" / 69.950mm	0.394" / 10.000mm	Fluoro-Elastomer	85	710717	1.575" / 40.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.289" / 7.330mm	Fluoro-Elastomer	32
710684	2.283" / 58.000mm	3.201" / 81.300mm	3.209" / 81.500mm	0.492" / 12.500mm	Fluoro-Elastomer	69	710718	2.244" / 57.000mm	2.874" / 73.000mm	2.882" / 73.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710685	3.545" / 90.050mm	5.465" / 138.800mm	5.472" / 139.000mm	0.654" / 16.610mm	Nitrile	#	710719	1.654" / 42.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32
710686	1.555" / 39.500mm	2.717" / 69.000mm	2.724" / 69.200mm	0.531" / 13.500mm	Nitrile	40	710721	1.496" / 38.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.354" / 9.000mm	Polyacrylate	40
710687	1.575" / 40.000mm	2.953" / 75.000mm	2.957" / 75.100mm	0.591" / 15.000mm	Polyacrylate	#	710722	2.047" / 52.000mm	2.835" / 72.000mm	2.839" / 72.200mm	0.315" / 8.000mm	Polyacrylate	40
710688	1.476" / 31.750mm	2.953" / 75.000mm	2.961" / 75.200mm	0.571" / 14.500mm	Nitrile	#	710723	1.654" / 42.000mm	2.717" / 69.000mm	2.724" / 69.200mm	0.472" / 12.000mm	Polyacrylate	40
710689	1.575" / 40.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.433" / 11.000mm	Polyacrylate	32	710724	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40
710690	0.621" / 15.770mm	1.024" / 26.000mm	1.031" / 26.200mm	0.252" / 6.400mm	Polyacrylate	32	710725	2.157" / 54.800mm	3.059" / 77.700mm	3.067" / 77.900mm	0.335" / 8.500mm	Fluoro-Elastomer	32
710691	1.504" / 38.200mm	2.375" / 60.330mm	2.381" / 60.470mm	0.362" / 9.200mm	Fluoro-Elastomer	40	710726	1.886" / 47.900mm	2.750" / 69.850mm	2.754" / 69.950mm	0.512" / 13.000mm	PTFE	40
710692	1.376" / 34.950mm	2.244" / 57.000mm	2.252" / 57.200mm	0.402" / 10.200mm	Fluoro-Elastomer	87	710727	1.575" / 40.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.394" / 10.000mm	Polyacrylate	40
710693	1.937" / 49.200mm	2.683" / 68.160mm	2.700" / 68.580mm	0.500" / 12.700mm	Fluoro-Elastomer	#	710728	1.060" / 26.930mm	1.750" / 44.460mm	1.758" / 44.660mm	0.252" / 6.400mm	Polyacrylate	32
710694	2.126" / 54.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.492" / 12.500mm	Fluoro-Elastomer	87	710729	0.984" / 25.000mm	1.614" / 41.000mm	1.622" / 41.200mm	0.315" / 8.000mm	Polyacrylate	32
710695	1.885" / 47.890mm	2.697" / 68.500mm	2.705" / 68.700mm	0.461" / 11.700mm	Fluoro-Elastomer	79	710730	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.374" / 9.500mm	Fluoro-Elastomer	32
710696	1.890" / 48.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.2756" / 7.000mm	Ethylene-Acrylic	32	710731	1.575" / 40.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.354" / 9.000mm	Polyacrylate	40
710697	1.614" / 41.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	40	710732	1.969" / 50.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.354" / 9.000mm	PTFE	40
710698	4.241" / 107.734mm	5.105" / 129.660mm	5.113" / 129.860mm	0.390" / 9.900mm	PTFE	32	710733	1.575" / 40.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Polyacrylate	40
710699	1.850" / 47.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.236" / 6.000mm	Ethylene-Acrylic	32	710734	2.047" / 52.000mm	3.425" / 87.000mm	3.433" / 87.200mm	0.406" / 10.300mm	Polyacrylate	40
710700	1.654" / 42.000mm	3.110" / 79.000mm	3.118" / 79.200mm	0.394" / 10.000mm	Fluoro-Elastomer	#	710735	1.772" / 45.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Polyacrylate	40
710701	1.650" / 41.910mm	2.633" / 66.880mm	2.638" / 67.010mm	0.963" / 24.460mm	Polyacrylate	298	710736	1.594" / 40.500mm	3.150" / 80.000mm	3.157" / 80.200mm	0.394" / 10.000mm	Polyacrylate	75
710702	1.378" / 35.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.354" / 9.000mm	Polyacrylate	40	710737	1.496" / 38.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32
710703	1.969" / 50.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710738	1.535" / 39.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.413" / 10.500mm	Fluoro-Elastomer	40
710704	1.339" / 34.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.335" / 8.500mm	Fluoro-Elastomer	40	710739	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40
710705	2.241" / 57.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.335" / 8.500mm	Polyacrylate	32	710740	2.283" / 58.000mm	2.921" / 74.200mm	2.929" / 74.400mm	0.315" / 8.000mm	Polyacrylate	32
710706	1.654" / 42.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.502" / 12.750mm	Polyacrylate	74	710741	1.844" / 46.838mm	3.063" / 77.800mm	3.068" / 77.927mm	0.535" / 13.589mm	Fluoro-Elastomer	74
710707	3.071" / 78.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32	710742	2.717" / 69.000mm	3.543" / 90.000mm	3.511" / 90.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710708	2.520" / 64.000mm	3.110" / 79.000mm	3.118" / 79.200mm	0.315" / 8.000mm	Polyacrylate	32	710743	1.953" / 49.600mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710709	1.417" / 36.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.394" / 10.000mm	Ethylene-Acrylic	87	710744	2.047" / 52.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40
710710	1.602" / 40.700mm	2.835" / 72.000mm	2.843" / 72.200mm	0.472" / 12.000mm	Nitrile	#	710745	2.047" / 52.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40
710711	1.496" / 38.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.248" / 6.300mm	Fluoro-Elastomer	32	710746	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Fluoro-Elastomer	40
710712	1.561" / 39.649mm	2.565" / 65.151mm	2.570" / 65.278mm	0.314" / 7.976mm	Fluoro-Elastomer	74	710747	1.614" / 41.000mm	2.402" / 61.000mm	2.407" / 61.140mm	0.354" / 9.000mm	Fluoro-Elastomer	40
710713	1.496" / 38.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710748	1.772" / 45.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Polyacrylate	40
710714	0.591" / 15.000mm	0.827" / 21.000mm	0.835" / 21.200mm	0.197" / 5.000mm	Nitrile	47	710749	1.949" / 49.500mm	2.780" / 70.610mm	2.785" / 70.736mm	0.382" / 9.700mm	Fluoro-Elastomer	74
710715	1.496" / 38.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.354" / 9.000mm	Polyacrylate	40	710750	2.378" / 60.400mm	3.150" / 80.000mm	3.157" / 80.200mm	0.402" / 10.200mm	Fluoro-Elastomer	87
710716	1.496" / 38.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	40	710751	2.047" / 52.000mm	3.555" / 90.300mm	3.563" / 90.500mm	0.394" / 10.000mm	Fluoro-Elastomer	74

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710752	1.378" / 35.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.374" / 9.500mm	Polyacrylate	40	710786	1.772" / 45.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	PTFE	40
710753	0.689" / 17.500mm	0.945" / 24.000mm	0.953" / 24.200mm	0.217" / 5.500mm	Ethylene-Acrylic	32	710787	2.165" / 55.000mm	6.732" / 171.000mm	6.740" / 171.200mm	0.295" / 7.500mm	PTFE	40
710754	1.811" / 46.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.394" / 10.000mm	Nitrile	86	710788	2.008" / 51.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710755	2.433" / 61.800mm	3.061" / 77.750mm	3.066" / 77.880mm	0.453" / 11.500mm	Nitrile	32	710789	3.858" / 98.000mm	4.646" / 118.000mm	4.654" / 118.200mm	0.394" / 10.000mm	Polyacrylate	32
710756	2.307" / 58.600mm	3.161" / 80.300mm	3.165" / 80.400mm	0.394" / 10.000mm	Polyacrylate	40	710790	1.772" / 45.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710757	1.220" / 31.000mm	1.783" / 45.300mm	1.787" / 45.400mm	0.276" / 7.000mm	Nitrile	35	710794	2.362" / 60.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32
710758	1.890" / 48.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.472" / 12.000mm	Polyacrylate	49	710795	1.890" / 48.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.295" / 7.500mm	Polyacrylate	32
710759	3.346" / 85.000mm	5.157" / 131.000mm	5.173" / 131.400mm	0.618" / 15.700mm	Fluoro-Elastomer	32	710796	1.890" / 48.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.295" / 7.500mm	Polyacrylate	32
710760	1.502" / 38.150mm	2.136" / 54.250mm	2.144" / 54.450mm	0.488" / 12.400mm	Polyacrylate	#	710797	1.575" / 40.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.441" / 11.200mm	Polyacrylate	74
710761	3.346" / 85.000mm	4.134" / 105.000mm	4.145" / 105.280mm	0.346" / 8.800mm	PTFE	32	710798	1.575" / 40.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.295" / 7.500mm	Polyacrylate	40
710762	0.394" / 10.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.197" / 5.000mm	Ethylene-Acrylic	32	710799	1.240" / 31.500mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710763	2.756" / 70.000mm	4.409" / 112.000mm	4.413" / 112.100mm	0.394" / 10.000mm	Nitrile	40	710801	2.441" / 62.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32
710764	1.890" / 48.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.366" / 9.300mm	PTFE	32	710802	1.684" / 42.780mm	2.498" / 63.460mm	2.499" / 63.475mm	0.433" / 11.000mm	Fluoro-Elastomer	32
710765	3.346" / 85.000mm	4.134" / 105.000mm	4.145" / 105.280mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710803	3.622" / 92.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710766	6.063" / 154.000mm	6.890" / 175.000mm	6.902" / 175.300mm	0.531" / 13.500mm	Fluoro-Elastomer	74	710805	0.748" / 19.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.276" / 7.000mm	Polyacrylate	32
710767	3.346" / 85.000mm	4.055" / 103.000mm	4.064" / 103.230mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710806	1.378" / 35.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.354" / 9.000mm	Polyacrylate	40
710768	1.772" / 45.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.354" / 9.000mm	PTFE	40	710807	1.457" / 37.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.472" / 12.000mm	Polyacrylate	32
710769	1.496" / 38.000mm	1.929" / 49.000mm	1.937" / 49.200mm	0.709" / 18.000mm	PTFE	86	710808	1.575" / 40.000mm	2.165" / 55.000mm	2.170" / 55.100mm	0.472" / 12.000mm	Polyacrylate	#
710770	1.575" / 40.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.433" / 11.000mm	Polyacrylate	32	710809	0.787" / 20.000mm	1.024" / 26.000mm	1.031" / 26.200mm	0.177" / 4.500mm	Fluoro-Elastomer	32
710771	2.185" / 55.500mm	3.016" / 76.600mm	3.020" / 76.700mm	0.465" / 11.800mm	PTFE	79	710810	1.299" / 33.000mm	2.087" / 53.000mm	2.094" / 53.200mm	0.285" / 7.250mm	Fluoro-Elastomer	35
710772	1.535" / 39.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40	710811	3.150" / 80.000mm	3.858" / 98.000mm	3.866" / 98.200mm	0.571" / 14.500mm	PTFE	34
710773	1.366" / 34.700mm	1.783" / 45.300mm	1.791" / 45.500mm	0.276" / 7.000mm	Polyacrylate	32	710812	3.661" / 93.000mm	5.256" / 133.500mm	5.264" / 133.700mm	0.610" / 15.500mm	PTFE	32
710774	2.520" / 64.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32	710813	3.661" / 93.000mm	4.488" / 114.000mm	4.501" / 114.330mm	0.453" / 11.500mm	PTFE	32
710775	1.311" / 33.300mm	1.705" / 43.300mm	1.713" / 43.500mm	0.276" / 7.000mm	Fluoro-Elastomer	32	710814	3.622" / 92.000mm	4.500" / 114.300mm	4.508" / 114.500mm	0.846" / 21.500mm	PTFE	32
710776	1.575" / 40.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.394" / 10.000mm	Fluoro-Elastomer	32	710815	3.780" / 96.000mm	4.567" / 116.000mm	4.578" / 116.280mm	0.472" / 12.000mm	PTFE	32
710777	2.047" / 52.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Polyacrylate	32	710816	1.024" / 26.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710778	1.771" / 45.000mm	2.441" / 62.000mm	2.461" / 62.500mm	0.236" / 6.000mm	Polyacrylate	32	710817	1.787" / 45.390mm	3.228" / 82.000mm	3.237" / 82.230mm	0.335" / 8.500mm	Polyacrylate	83
710779	1.929" / 49.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.433" / 11.000mm	Polyacrylate	40	710818	1.378" / 35.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.472" / 12.000mm	Polyacrylate	86
710780	0.394" / 10.000mm	0.709" / 18.000mm	0.713" / 18.100mm	0.197" / 5.000mm	Polyacrylate	32	710819	1.260" / 32.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.335" / 8.500mm	Fluoro-Elastomer	32
710781	0.378" / 9.600mm	0.669" / 17.000mm	0.670" / 17.020mm	0.138" / 3.500mm	Nitrile	32	710820	0.551" / 14.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.748" / 19.000mm	Polyacrylate	32
710782	0.551" / 14.000mm	1.024" / 26.000mm	1.031" / 26.200mm	0.484" / 12.300mm	Nitrile	32	710821	1.102" / 28.000mm	1.457" / 37.000mm	1.465" / 37.200mm	0.768" / 19.500mm	Polyacrylate	32
710783	1.772" / 45.000mm	2.244" / 57.000mm	2.252" / 57.200mm	0.354" / 9.000mm	Polyacrylate	32	710822	1.772" / 45.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.531" / 13.500mm	PTFE	40
710784	1.850" / 47.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.392" / 10.000mm	Polyacrylate	40	710823	1.496" / 38.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.433" / 11.000mm	Fluoro-Elastomer	40
710785	2.559" / 65.000mm	3.110" / 79.000mm	3.118" / 79.200mm	0.787" / 20.000mm	Fluoro-Elastomer	32	710824	1.220" / 31.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710825	2.881" / 73.180mm	4.492" / 114.100mm	4.504" / 114.097mm	1.440" / 36.580mm	Polyacrylate	#	710867	1.750" / 44.450mm	2.756" / 70.000mm	2.764" / 70.200mm	0.252" / 6.400mm	Fluoro-Elastomer	74
710828	2.992" / 76.000mm	3.685" / 93.600mm	3.693" / 93.800mm	0.343" / 8.700mm	Nitrile	#	710868	1.811" / 46.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Polyacrylate	32
710830	1.835" / 46.600mm	2.874" / 73.000mm	2.878" / 73.100mm	0.283" / 7.200mm	Fluoro-Elastomer	74	710869	1.890" / 48.000mm	2.894" / 73.500mm	2.902" / 73.700mm	0.374" / 9.500mm	Fluoro-Elastomer	#
710831	1.928" / 48.971mm	2.795" / 70.933mm	2.801" / 71.133mm	0.456" / 11.582mm	Fluoro-Elastomer	32	710870	1.339" / 34.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	40
710834	1.496" / 38.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.276" / 7.000mm	Fluoro-Elastomer	41	710871	3.504" / 89.000mm	4.134" / 105.000mm	4.146" / 105.300mm	0.335" / 8.500mm	Fluoro-Elastomer	32
710835	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.453" / 11.500mm	Fluoro-Elastomer	47	710872	1.693" / 43.000mm	3.268" / 83.000mm	3.276" / 83.200mm	0.404" / 10.250mm	Fluoro-Elastomer	32
710836	1.693" / 43.000mm	3.032" / 77.000mm	3.039" / 77.200mm	0.433" / 11.000mm	Fluoro-Elastomer	85	710873	1.885" / 47.870mm	2.700" / 68.580mm	2.708" / 68.780mm	0.019" / 0.472mm	Fluoro-Elastomer	74
710837	1.874" / 47.600mm	2.496" / 63.400mm	2.504" / 63.600mm	0.339" / 8.600mm	Fluoro-Elastomer	40	710874	1.453" / 36.900mm	2.843" / 72.200mm	2.851" / 72.410mm	1.268" / 32.200mm	Fluoro-Elastomer	#
710838	1.772" / 45.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Ethylene-Acrylic	40	710875	1.771" / 45.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32
710839	1.575" / 40.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.394" / 10.000mm	Fluoro-Elastomer	40	710876	2.441" / 62.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.295" / 7.500mm	Polyacrylate	32
710840	3.445" / 87.500mm	3.622" / 92.000mm	3.630" / 92.200mm	0.596" / 15.150mm	Fluoro-Elastomer	#	710877	1.875" / 47.625mm	3.160" / 80.264mm	3.168" / 80.460mm	0.563" / 14.300mm	Fluoro-Elastomer	87
710841	3.937" / 100.000mm	4.740" / 120.396mm	4.753" / 120.726mm	0.810" / 20.574mm	PTFE	#	710878	2.539" / 64.500mm	3.504" / 89.000mm	3.512" / 89.200mm	0.374" / 9.500mm	Fluoro-Elastomer	40
710842	1.988" / 50.500mm	2.975" / 75.560mm	2.988" / 75.980mm	0.406" / 10.31mm	PTFE	#	710879	3.346" / 85.000mm	4.685" / 119.000mm	4.697" / 119.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710843	1.772" / 45.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Fluoro-Elastomer	86	710881	3.268" / 83.000mm	3.780" / 96.000mm	3.791" / 96.300mm	0.354" / 9.000mm	Fluoro-Elastomer	32
710844	0.984" / 25.000mm	1.555" / 39.500mm	1.563" / 39.700mm	0.315" / 8.000mm	Ethylene-Acrylic	32	710882	3.346" / 85.000mm	6.890" / 175.000mm	6.902" / 175.300mm	0.374" / 9.500mm	Fluoro-Elastomer	32
710845	1.654" / 42.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.394" / 10.000mm	Polyacrylate	32	710884	3.465" / 88.000mm	4.370" / 111.000mm	4.378" / 111.200mm	0.937" / 23.800mm	Silicone	#
710847	1.772" / 45.000mm	2.953" / 75.000mm	2.957" / 75.100mm	0.532" / 13.500mm	Polyacrylate	72	710885	4.400" / 111.76mm	5.235" / 132.96mm	5.242" / 133.14mm	.375" / 9.525mm	Fluoro-Elastomer	32
710848	3.346" / 85.000mm	3.976" / 101.000mm	3.979" / 101.070mm	0.512" / 13.000mm	PTFE	32	710886	1.850" / 47.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.276" / 7.000mm	Polyacrylate	32
710849	3.346" / 85.000mm	4.134" / 105.000mm	4.142" / 105.200mm	0.315" / 8.000mm	PTFE	32	710887	1.772" / 45.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710850	2.402" / 61.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	PTFE	32	710888	1.969" / 50.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Nitrile	40
710851	2.126" / 54.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.443" / 11.250mm	Nitrile	66	710889	1.575" / 40.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.256" / 6.500mm	Fluoro-Elastomer	74
710852	2.507" / 63.680mm	3.265" / 82.930mm	3.273" / 83.130mm	0.354" / 9.000mm	Fluoro-Elastomer	32	710890	2.146" / 54.508mm	3.228" / 81.991mm	3.239" / 82.271mm	0.600" / 15.240mm	Fluoro-Elastomer	32
710853	1.250" / 32.000mm	1.904" / 48.360mm	1.912" / 48.560mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710891	1.763" / 44.780mm	2.416" / 61.366mm	2.421" / 61.493mm	0.375" / 9.525mm	Fluoro-Elastomer	47
710855	3.898" / 99.000mm	4.528" / 115.000mm	4.539" / 115.300mm	0.394" / 10.000mm	PTFE	32	710892	4.094" / 104.000mm	5.472" / 139.000mm	5.480" / 139.200mm	0.512" / 13.000mm	Fluoro-Elastomer	32
710857	0.996" / 25.300mm	1.508" / 38.300mm	1.516" / 38.500mm	0.315" / 8.000mm	Ethylene-Acrylic	#	710893	1.732" / 44.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.236" / 6.000mm	Fluoro-Elastomer	32
710858	3.819" / 97.000mm	4.606" / 117.000mm	4.618" / 117.300mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710894	3.583" / 91.000mm	4.370" / 111.000mm	4.378" / 111.200mm	0.295" / 7.500mm	Polyacrylate	32
710859	1.516" / 38.500mm	1.988" / 50.500mm	1.996" / 50.700mm	0.295" / 7.500mm	Fluoro-Elastomer	32	710895	1.811" / 46.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.472" / 12.000mm	Fluoro-Elastomer	86
710860	3.465" / 88.000mm	4.094" / 104.000mm	4.110" / 104.400mm	0.335" / 8.500mm	Silicone	32	710896	3.622" / 92.000mm	4.291" / 109.000mm	4.299" / 109.200mm	0.374" / 9.500mm	Fluoro-Elastomer	40
710861	/	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710897	1.339" / 34.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710862	0.630" / 16.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.197" / 5.000mm	Nitrile	32	710898	1.575" / 40.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.276" / 7.000mm	Polyacrylate	32
710863	1.250" / 31.750mm	2.125" / 53.970mm	2.133" / 54.170mm	0.748" / 19.000mm	Fluoro-Elastomer	#	710899	1.969" / 50.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710864	1.378" / 35.000mm	2.582" / 65.580mm	2.590" / 65.780mm	0.512" / 13.000mm	Nitrile	74	710900	3.858" / 98.000mm	4.488" / 114.000mm	4.500" / 114.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710865	1.575" / 40.000mm	2.618" / 66.500mm	2.626" / 66.700mm	0.748" / 19.000mm	Polyacrylate	#	710901	4.646" / 118.008mm	5.748" / 145.999mm	5.762" / 146.355mm	0.750" / 19.050mm	PTFE	32
710866	2.125" / 53.980mm	2.909" / 73.889mm	2.917" / 74.089mm	0.500" / 12.700mm	Fluoro-Elastomer	86	710902	2.300" / 58.420mm	3.322" / 84.379mm	3.330" / 84.579mm	0.425" / 10.795mm	Fluoro-Elastomer	79

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710903	1.358" / 34.500mm	2.451" / 62.250mm	2.459" / 62.450mm	0.354" / 9.000mm	Fluoro-Elastomer	86	710938	1.654" / 42.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Polyacrylate	#
710904	1.567" / 39.800mm	2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710939	2.087" / 53.000mm	2.795" / 71.000mm	2.803" / 71.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32
710905	1.965" / 49.900mm	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Polyacrylate	32	710940	1.654" / 42.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.197" / 5.000mm	Polyacrylate	#
710906	2.441" / 62.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	710941	1.937" / 49.200mm	2.685" / 68.200mm	2.693" / 68.400mm	0.394" / 10.000mm	Fluoro-Elastomer	32
710907	1.850" / 47.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.335" / 8.500mm	Fluoro-Elastomer	47	710942	2.166" / 55.000mm	3.327" / 84.500mm	3.335" / 84.700mm	0.472" / 12.000mm	Fluoro-Elastomer	40
710908	1.929" / 49.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.295" / 7.500mm	Polyacrylate	32	710943	2.323" / 59.000mm	3.327" / 84.500mm	3.335" / 84.700mm	0.472" / 12.000mm	Fluoro-Elastomer	79
710909	2.087" / 53.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Polyacrylate	32	710944	1.969" / 50.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Ethylene-Acrylic	40
710910	2.283" / 58.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.315" / 8.000mm	Polyacrylate	32	710945	2.362" / 60.000mm	3.543" / 90.000mm	3.557" / 90.350mm	0.315" / 8.000mm	Polyacrylate	32
710911	1.654" / 42.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.354" / 9.000mm	Polyacrylate	40	710946	2.047" / 52.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Polyacrylate	40
710912	2.008" / 51.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.295" / 7.500mm	Polyacrylate	32	710947	0.472" / 12.000mm	0.748" / 19.000mm	0.756" / 19.200mm	0.335" / 8.500mm	Ethylene-Acrylic	#
710913	1.457" / 37.000mm	2.205" / 56.000mm	2.213" / 56.200mm	0.315" / 8.000mm	Polyacrylate	40	710948	2.460" / 62.500mm	3.543" / 90.000mm	3.551" / 90.200mm	0.472" / 12.000mm	PTFE	79
710914	1.654" / 42.000mm	2.283" / 58.000mm	2.291" / 58.200mm	0.315" / 8.000mm	Polyacrylate	40	710949	3.110" / 79.000mm	4.126" / 104.800mm	4.134" / 105.000mm	0.630" / 16.000mm	Fluoro-Elastomer	74
710915	1.890" / 48.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.354" / 9.000mm	Polyacrylate	32	710950	1.811" / 46.000mm	2.874" / 73.000mm	2.882" / 73.200mm	0.413" / 10.500mm	Fluoro-Elastomer	#
710916	1.969" / 50.000mm	2.854" / 72.500mm	2.862" / 72.700mm	0.417" / 10.600mm	Polyacrylate	40	710951	1.732" / 44.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710917	1.772" / 45.000mm	2.717" / 69.000mm	2.724" / 69.200mm	0.394" / 10.000mm	Polyacrylate	32	710953	2.047" / 52.000mm	2.953" / 75.000mm	2.963" / 75.250mm	0.315" / 8.000mm	Fluoro-Elastomer	40
710918	1.535" / 39.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.854" / 21.700mm	Polyacrylate	#	710954	1.417" / 36.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.394" / 10.000mm	Polyacrylate	#
710919	1.692" / 43.000mm	3.071" / 78.000mm	3.083" / 78.300mm	0.394" / 10.000mm	Fluoro-Elastomer	85	710955	2.441" / 62.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.335" / 8.500mm	Polyacrylate	32
710920	1.890" / 48.000mm	3.346" / 85.000mm	3.358" / 85.300mm	0.531" / 13.500mm	Fluoro-Elastomer	74	710956	1.969" / 50.000mm	2.795" / 71.000mm	2.803" / 71.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40
710921	1.535" / 39.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.512" / 13.000mm	Polyacrylate	40	710957	1.978" / 50.250mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40
710922	1.535" / 39.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.406" / 10.300mm	Polyacrylate	40	710959	2.913" / 74.000mm	4.562" / 115.870mm	4.570" / 116.070mm	0.403" / 10.240mm	Fluoro-Elastomer	87
710923	2.008" / 51.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.275" / 7.000mm	Ethylene-Acrylic	32	710960	2.362" / 60.000mm	4.496" / 114.200mm	4.504" / 114.400mm	0.433" / 11.000mm	Fluoro-Elastomer	74
710924	2.205" / 56.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.295" / 7.500mm	Polyacrylate	35	710961	1.890" / 48.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Ethylene-Acrylic	32
710925	3.545" / 90.043mm	5.465" / 138.811mm	5.479" / 139.167mm	0.646" / 16.408mm	Polyacrylate	#	710962	2.559" / 65.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Nitrile	32
710926	1.614" / 41.000mm	3.701" / 94.000mm	3.713" / 94.300mm	0.945" / 24.000mm	Fluoro-Elastomer	#	710963	1.782" / 45.250mm	2.756" / 70.000mm	2.764" / 70.200mm	0.433" / 11.000mm	Fluoro-Elastomer	85
710927	2.961" / 75.200mm	3.996" / 101.500mm	4.000" / 101.600mm	0.433" / 11.000mm	Fluoro-Elastomer	#	710964	1.811" / 46.000mm	2.780" / 70.600mm	2.787" / 70.800mm	0.437" / 11.100mm	Fluoro-Elastomer	72
710928	1.938" / 49.230mm	2.680" / 68.070mm	2.685" / 68.200mm	0.500" / 12.700mm	Polyacrylate	32	710965	2.165" / 55.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.358" / 9.100mm	Fluoro-Elastomer	74
710929	1.693" / 43.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.217" / 5.500mm	Ethylene-Acrylic	32	710966	1.575" / 40.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32
710931	1.811" / 46.000mm	3.583" / 91.000mm	3.591" / 91.200mm	0.433" / 11.000mm	Polyacrylate	40	710967	1.575" / 40.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.472" / 12.000mm	Polyacrylate	#
710932	2.008" / 51.000mm	2.598" / 66.000mm	2.606" / 66.200mm	0.295" / 7.500mm	Polyacrylate	32	710969	1.378" / 35.000mm	2.465" / 62.600mm	2.474" / 62.840mm	0.409" / 10.400mm	Nitrile	#
710933	1.693" / 43.000mm	2.854" / 72.500mm	2.862" / 72.700mm	0.433" / 11.000mm	Polyacrylate	32	710970	0.630" / 16.000mm	0.984" / 25.000mm	0.992" / 25.200mm	0.236" / 6.000mm	Nitrile	#
710934	1.771" / 45.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.315" / 8.000mm	Polyacrylate	32	710971	1.811" / 46.000mm	2.778" / 70.550mm	2.780" / 70.600mm	0.455" / 11.560mm	Fluoro-Elastomer	87
710935	1.024" / 26.000mm	1.476" / 37.500mm	1.484" / 37.700mm	0.236" / 6.000mm	Fluoro-Elastomer	32	710973	1.575" / 40.000mm	1.811" / 46.000mm	1.819" / 46.200mm	0.244" / 6.200mm	Fluoro-Elastomer	#
710936	2.992" / 76.000mm	4.252" / 108.000mm	4.264" / 108.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32	710974	0.965" / 24.500mm	1.614" / 41.000mm	1.622" / 41.200mm	0.236" / 6.000mm	Ethylene-Acrylic	32
710937	1.772" / 45.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	710976	1.378" / 35.000mm	2.205" / 56.000mm	2.209" / 56.100mm	0.354" / 9.000mm	Polyacrylate	#

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
710978	1.614" / 41.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.315" / 8.000mm	Polyacrylate	#	711015	1.457" / 37.000mm	2.520" / 64.000mm	2.530" / 64.250mm	0.394" / 10.000mm	Polyacrylate	40
710979	1.614" / 41.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.319" / 8.100mm	Fluoro-Elastomer	74	711016	1.358" / 34.500mm	1.732" / 44.000mm	1.740" / 44.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32
710980	2.480" / 63.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.394" / 10.000mm	Ethylene-Acrylic	32	711018	1.457" / 37.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.394" / 10.000mm	Ethylene-Acrylic	40
710981	1.890" / 48.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.551" / 14.000mm	Polyacrylate	40	711019	1.701" / 43.200mm	2.606" / 66.200mm	2.614" / 66.400mm	0.417" / 10.600mm	Polyacrylate	40
710982	1.496" / 38.000mm	2.008" / 51.000mm	2.016" / 51.200mm	0.472" / 12.000mm	Polyacrylate	#	711020	2.441" / 62.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.331" / 8.400mm	Polyacrylate	#
710983	1.575" / 40.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.512" / 13.000mm	Fluoro-Elastomer	40	711021	1.575" / 40.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.335" / 8.500mm	Polyacrylate	32
710984	1.535" / 39.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.531" / 13.500mm	Polyacrylate	40	711022	1.575" / 40.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.256" / 6.500mm	Fluoro-Elastomer	74
710985	1.457" / 37.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.472" / 12.000mm	Polyacrylate	40	711024	1.654" / 42.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	PTFE	#
710986	1.496" / 38.000mm	2.154" / 54.700mm	2.161" / 54.900mm	0.315" / 8.000mm	Ethylene-Acrylic	40	711025	1.102" / 28.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.276" / 7.000mm	Ethylene-Acrylic	32
710987	1.358" / 34.500mm	1.624" / 41.250mm	1.632" / 41.450mm	0.354" / 9.000mm	Ethylene-Acrylic	#	711026	2.362" / 60.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.315" / 8.000mm	Polyacrylate	32
710988	1.969" / 50.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.315" / 8.000mm	Polyacrylate	40	711027	1.378" / 35.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Nitrile	32
710989	1.496" / 38.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	40	711028	2.441" / 62.000mm	3.150" / 80.000mm	3.161" / 80.280mm	0.394" / 10.000mm	Nitrile	32
710990	1.772" / 45.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	40	711029	0.591" / 15.000mm	0.945" / 24.000mm	0.954" / 24.230mm	0.276" / 7.000mm	Nitrile	32
710991	1.772" / 45.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.354" / 9.000mm	Polyacrylate	40	711030	3.657" / 92.888mm	/	/	0.810" / 20.574mm	PTFE	#
710992	1.969" / 50.000mm	3.150" / 80.000mm	3.159" / 80.250mm	0.315" / 8.000mm		40	711032	2.205" / 56.000mm	3.524" / 89.500mm	3.532" / 89.700mm	0.512" / 13.000mm	Fluoro-Elastomer	86
710993	1.969" / 50.000mm	2.835" / 72.000mm	2.846" / 72.300mm	0.354" / 9.000mm	Ethylene-Acrylic	40	711033	2.087" / 53.000mm	3.189" / 81.000mm	3.197" / 81.200mm	0.610" / 15.500mm	Fluoro-Elastomer	86
710994	1.969" / 50.000mm	3.228" / 82.000mm	3.238" / 82.250mm	0.354" / 9.000mm	Polyacrylate	40	711034	1.575" / 40.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.394" / 10.000mm	Polyacrylate	40
710995	1.673" / 42.500mm	2.571" / 65.300mm	2.579" / 65.500mm	0.495" / 12.570mm	Fluoro-Elastomer	#	711035	0.472" / 12.000mm	0.709" / 18.000mm	0.713" / 18.100mm	0.236" / 6.000mm	Polyacrylate	32
710996	1.929" / 49.000mm	3.150" / 80.000mm	3.157" / 80.200mm	0.433" / 11.000mm	Ethylene-Acrylic	74	711036	1.378" / 35.000mm	2.161" / 54.890mm	2.169" / 55.090mm	0.394" / 10.000mm	Ethylene-Acrylic	#
710997	1.457" / 37.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.394" / 10.000mm	Polyacrylate	40	711037	1.378" / 35.000mm	2.878" / 73.100mm	2.886" / 73.300mm	0.321" / 8.150mm	Polyacrylate	#
710998	2.244" / 57.000mm	3.307" / 84.000mm	3.319" / 84.300mm	0.437" / 11.100mm	Fluoro-Elastomer	87	711038	1.969" / 50.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
710999	1.575" / 40.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.370" / 9.400mm	Fluoro-Elastomer	74	711039	3.622" / 92.000mm	4.291" / 109.000mm	4.303" / 109.300mm	0.315" / 8.000mm	Fluoro-Elastomer	32
711001	1.811" / 46.000mm	2.220" / 56.400mm	2.228" / 56.600mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711040	0.787" / 20.000mm	1.378" / 35.000mm	1.387" / 35.230mm	0.217" / 5.500mm	Nitrile	32
711002	1.299" / 33.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.197" / 5.000mm	Fluoro-Elastomer	32	711041	1.378" / 35.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.374" / 9.500mm	Nitrile	32
711003	4.291" / 109.000mm	5.118" / 130.000mm	5.130" / 130.300mm	0.492" / 12.500mm	PTFE	40	711043	0.630" / 16.000mm	0.945" / 24.000mm	0.949" / 24.100mm	0.236" / 6.000mm	Nitrile	48
711004	2.520" / 64.000mm	3.602" / 91.500mm	3.610" / 91.700mm	0.404" / 10.260mm	PTFE	#	711046	1.969" / 50.000mm	3.150" / 80.000mm	3.158" / 80.200mm	0.472" / 12.000mm	Nitrile	40
711005	1.575" / 40.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711047	2.560" / 65.000mm	4.213" / 107.000mm	4.220" / 107.200mm	0.394" / 10.000mm	Fluoro-Elastomer	40
711007	3.346" / 85.000mm	4.133" / 105.000mm	4.145" / 105.280mm	0.433" / 11.000mm	PTFE	32	711048	1.181" / 30.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.315" / 8.000mm	Polyacrylate	32
711008	1.378" / 35.000mm	1.850" / 47.000mm	1.858" / 47.200mm	0.295" / 7.500mm	PTFE	32	711049	1.496" / 38.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
711009	0.516" / 38.500mm	2.283" / 58.000mm	/	0.394" / 10.000mm	Polyacrylate	#	711050	1.850" / 47.000mm	4.224" / 107.300mm	4.232" / 107.500mm	0.441" / 11.200mm	Ethylene-Acrylic	#
711010	1.811" / 46.000mm	2.866" / 72.800mm	2.874" / 73.000mm	0.413" / 10.500mm	PTFE	87	711051	2.008" / 51.000mm	4.312" / 111.300mm	4.394" / 111.600mm	0.441" / 11.200mm	Ethylene-Acrylic	#
711011	2.126" / 54.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.453" / 11.500mm	Fluoro-Elastomer	#	711052	2.166" / 55.000mm	3.464" / 88.000mm	3.472" / 88.200mm	0.433" / 11.000mm	Polyacrylate	74
711013	1.575" / 40.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Polyacrylate	40	711053	2.126" / 54.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.346" / 8.000mm	Polyacrylate	32
711014	0.551" / 14.000mm	0.787" / 20.000mm	0.795" / 20.200mm	0.400mm	Ethylene-Acrylic	32	711054	1.772" / 45.000mm	3.870" / 98.300mm	3.878" / 98.500mm	0.394" / 10.000mm	Fluoro-Elastomer	72

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
711055	1.850" / 47.000mm	3.701" / 78.000mm	3.079" / 78.200mm	0.472" / 12.000mm	Polyacrylate	74	711093	1.732" / 44.000mm	2.992" / 76.000mm	3.000" / 76.200mm	0.492" / 12.500mm	Polyacrylate	40
711056	1.890" / 48.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.472" / 12.000mm	Fluoro-Elastomer	40	711095	1.496" / 38.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.394" / 10.000mm	Polyacrylate	40
711057	1.653" / 42.000mm	2.834" / 72.000mm	2.842" / 72.200mm	0.512" / 13.000mm	Fluoro-Elastomer	74	711096	1.457" / 37.000mm	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	40
711058	1.378" / 35.000mm	2.047" / 52.000mm	2.055" / 52.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32	711097	1.654" / 42.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	40
711059	2.047" / 52.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Polyacrylate	40	711098	2.126" / 54.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.366" / 9.300mm	Polyacrylate	35
711060	0.591" / 15.000mm	0.827" / 21.000mm	0.833" / 21.150mm	0.157" / 4.000mm	Polyacrylate	32	711099	1.875" / 47.625mm	2.500" / 63.500mm	2.520" / 64.000mm	0.303" / 7.696mm	Fluoro-Elastomer	72
711062	2.165" / 55.000mm	3.150" / 80.000mm	3.161" / 80.300mm	0.315" / 8.000mm	Polyacrylate	40	711100	2.362" / 60.000mm	3.091" / 78.500mm	3.098" / 78.700mm	0.315" / 8.000mm	Polyacrylate	32
711063	1.378" / 35.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Fluoro-Elastomer	74	711101	2.165" / 55.000mm	2.846" / 72.300mm	2.854" / 72.500mm	0.339" / 8.600mm	Polyacrylate	32
711064	1.378" / 35.000mm	1.929" / 49.000mm	1.937" / 49.200mm	0.610" / 15.500mm	Fluoro-Elastomer	#	711102	1.732" / 44.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.315" / 8.000mm	Polyacrylate	40
711065	1.575" / 40.000mm	2.524" / 64.100mm	2.531" / 64.300mm	0.453" / 11.500mm	Fluoro-Elastomer	#	711103	1.457" / 37.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.315" / 8.000mm	Polyacrylate	32
711066	1.181" / 30.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.374" / 9.500mm	Fluoro-Elastomer	#	711104	2.402" / 61.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	32
711067	1.125" / 28.580mm	1.624" / 41.250mm	1.632" / 41.450mm	0.236" / 6.000mm	Fluoro-Elastomer	32	711105	1.535" / 39.000mm	3.161" / 80.300mm	3.169" / 80.500mm	0.354" / 9.000mm	Fluoro-Elastomer	87
711068	1.732" / 44.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.295" / 7.500mm	Fluoro-Elastomer	32	711106	2.205" / 56.000mm	3.157" / 80.200mm	3.165" / 80.400mm	0.354" / 9.000mm	Fluoro-Elastomer	87
711069	1.890" / 48.000mm	3.163" / 80.350mm	3.171" / 80.550mm	0.522" / 13.250mm	Fluoro-Elastomer	74	711107	1.811" / 46.000mm	2.402" / 61.000mm	2.409" / 61.200mm	0.276" / 7.000mm	Polyacrylate	32
711070	1.378" / 35.000mm	2.165" / 55.000mm	2.173" / 55.200mm	0.433" / 11.000mm	Polyacrylate	40	711108	2.307" / 58.600mm	3.179" / 80.750mm	3.187" / 80.950mm	0.394" / 10.000mm	Fluoro-Elastomer	75
711072	1.653" / 42.000mm	2.480" / 63.000mm	2.488" / 63.200mm	0.433" / 11.000mm	Polyacrylate	40	711109	1.654" / 42.000mm	2.520" / 64.000mm	2.528" / 64.200mm	0.394" / 10.000mm	Polyacrylate	#
711073	1.535" / 39.000mm	2.323" / 59.000mm	2.331" / 59.200mm	0.394" / 10.000mm	Polyacrylate	40	711110	1.870" / 47.500mm	2.579" / 65.500mm	2.587" / 65.700mm	0.236" / 6.000mm	Polyacrylate	32
711074	1.890" / 48.000mm	3.543" / 90.000mm	3.555" / 90.300mm	0.315" / 8.000mm	Polyacrylate	#	711111	2.165" / 55.000mm	2.913" / 74.000mm	2.921" / 74.200mm	0.394" / 10.000mm	Polyacrylate	32
711075	2.165" / 55.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.335" / 8.500mm	Polyacrylate	32	711112	1.772" / 45.000mm	2.285" / 58.050mm	2.293" / 58.250mm	0.486" / 12.350mm	Fluoro-Elastomer	#
711076	2.677" / 68.000mm	4.287" / 108.900mm	4.295" / 109.100mm	0.551" / 14.000mm	Fluoro-Elastomer	87	711113	1.890" / 48.000mm	2.441" / 62.000mm	2.449" / 62.200mm	0.650" / 16.500mm	Fluoro-Elastomer	#
711077	1.772" / 45.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.354" / 9.000mm	Polyacrylate	32	711114	1.260" / 32.000mm	1.620" / 41.150mm	1.624" / 41.250mm	0.441" / 11.200mm	Fluoro-Elastomer	#
711078	1.771" / 45.000mm	4.028" / 102.300mm	4.039" / 102.600mm	0.453" / 11.500mm	Polyacrylate	#	711115	1.969" / 50.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.346" / 8.800mm	Polyacrylate	40
711080	1.378" / 35.000mm	3.071" / 78.000mm	3.079" / 78.200mm	0.354" / 9.000mm	Fluoro-Elastomer	32	711116	1.575" / 40.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.315" / 8.000mm	Polyacrylate	#
711081	2.165" / 55.000mm	3.346" / 85.000mm	3.354" / 85.200mm	0.433" / 11.000mm	Fluoro-Elastomer	87	711117	2.165" / 55.000mm	3.268" / 83.000mm	3.276" / 83.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#
711082	1.375" / 34.925mm	2.160" / 54.864mm	2.168" / 55.064mm	0.394" / 10.000mm	Nitrile	#	711118	1.772" / 45.000mm	2.362" / 60.000mm	2.370" / 60.200mm	0.512" / 13.000mm	Fluoro-Elastomer	#
711083	1.890" / 48.000mm	2.677" / 68.000mm	2.685" / 68.200mm	0.315" / 8.000mm	Fluoro-Elastomer	32	711119	1.102" / 28.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.354" / 9.000mm	Fluoro-Elastomer	47
711084	1.375" / 34.925mm	2.206" / 56.030mm	2.214" / 56.230mm	0.390" / 9.900mm	Fluoro-Elastomer	87	711120	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.512" / 13.000mm	Polyacrylate	40
711086	1.358" / 34.500mm	2.126" / 54.000mm	2.134" / 54.200mm	0.354" / 9.000mm	Polyacrylate	32	711121	1.890" / 48.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.315" / 8.000mm	Polyacrylate	32
711087	1.378" / 35.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.335" / 8.500mm	Polyacrylate	40	711122	1.772" / 45.000mm	2.559" / 65.000mm	2.567" / 65.200mm	0.394" / 10.000mm	Polyacrylate	32
711088	1.969" / 50.000mm	3.386" / 86.000mm	3.394" / 86.200mm	0.492" / 12.500mm	Polyacrylate	40	711123	1.181" / 30.000mm	1.866" / 47.400mm	1.874" / 47.600mm	0.228" / 5.800mm	Polyacrylate	49
711089	1.378" / 35.000mm	2.638" / 67.000mm	2.646" / 67.200mm	0.472" / 12.000mm	Polyacrylate	40	711124	2.205" / 56.000mm	2.756" / 70.000mm	2.764" / 70.200mm	0.323" / 8.200mm	PTFE	#
711090	1.260" / 32.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Polyacrylate	40	711125	3.937" / 100.000mm	4.528" / 115.000mm	4.539" / 115.300mm	0.276" / 7.000mm	PTFE	#
711091	1.260" / 32.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.433" / 11.000mm	Polyacrylate	40	711126	3.937" / 100.000mm	4.724" / 120.000mm	4.736" / 120.300mm	0.433" / 11.000mm	PTFE	#
711092	1.260" / 32.000mm	1.969" / 50.000mm	1.976" / 50.200mm	0.354" / 9.000mm	Polyacrylate	40	711127	3.661" / 93.000mm	4.488" / 114.000mm	4.500" / 114.300mm	0.457" / 11.600mm	PTFE	#

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
711128	3.150" / 80.000mm	3.819" / 97.000mm	3.827" / 97.200mm	0.516" / 13.100mm	Fluoro-Elastomer	#	712375	2.375" / 60.330mm	4.064" / 103.230mm	4.069" / 103.350mm	1.092" / 27.740mm	Polyacrylate	90
711129	2.166" / 55.000mm	2.835" / 72.000mm	2.843" / 72.200mm	0.315" / 8.000mm	Fluoro-Elastomer	#	712449	4.812" / 122.220mm	5.543" / 140.800mm	5.551" / 141.000mm	0.472" / 12.000mm	Fluoro-Elastomer	32
711130	3.937" / 100.000mm	4.528" / 115.000mm	4.539" / 115.300mm	0.315" / 8.000mm	Fluoro-Elastomer	#	712511	2.677" / 68.000mm	3.504" / 89.000mm	3.512" / 89.200mm	0.433" / 11.000mm	Fluoro-Elastomer	32
711131	2.500" / 63.500mm	3.130" / 79.500mm	3.138" / 79.700mm	0.315" / 8.000mm	PTFE	#	712512	2.250" / 57.150mm	3.252" / 82.600mm	3.260" / 82.800mm	0.551" / 14.000mm	Polyacrylate	55
711132	4.331" / 110.000mm	4.921" / 125.000mm	4.933" / 125.300mm	0.472" / 12.000mm	PTFE	#	712551	1.575" / 40.000mm	2.205" / 56.000mm	2.215" / 56.260mm	0.394" / 10.000mm	Nitrile	32
711133	3.346" / 85.000mm	4.134" / 105.000mm	4.146" / 105.300mm	0.563" / 14.300mm	PTFE	#	712598	2.598" / 66.000mm	3.999" / 101.570mm	4.004" / 101.700mm	0.730" / 18.542mm	Nitrile	47
711181	1.614" / 41.000mm	2.205" / 56.000mm	2.210" / 56.130mm	0.276" / 7.000mm	Fluoro-Elastomer	32	712625	2.625" / 66.680mm	4.064" / 103.230mm	4.069" / 103.350mm	0.960" / 24.380mm	Polyacrylate	90
711552	1.552" / 39.420mm	2.502" / 63.550mm	2.506" / 63.650mm	0.312" / 7.920mm	Polyacrylate	47	712692	1.875" / 47.625mm	2.561" / 65.049mm	2.565" / 65.151mm	0.528" / 13.411mm	Fluoro-Elastomer	76
711553	2.375" / 60.330mm	3.875" / 98.430mm	3.881" / 98.580mm	1.060" / 26.920mm	Polyacrylate	74	712750	3.500" / 88.900mm	4.501" / 114.330mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	41
712000	3.000" / 76.200mm	5.750" / 146.050mm	5.764" / 146.400mm	0.945" / 24.000mm	Polyacrylate	74	712937	2.937" / 74.600mm	4.939" / 125.450mm	4.944" / 125.580mm	1.250" / 31.750mm	Polyacrylate	90
712001	1.181" / 30.000mm	1.811" / 46.000mm	1.823" / 46.300mm	0.315" / 8.000mm	Polyacrylate	32	712938	2.205" / 56.000mm	2.874" / 73.000mm	2.883" / 73.230mm	0.315" / 8.000mm	Nitrile	49
712005	2.559" / 65.000mm	3.307" / 84.000mm	3.319" / 84.300mm	0.354" / 9.000mm	Silicone	32	713087	1.102" / 28.000mm	1.496" / 38.000mm	1.504" / 38.200mm	0.276" / 7.000mm	Fluoro-Elastomer	32
712006	2.362" / 60.000mm	3.228" / 82.000mm	3.236" / 82.200mm	0.472" / 12.000mm	Silicone	32	713103	2.180" / 55.370mm	3.190" / 81.030mm	3.194" / 81.130mm	0.620" / 15.750mm	Fluoro-Elastomer	69
712007	0.984" / 25.000mm	1.378" / 35.000mm	1.388" / 35.250mm	0.276" / 6.000mm	Silicone	32	713655	1.378" / 35.000mm	2.047" / 52.000mm	2.061" / 52.350mm	0.305" / 7.750mm	Polyacrylate	32
712008	1.102" / 28.000mm	1.654" / 42.000mm	1.661" / 42.200mm	0.315" / 8.000mm	Silicone	32	713750	3.750" / 95.250mm	4.500" / 114.300mm	4.506" / 114.450mm	0.468" / 11.890mm	Fluoro-Elastomer	69
712009	1.063" / 27.000mm	1.575" / 40.000mm	1.583" / 40.200mm	0.315" / 8.000mm	Silicone	32	713771	1.378" / 35.000mm	1.969" / 50.000mm	1.982" / 50.340mm	0.276" / 7.000mm	Fluoro-Elastomer	35
712011	1.575" / 40.000mm	2.953" / 75.000mm	2.961" / 75.200mm	0.472" / 12.000mm	Nitrile	32	714075	1.771" / 44.980mm	2.500" / 63.500mm	2.504" / 63.600mm	0.359" / 9.120mm	Silicone	74
712012	0.984" / 25.000mm	1.752" / 44.500mm	1.756" / 44.600mm	0.313" / 7.950mm	Fluoro-Elastomer	#	714436	1.378" / 35.000mm	1.890" / 48.000mm	1.898" / 48.200mm	0.315" / 8.000mm	Nitrile	32
712013	1.000" / 25.400mm	1.752" / 44.500mm	1.756" / 44.600mm	0.313" / 7.950mm	Nitrile	#	714470	3.125" / 79.380mm	4.003" / 101.680mm	4.008" / 101.800mm	0.500" / 12.700mm	Fluoro-Elastomer	48
712014	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.375" / 9.530mm	Nitrile	#	714503	1.886" / 47.900mm	2.756" / 69.850mm	2.765" / 70.230mm	0.472" / 12.000mm	Polyacrylate	87
712015	0.875" / 22.230mm	1.375" / 34.930mm	1.379" / 35.030mm	0.250" / 6.350mm	Fluoro-Elastomer	#	714512	2.375" / 60.330mm	4.498" / 114.427mm	4.505" / 114.400mm	0.391" / 9.930mm	Polyacrylate	87
712016	1.000" / 25.400mm	1.499" / 38.070mm	1.503" / 38.180mm	0.250" / 6.350mm	Nitrile	#	714569	1.574" / 39.980mm	2.410" / 61.210mm	2.415" / 61.340mm	0.540" / 13.720mm	Fluoro-Elastomer	32
712018	0.984" / 25.000mm	1.596" / 40.540mm	1.601" / 40.666mm	0.250" / 6.350mm	Nitrile	#	714598	1.998" / 50.749mm	2.878" / 73.100mm	2.882" / 73.200mm	0.340" / 8.640mm	Polyacrylate	86
712019	0.500" / 12.700mm	0.875" / 22.230mm	0.879" / 22.330mm	0.313" / 7.950mm	Nitrile	#	714616	0.630" / 16.000mm	1.762" / 44.750mm	1.770" / 44.960mm	0.354" / 9.000mm	Fluoro-Elastomer	34
712021	0.313" / 7.950mm	0.749" / 19.020mm	0.753" / 19.130mm	0.250" / 6.350mm	Fluoro-Elastomer	#	714654	2.000" / 50.800mm	2.996" / 76.100mm	3.003" / 76.280mm	0.438" / 11.130mm	Polyacrylate	47
712022	0.313" / 7.950mm	0.686" / 17.420mm	0.690" / 17.530mm	0.313" / 7.950mm	Nitrile	#	714655	1.375" / 34.930mm	1.981" / 50.320mm	1.989" / 50.520mm	0.252" / 6.400mm	Polyacrylate	48
712023	1.500" / 38.100mm	2.311" / 58.700mm	2.315" / 58.800mm	0.500" / 12.700mm	Fluoro-Elastomer	#	714670	2.500" / 63.500mm	3.500" / 88.900mm	3.504" / 89.000mm	0.450" / 11.430mm	Polyacrylate	47
712024	0.625" / 15.880mm	1.124" / 28.550mm	1.128" / 28.650mm	0.375" / 9.530mm	Nitrile	#	714675	1.844" / 46.838mm	2.748" / 69.799mm	2.753" / 69.926mm	0.425" / 10.800mm	Fluoro-Elastomer	74
712025	1.250" / 31.750mm	1.750" / 44.450mm	1.754" / 44.550mm	0.250" / 6.350mm	Nitrile	#	714679	1.605" / 40.770mm	2.560" / 65.020mm	2.565" / 65.150mm	0.369" / 9.373mm	Polyacrylate	90
712027	0.750" / 19.050mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	#	714713	4.000" / 101.600mm	4.999" / 126.970mm	5.004" / 127.100mm	0.469" / 11.910mm	Fluoro-Elastomer	96
712146	1.687" / 42.850mm	2.560" / 65.020mm	2.579" / 65.510mm	0.470" / 11.940mm	Nitrile	25	714750	4.750" / 120.650mm	5.751" / 146.080mm	5.756" / 146.200mm	0.500" / 12.700mm	Fluoro-Elastomer	48
712250	2.250" / 57.150mm	3.000" / 76.200mm	3.005" / 76.330mm	0.375" / 9.530mm	Fluoro-Elastomer	47	715100	1.875" / 47.630mm	3.150" / 80.010mm	3.155" / 80.140mm	0.250" / 6.350mm	Nitrile	46
712260	1.750" / 44.450mm	2.810" / 71.370mm	2.814" / 71.480mm	0.315" / 8.000mm	Nitrile	47	716102	3.346" / 85.000mm	4.134" / 105.000mm	4.145" / 105.280mm	0.512" / 13.000mm	Nitrile	32
712270	0.875" / 22.230mm	1.436" / 36.470mm	1.441" / 36.600mm	0.256" / 6.500mm	Nitrile	48	717004	4.724" / 120.000mm	5.512" / 140.000mm	5.522" / 140.250mm	0.472" / 12.000mm	Nitrile	48

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
717005	3.740" / 95.000mm	4.331" / 110.000mm	4.341" / 110.260mm	0.433" / 11.000mm	Nitrile	32	75X95X10	2.953" / 75.000mm	3.740" / 95.000mm	3.751" / 95.280mm	0.394" / 10.000mm	Nitrile	32
718610	0.562" / 14.250mm	1.004" / 25.500mm	1.008" / 25.600mm	0.254" / 6.450mm	Polyacrylate	47	7600S	1.825" / 46.360mm	2.750" / 69.850mm	2.754" / 69.950mm	0.468" / 11.890mm	Nitrile	47
7186S	1.812" / 46.020mm	2.718" / 69.040mm	2.722" / 69.140mm	0.270" / 6.860mm	Nitrile	200	7607	1.730" / 43.940mm	2.336" / 59.330mm	2.340" / 59.440mm	0.280" / 7.110mm	Felt	75
7188S	0.625" / 15.880mm	0.999" / 25.370mm	1.003" / 25.480mm	0.250" / 6.350mm	Nitrile	33	7687S	1.378" / 35.000mm	2.500" / 63.500mm	2.513" / 63.830mm	0.435" / 11.050mm	Nitrile	35
719316	1.875" / 47.630mm	2.797" / 71.040mm	2.805" / 71.240mm	0.530" / 13.460mm	Fluoro-Elastomer	72	7692S	1.500" / 38.100mm	2.372" / 60.250mm	2.376" / 60.350mm	0.420" / 10.668mm	Polyacrylate	79
7208S	3.250" / 82.550mm	4.500" / 114.300mm	4.600" / 116.840mm	0.315" / 8.000mm	Nitrile	200E	7700S	4.625" / 117.480mm	6.622" / 168.200mm	6.629" / 168.380mm	1.093" / 27.760mm	Nitrile	21
7214	0.750" / 19.050mm	1.031" / 26.190mm	1.035" / 26.290mm	0.313" / 7.950mm	Nitrile	49	7750	0.750" / 19.050mm	1.124" / 28.550mm	1.128" / 28.650mm	0.188" / 4.780mm	Nitrile	48
7216	1.875" / 47.630mm	3.105" / 78.870mm	3.110" / 78.990mm	0.500" / 12.700mm	Leather	47	7751H	1.968" / 49.990mm	2.686" / 68.220mm	2.690" / 68.330mm	0.370" / 9.400mm	Silicone	33
722108	1.312" / 33.320mm	1.625" / 41.280mm	1.662" / 42.210mm	0.156" / 3.960mm	Nitrile	VRS1	7780N	2.667" / 67.740mm	3.751" / 95.280mm	3.756" / 95.400mm	0.500" / 12.700mm	Leather	4L
722109	2.250" / 57.150mm	2.675" / 67.950mm	2.733" / 69.420mm	0.539" / 13.690mm	Nitrile	VRS1	7781S	1.250" / 31.750mm	1.983" / 50.370mm	1.987" / 50.470mm	0.250" / 6.350mm	Nitrile	203
722250	2.250" / 57.150mm	4.064" / 103.230mm	4.069" / 103.350mm	1.092" / 27.740mm	Polyacrylate	90	7790H	2.125" / 53.980mm	3.193" / 81.100mm	3.198" / 81.230mm	0.812" / 20.620mm	Silicone	47
72X100X10	2.835" / 72.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	7834	1.750" / 44.450mm	2.502" / 63.550mm	2.506" / 63.650mm	0.680" / 17.270mm	Leather	5S
72X90X10	2.835" / 72.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.394" / 10.000mm	Nitrile	35	7840S	0.875" / 22.230mm	1.249" / 31.720mm	1.254" / 31.850mm	0.187" / 4.750mm	Nitrile	31
7300S	1.685" / 42.800mm	2.500" / 63.500mm	2.506" / 63.650mm	0.421" / 10.693mm	Polyacrylate	79	7866S	4.875" / 123.830mm	6.375" / 161.930mm	6.625" / 168.280mm	0.500" / 12.700mm	Nitrile	75
7354N	4.375" / 111.130mm	5.373" / 136.470mm	5.500" / 139.700mm	0.570" / 14.480mm	Polyacrylate	8S	7886S	1.500" / 38.100mm	2.437" / 61.900mm	2.441" / 62.000mm	0.250" / 6.350mm	Nitrile	48
7354V	4.375" / 111.130mm	5.373" / 136.470mm	5.500" / 139.700mm	0.570" / 14.480mm	Fluoro-Elastomer	8S	78X105X10	3.071" / 78.000mm	4.134" / 105.000mm	4.142" / 105.200mm	0.394" / 10.000mm	Nitrile	32
7381S	1.687" / 42.850mm	2.684" / 68.170mm	2.690" / 68.330mm	0.250" / 6.350mm	Nitrile	24	78X115X10	3.071" / 78.000mm	4.528" / 115.000mm	4.535" / 115.200mm	0.394" / 10.000mm	Nitrile	32
7399S	0.625" / 15.880mm	0.937" / 23.800mm	0.945" / 24.000mm	0.187" / 4.750mm	Nitrile	24	7929S	0.742" / 18.850mm	1.063" / 27.000mm	1.067" / 27.100mm	0.187" / 4.750mm	Nitrile	33
7412S	1.250" / 31.750mm	1.750" / 44.450mm	1.754" / 44.550mm	0.250" / 6.350mm	Nitrile	48	7934S	1.875" / 47.630mm	2.400" / 60.960mm	2.405" / 61.090mm	0.240" / 6.100mm	Nitrile	204
7457N	1.656" / 42.060mm	2.623" / 66.620mm	2.627" / 66.730mm	0.455" / 11.560mm	Polyacrylate	1S	7937N	2.250" / 57.150mm	3.061" / 77.750mm	3.066" / 77.880mm	0.500" / 12.700mm	Polyacrylate	41
7486S	1.750" / 44.450mm	2.374" / 60.300mm	2.381" / 60.480mm	0.437" / 11.100mm	Nitrile	35	797703	1.000" / 25.400mm	1.499" / 38.075mm	1.503" / 38.176mm	0.250" / 6.350mm	Fluoroelastomer	#
7495S	1.375" / 34.930mm	2.250" / 57.150mm	2.254" / 57.250mm	0.713" / 18.110mm	Nitrile	61	797704	1.750" / 44.450mm	2.502" / 63.551mm	2.506" / 63.652mm	0.500" / 12.700mm	Nitrile	#
7512SSO	2.500" / 63.500mm	4.500" / 114.300mm	6.125" / 155.580mm	0.400" / 10.160mm	Nitrile	51	797705	1.500" / 38.100mm	2.328" / 59.131mm	2.332" / 59.233mm	0.500" / 12.700mm	Nitrile	#
7537S	1.500" / 38.100mm	2.062" / 52.370mm	2.066" / 52.480mm	0.240" / 6.100mm	Nitrile	24	797706	1.500" / 38.100mm	2.064" / 52.426mm	2.068" / 52.527mm	0.375" / 9.525mm	Fluoroelastomer	#
7568	2.222" / 56.440mm	3.543" / 90.000mm	3.548" / 90.120mm	0.760" / 19.300mm	Silicone	12	797707	1.250" / 31.750mm	1.750" / 44.450mm	1.754" / 44.552mm	0.250" / 6.350mm	Fluoroelastomer	#
7581H	2.500" / 63.500mm	3.500" / 88.900mm	3.505" / 89.030mm	0.500" / 12.700mm	Silicone	48	797711	0.875" / 22.225mm	1.497" / 38.024mm	1.501" / 38.125mm	0.313" / 7.950mm	Fluoroelastomer	#
75X100X10	2.953" / 75.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	32	797713	0.500" / 12.700mm	0.999" / 25.375mm	1.003" / 25.476mm	0.250" / 6.350mm	Fluoroelastomer	#
75X100X12	2.953" / 75.000mm	3.937" / 100.000mm	3.948" / 100.270mm	0.472" / 12.000mm	Nitrile	32	797714	0.875" / 22.225mm	1.250" / 31.750mm	1.254" / 31.852mm	0.250" / 6.350mm	Fluoroelastomer	#
75X105X13	2.953" / 75.000mm	4.134" / 105.000mm	4.144" / 105.270mm	0.512" / 13.000mm	Nitrile	32	797715	0.500" / 12.700mm	1.124" / 28.550mm	1.128" / 28.651mm	0.250" / 6.350mm	Fluoroelastomer	#
75X110X12	2.953" / 75.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.472" / 12.000mm	Nitrile	32	797716	1.500" / 38.100mm	1.997" / 50.724mm	2.003" / 50.876mm	0.250" / 6.350mm	Fluoroelastomer	#
75X115X12	2.953" / 75.000mm	4.528" / 115.000mm	4.539" / 115.300mm	0.472" / 12.000mm	Nitrile	35	797719	1.688" / 42.875mm	2.562" / 65.075mm	2.566" / 65.176mm	0.250" / 6.350mm	Nitrile	#
75X120X10	2.953" / 75.000mm	4.724" / 120.000mm	4.732" / 120.200mm	0.394" / 10.000mm	Nitrile	32	797720	1.375" / 34.925mm	2.437" / 61.900mm	2.441" / 62.001mm	0.250" / 6.350mm	Nitrile	#
75X90X10	2.953" / 75.000mm	3.543" / 90.000mm	3.553" / 90.250mm	0.394" / 10.000mm	Nitrile	32	797721	1.500" / 38.100mm	2.502" / 63.551mm	2.506" / 63.652mm	0.250" / 6.350mm	Nitrile	#
75X90X8	2.953" / 75.000mm	3.543" / 90.000mm	3.551" / 90.200mm	0.315" / 8.000mm	Nitrile	32	797723	1.875" / 47.625mm	3.000" / 76.200mm	3.005" / 76.327mm	0.250" / 6.350mm	Nitrile	#

# Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
797728	1.750" / 44.450mm	2.125" / 53.975mm	2.129" / 54.077mm	0.188" / 4.775mm	Nitrile	#	8549S	1.360" / 34.530mm	4.560" / 115.800mm	2.328" / 59.130mm	0.323" / 8.200mm	Nitrile	#
7994S	1.562" / 39.670mm	2.062" / 52.370mm	2.066" / 52.480mm	0.200" / 5.080mm	Nitrile	44	8594S	1.350" / 34.290mm	2.571" / 65.300mm	2.575" / 65.410mm	0.706" / 17.930mm	Nitrile	62
7X16X7	0.276" / 7.000mm	0.630" / 16.000mm	0.641" / 16.280mm	0.276" / 7.000mm	Nitrile	32	8597S	1.491" / 37.870mm	2.191" / 55.650mm	2.195" / 55.750mm	0.250" / 6.350mm	Nitrile	48
7X22X7	0.276" / 7.000mm	0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	35	85X105X10	3.346" / 85.000mm	4.134" / 105.000mm	4.145" / 105.280mm	0.394" / 10.000mm	Nitrile	32
8059S	0.968" / 24.590mm	1.686" / 42.820mm	1.690" / 42.930mm	0.312" / 7.920mm	Nitrile	25	85X110X10	3.346" / 85.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	35
80X100X10	3.150" / 80.000mm	3.937" / 100.000mm	3.945" / 100.200mm	0.394" / 10.000mm	Nitrile	35	85X110X12	3.346" / 85.000mm	4.331" / 110.000mm	4.342" / 110.280mm	0.472" / 12.000mm	Nitrile	32
80X105X10	3.150" / 80.000mm	4.134" / 105.000mm	4.142" / 105.200mm	0.394" / 10.000mm	Nitrile	32	85X115X13	3.346" / 85.000mm	4.528" / 115.000mm	4.528" / 115.000mm	0.512" / 13.000mm	Nitrile	35
80X105X13	3.150" / 80.000mm	4.134" / 105.000mm	4.144" / 105.270mm	0.512" / 13.000mm	Nitrile	32	85X115X7	3.346" / 85.000mm	4.528" / 115.000mm	4.538" / 115.270mm	0.276" / 7.000mm	Nitrile	32
80X110X10	3.150" / 80.000mm	4.331" / 110.000mm	4.342" / 110.280mm	0.394" / 10.000mm	Nitrile	32	85X120X12	3.346" / 85.000mm	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32
80X120X10	3.150" / 80.000mm	4.724" / 120.000mm	4.732" / 120.200mm	0.394" / 10.000mm	Nitrile	32	85X125X12	3.346" / 85.000mm	4.921" / 125.000mm	4.929" / 125.200mm	0.472" / 12.000mm	Nitrile	32
80X120X13	3.150" / 80.000mm	4.724" / 120.000mm	4.735" / 120.280mm	0.512" / 13.000mm	Nitrile	32	85X130X13	3.346" / 85.000mm	5.118" / 130.000mm	5.124" / 130.150mm	0.500" / 12.700mm	Nitrile	48
80X125X7	3.150" / 80.000mm	4.921" / 125.000mm	4.932" / 125.270mm	0.276" / 7.000mm	Nitrile	32	8609	0.812" / 20.620mm	1.250" / 31.750mm	1.254" / 31.850mm	0.254" / 6.450mm	Fluoro-Elastomer	47
8121S	1.730" / 43.940mm	2.336" / 59.330mm	2.340" / 59.440mm	0.470" / 11.940mm	Polyacrylate	25	8610	1.521" / 38.630mm	2.656" / 67.460mm	2.660" / 67.560mm	0.424" / 10.770mm	Nitrile	74
8126S	5.000" / 127.000mm	6.622" / 168.200mm	6.629" / 168.380mm	0.906" / 23.010mm	Nitrile	89	8611N	1.521" / 38.630mm	2.656" / 67.460mm	2.660" / 67.560mm	0.594" / 15.090mm	Nitrile	74
8133S	1.362" / 34.590mm	2.191" / 55.650mm	2.195" / 55.750mm	0.250" / 6.350mm	Nitrile	48	8622	1.940" / 49.280mm	2.813" / 71.450mm	2.817" / 71.550mm	0.428" / 10.870mm	Nitrile	88
8139	2.000" / 50.800mm	2.961" / 75.210mm	2.971" / 75.460mm	0.250" / 6.350mm	Felt	#	8635S	5.500" / 139.700mm	7.624" / 193.650mm	7.631" / 193.830mm	1.250" / 31.750mm	Nitrile	21
8160S	1.562" / 39.670mm	2.441" / 62.000mm	2.457" / 62.410mm	0.500" / 12.700mm	Nitrile	32	8650S	2.125" / 53.980mm	2.996" / 76.100mm	3.001" / 76.230mm	0.687" / 17.450mm	Nitrile	1L
8165	1.875" / 47.630mm	3.000" / 76.200mm	3.005" / 76.330mm	0.625" / 15.880mm	Silicone	#	8660S	1.399" / 35.530mm	2.292" / 58.220mm	2.296" / 58.320mm	0.460" / 11.680mm	Nitrile	48
8181NA	1.812" / 46.020mm	2.623" / 66.620mm	2.627" / 66.730mm	0.455" / 11.560mm	Nitrile	74	8676S	1.375" / 34.930mm	4.567" / 116.000mm	4.582" / 116.380mm	0.259" / 6.580mm	Nitrile	54
8243	2.125" / 53.980mm	3.146" / 79.910mm	3.153" / 80.090mm	0.500" / 12.700mm	Felt	#	8695S	1.550" / 39.370mm	2.686" / 68.220mm	2.690" / 68.330mm	0.500" / 12.700mm	Nitrile	47
8293S	1.238" / 31.450mm	2.250" / 57.150mm	2.254" / 57.250mm	0.500" / 12.700mm	Nitrile	48	8704S	1.893" / 48.080mm	2.434" / 61.820mm	2.438" / 61.930mm	0.250" / 6.350mm	Nitrile	33
82X105X13	3.228" / 82.000mm	4.134" / 105.000mm	4.144" / 105.250mm	0.512" / 13.000mm	Nitrile	25	8705S	1.734" / 44.040mm	2.400" / 60.960mm	2.405" / 61.090mm	0.230" / 5.840mm	Nitrile	277
8312	2.136" / 54.250mm	2.904" / 73.761mm	2.910" / 73.914mm	0.326" / 8.280mm	Nitrile	272	8724S	7.995" / 203.070mm	11.625" / 295.280mm	11.633" / 295.480mm	1.078" / 27.380mm	Nitrile	41
8316	2.008" / 51.000mm	2.756" / 70.000mm	2.767" / 70.280mm	0.433" / 11.000mm	Polyacrylate	32	8773S	0.687" / 17.450mm	1.250" / 31.750mm	1.254" / 31.850mm	0.250" / 6.350mm	Nitrile	25
8362	1.875" / 47.630mm	2.315" / 58.800mm	2.321" / 58.950mm	0.203" / 5.160mm	Nitrile	33	8792S	0.500" / 12.700mm	0.751" / 19.080mm	0.756" / 19.200mm	0.192" / 4.880mm	Nitrile	31
8370S	3.797" / 96.440mm	4.501" / 114.330mm	4.506" / 114.450mm	0.250" / 6.350mm	Nitrile	4S	8835S	1.618" / 41.097mm	2.575" / 65.410mm	2.579" / 65.510mm	0.460" / 11.680mm	Nitrile	33
8421S	1.562" / 39.670mm	2.062" / 52.370mm	2.066" / 52.480mm	0.250" / 6.350mm	Nitrile	33	8871	2.000" / 50.800mm	2.562" / 65.070mm	2.566" / 65.180mm	0.220" / 5.590mm	Nitrile	286
8429S	1.247" / 31.670mm	2.625" / 66.680mm	2.633" / 66.880mm	0.480" / 12.190mm	Nitrile	#	88X110X12	3.465" / 88.000mm	4.331" / 110.000mm	4.342" / 110.280mm	0.472" / 12.000mm	Nitrile	35
8430S	2.125" / 53.980mm	3.000" / 76.200mm	3.005" / 76.330mm	0.312" / 7.920mm	Nitrile	49	8907	5.937" / 150.800mm	6.801" / 172.750mm	6.806" / 172.870mm	1.125" / 28.580mm	Nitrile	#
8460N	1.739" / 44.170mm	2.812" / 71.420mm	3.270" / 83.060mm	0.593" / 15.060mm	Polyacrylate	74	8935S	1.558" / 39.570mm	2.250" / 57.150mm	2.254" / 57.250mm	0.437" / 11.099mm	Nitrile	79
8477S	1.618" / 41.097mm	2.531" / 64.290mm	2.535" / 64.390mm	0.750" / 19.050mm	Nitrile	48	8940S	1.523" / 38.680mm	2.714" / 68.940mm	2.718" / 69.040mm	0.500" / 12.700mm	Nitrile	48
8515N	1.875" / 47.630mm	2.812" / 71.420mm	2.816" / 71.530mm	0.770" / 19.560mm	Polyacrylate	74	8971H	5.125" / 130.180mm	6.125" / 155.580mm	6.131" / 155.730mm	0.750" / 19.050mm	Silicone	7S
8516N	1.687" / 42.850mm	2.623" / 66.620mm	2.627" / 66.730mm	0.437" / 11.100mm	Polyacrylate	47	8974S	2.180" / 55.370mm	3.000" / 76.200mm	3.005" / 76.330mm	0.495" / 12.570mm	Nitrile	49
8521S	1.872" / 47.550mm	2.684" / 68.170mm	2.701" / 68.610mm	0.544" / 13.820mm	Nitrile	200E	8975S	2.512" / 63.800mm	3.506" / 89.050mm	3.510" / 89.150mm	0.290" / 7.370mm	Nitrile	49

## Seals by part number

Oil Seal (Cont.)							Oil Seal (Cont.)						
Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type	Part Number	Shaft	Housing Bore	Outside Diameter	Width	Material	Type
8976S	3.125" / 79.380mm	4.173" / 106.000mm	4.179" / 106.150mm	0.290" / 7.370mm	Nitrile	49	95X115X12	3.740" / 95.000mm	4.528" / 115.000mm	4.539" / 115.280mm	0.472" / 12.000mm	Nitrile	35
8998	1.996" / 50.700mm	2.000" / 50.800mm	2.878" / 73.100mm	0.250" / 6.350mm	Nitrile	44	95X120X12	3.740" / 95.000mm	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32
8X14X4	0.315" / 8.000mm	0.551" / 14.000mm	0.559" / 14.200mm	0.157" / 4.000mm	Nitrile	35	95X125X12	3.740" / 95.000mm	4.921" / 125.000mm	4.932" / 125.280mm	0.472" / 12.000mm	Nitrile	35
8X16X7	0.315" / 8.000mm	0.630" / 16.000mm	0.639" / 16.230mm	0.276" / 7.000mm	Nitrile	35	95X130X12	3.740" / 95.000mm	5.118" / 130.000mm	5.129" / 130.280mm	0.472" / 12.000mm	Nitrile	32
8X18X5	0.315" / 8.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.197" / 5.000mm	Nitrile	35	9600S	3.125" / 79.380mm	5.985" / 152.020mm	6.000" / 152.400mm	0.955" / 24.260mm	Nitrile	#
8X18X7	0.315" / 8.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	32	9613S	1.500" / 38.100mm	2.377" / 60.380mm	2.381" / 60.480mm	0.470" / 11.940mm	Nitrile	71
8X22X7	0.315" / 8.000mm	0.866" / 22.000mm	0.877" / 22.280mm	0.276" / 7.000mm	Nitrile	32	9773	2.625" / 66.680mm	4.564" / 115.930mm	4.568" / 116.030mm	0.718" / 18.240mm	Polyacrylate	74
8X24X7	0.315" / 8.000mm	0.945" / 24.000mm	0.956" / 24.280mm	0.276" / 7.000mm	Nitrile	35	9845	1.763" / 44.780mm	2.409" / 61.190mm	2.416" / 61.370mm	0.375" / 9.530mm	Fluoro-Elastomer	47
9015S	2.000" / 50.800mm	2.561" / 65.050mm	2.565" / 65.150mm	0.549" / 13.940mm	Nitrile	44	9845V	1.763" / 44.780mm	2.409" / 61.190mm	2.416" / 61.370mm	0.375" / 9.530mm	Fluoro-Elastomer	47
9049N	1.880" / 47.750mm	2.562" / 65.070mm	2.566" / 65.180mm	0.250" / 6.350mm	Nitrile	25	9864S	2.875" / 73.030mm	3.875" / 98.430mm	3.880" / 98.550mm	0.515" / 13.080mm	Nitrile	57
90X110X12	3.543" / 90.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.472" / 12.000mm	Nitrile	32	98X120X13	3.858" / 98.000mm	4.724" / 120.000mm	4.732" / 120.200mm	0.512" / 13.000mm	Nitrile	35
90X115X12	3.543" / 90.000mm	4.528" / 115.000mm	4.535" / 115.200mm	0.472" / 12.000mm	Nitrile	32	9912	1.875" / 47.630mm	2.877" / 73.080mm	2.865" / 72.770mm	0.470" / 11.940mm	Nitrile	25
90X120X12	3.543" / 90.000mm	4.724" / 120.000mm	4.735" / 120.280mm	0.472" / 12.000mm	Nitrile	32	9943	2.562" / 65.070mm	3.727" / 94.670mm	3.777" / 95.940mm	0.490" / 12.450mm	Nitrile	#
90X125X13	3.543" / 90.000mm	4.921" / 125.000mm	4.933" / 125.300mm	0.512" / 13.000mm	Nitrile	32	9X18X7	0.354" / 9.000mm	0.709" / 18.000mm	0.717" / 18.200mm	0.276" / 7.000mm	Nitrile	35
90X125X7	3.543" / 90.000mm	4.921" / 125.000mm	4.949" / 125.700mm	0.276" / 7.000mm	Nitrile	32	9X22X7	0.354" / 9.000mm	0.866" / 22.000mm	0.874" / 22.200mm	0.276" / 7.000mm	Nitrile	35
9128S	4.166" / 105.820mm	5.501" / 139.730mm	5.506" / 139.850mm	0.600" / 15.240mm	Nitrile	45	9X26X7	0.354" / 9.000mm	1.024" / 26.000mm	1.035" / 26.280mm	0.276" / 7.000mm	Nitrile	35
9150S	1.937" / 49.200mm	2.578" / 65.480mm	2.830" / 71.880mm	0.292" / 7.420mm	Nitrile	25							
9161	1.326" / 33.680mm	2.312" / 58.720mm	2.316" / 58.830mm	0.435" / 11.050mm	Nitrile	48							
9178S	1.687" / 42.850mm	2.605" / 66.170mm	2.609" / 66.270mm	0.235" / 5.970mm	Nitrile	4S							
92X120X13	3.622" / 92.000mm	4.724" / 120.000mm	4.734" / 120.240mm	0.512" / 13.000mm	Nitrile	35							
9316	1.875" / 47.630mm	3.160" / 80.260mm	3.165" / 80.390mm	0.695" / 17.650mm	Polyacrylate	72							
9339S	3.500" / 88.900mm	4.450" / 113.030mm	4.455" / 113.160mm	0.525" / 13.340mm	Nitrile	278							
9344S	1.375" / 34.930mm	4.572" / 116.130mm	4.582" / 116.380mm	0.259" / 6.580mm	Nitrile	54							
9363S	1.500" / 38.100mm	2.260" / 57.400mm	2.264" / 57.510mm	0.405" / 10.290mm	Nitrile	41							
9376	1.055" / 26.800mm	1.500" / 38.100mm	1.504" / 38.200mm	0.268" / 6.810mm	Nitrile	68							
9406S	2.000" / 50.800mm	2.625" / 66.680mm	2.629" / 66.780mm	0.285" / 7.240mm	Nitrile	279							
9449	1.887" / 47.930mm	2.700" / 68.580mm	2.704" / 68.680mm	0.582" / 14.780mm	Nitrile	74							
9487	1.187" / 30.150mm	1.716" / 43.590mm	1.720" / 43.690mm	0.248" / 6.300mm	Nitrile	68							
9555S	9.500" / 241.300mm	12.499" / 317.470mm	12.509" / 317.730mm	0.687" / 17.450mm	Nitrile	74							
9568	1.365" / 34.670mm	2.374" / 60.300mm	2.379" / 60.430mm	0.435" / 11.050mm	Nitrile	48							
9569S	1.365" / 34.670mm	2.259" / 57.380mm	2.264" / 57.510mm	0.435" / 11.050mm	Nitrile	99							
9584	3.562" / 90.470mm	4.755" / 120.780mm	4.761" / 120.930mm	0.550" / 13.970mm	Nitrile	74							
9599S	2.125" / 53.980mm	2.878" / 73.100mm	2.884" / 73.250mm	0.437" / 11.100mm	Nitrile	47							
95X110X10	3.740" / 95.000mm	4.331" / 110.000mm	4.339" / 110.200mm	0.394" / 10.000mm	Nitrile	32							

# Bearings by part number

Ball Bearing							Ball Bearing (Cont.)						
Part Number	Bore	Outside Diameter	Width	Series	Design	Type	Part Number	Bore	Outside Diameter	Width	Series	Design	Type
100-CC4	0.394" / 10.000mm	1.024" / 26.000mm	0.315" / 8.000mm	100	Single Row Radial	A-5	1211	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-1
100-CCB	0.394" / 10.000mm	1.024" / 26.000mm	0.512" / 13.000mm	100	Single Row Radial	A-5	1211-L	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-4
101-SS	0.472" / 12.000mm	1.102" / 28.000mm	0.315" / 8.000mm	100	Single Row Radial	A-3	1211-SL	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	1200	Single Row Radial	B-5
102-CC	0.591" / 15.000mm	1.260" / 32.000mm	0.354" / 9.000mm	100	Single Row Radial	A-3	1212-L	2.362" / 60.000mm	4.331" / 110.000mm	0.866" / 22.000mm	1200	Single Row Radial	B-4
102-SS	0.591" / 15.000mm	1.260" / 32.000mm	0.354" / 9.000mm	100	Single Row Radial	A-3	1212-SL	2.362" / 60.000mm	4.331" / 110.000mm	0.866" / 22.000mm	1200	Single Row Radial	B-5
103-CC	0.669" / 17.000mm	1.378" / 35.000mm	0.394" / 10.000mm	100	Single Row Radial	A-5	1212-SLV	2.362" / 60.000mm	4.331" / 110.000mm	0.866" / 22.000mm	SPECIAL	Single Row Radial	B-5
104	0.787" / 20.000mm	1.654" / 42.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	1213-L	2.559" / 65.000mm	4.724" / 120.000mm	0.906" / 23.000mm	1200	Single Row Radial	B-4
104-CC	0.787" / 20.000mm	1.654" / 42.000mm	0.472" / 12.000mm	100	Single Row Radial	A-5	1213-SL	2.559" / 65.000mm	4.724" / 120.000mm	0.906" / 23.000mm	1200	Single Row Radial	B-5
105	0.984" / 25.000mm	1.850" / 47.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	1214-SL	2.756" / 70.000mm	4.921" / 125.000mm	0.945" / 24.000mm	1200	Single Row Radial	B-5
105-CC	0.984" / 25.000mm	1.850" / 47.000mm	0.472" / 12.000mm	100	Single Row Radial	A-1	1304	0.787" / 20.000mm	2.047" / 52.000mm	0.591" / 15.000mm	1300	Single Row Radial	B-1
106	1.181" / 30.000mm	2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-1	1306	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	1300	Single Row Radial	B-1
106-CC	1.181" / 30.000mm	2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-5	1307	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	1300	Single Row Radial	B-1
106-FL	1.181" / 30.000mm	2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial		1307-L	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	1300	Single Row Radial	B-4
106L	1.181" / 30.000mm	2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-1	1308	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-1
106-SS	1.181" / 30.000mm	2.165" / 55.000mm	0.512" / 13.000mm	100	Single Row Radial	A-3	1308-L	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-4
107	1.378" / 35.000mm	2.441" / 62.000mm	0.551" / 14.000mm	100	Single Row Radial	A-1	1308-SL	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	1300	Single Row Radial	B-5
107-DD	1.378" / 35.000mm	2.441" / 62.000mm	0.551" / 14.000mm	100	Single Row Radial	A-7	1309-L	1.772" / 45.000mm	3.937" / 100.000mm	0.984" / 25.000mm	1300	Single Row Radial	B-4
108	1.575" / 40.000mm	2.677" / 68.000mm	0.591" / 15.000mm	100	Single Row Radial	A-1	1309-SL	1.772" / 45.000mm	3.937" / 100.000mm	0.984" / 25.000mm	1300	Single Row Radial	B-5
108-FFN	1.575" / 40.000mm	2.677" / 68.000mm	0.591" / 15.000mm	100	Single Row Radial	A-9	1310	1.969" / 50.000mm	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-1
108-SSA	1.437" / 36.500mm	2.677" / 68.000mm	0.591" / 15.000mm	SPECIAL	Single Row Radial	A-3	1310-L	1.969" / 50.000mm	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-4
109	1.772" / 45.000mm	2.953" / 75.000mm	0.630" / 16.000mm	100	Single Row Radial	A-1	1310-SL	1.969" / 50.000mm	4.331" / 110.000mm	1.063" / 27.000mm	1300	Single Row Radial	B-5
109-FFL	1.772" / 45.000mm	2.953" / 75.000mm	0.630" / 16.000mm	300	Single Row Radial		1310-SVL	1.969" / 50.000mm	4.331" / 110.000mm	1.063" / 27.000mm	SPECIAL	Single Row Radial	
110	1.969" / 50.000mm	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-1	1311-L	2.165" / 55.000mm	4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-4
110-CC	1.969" / 50.000mm	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-5	1311-S	2.165" / 55.000mm	4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-2
110-L	1.969" / 50.000mm	3.150" / 80.000mm	0.630" / 16.000mm	100	Single Row Radial	A-10	1311-SL	2.165" / 55.000mm	4.724" / 120.000mm	1.142" / 29.000mm	1300	Single Row Radial	B-5
111	2.165" / 55.000mm	3.543" / 90.000mm	0.709" / 18.000mm	100	Single Row Radial	A-1	1412-L	2.362" / 60.000mm	5.906" / 150.000mm	1.378" / 35.000mm	1400	Single Row Radial	B-4
111-G	2.165" / 55.000mm	3.543" / 90.000mm	0.709" / 18.000mm	100	Single Row Radial		200	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-1
118-L	3.543" / 90.000mm	5.512" / 140.000mm	0.945" / 24.000mm	100	Single Row Radial	A-10	200-C	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-4
1206	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	1200	Single Row Radial	B-1	200-CC	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-5
1207	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	1200	Single Row Radial	B-1	200-S	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-2
1207-L	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	1200	Single Row Radial	B-4	200-SL	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-11
1208-L	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	1200	Single Row Radial	B-4	200-SS	0.394" / 10.000mm	1.181" / 30.000mm	0.354" / 9.000mm	200	Single Row Radial	A-3
1209-A	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	1200	Single Row Radial	B-1	201	0.472" / 12.000mm	1.260" / 32.000mm	0.394" / 10.000mm	200	Single Row Radial	A-1
1210-L	1.969" / 50.000mm	3.543" / 90.000mm	0.787" / 20.000mm	1200	Single Row Radial	B-4	201-CC	0.472" / 12.000mm	1.260" / 32.000mm	0.394" / 10.000mm	200	Single Row Radial	A-5

## Bearings by part number

Ball Bearing (Cont.)							Ball Bearing (Cont.)						
Part Number	Bore	Outside Diameter	Width	Series	Design	Type	Part Number	Bore	Outside Diameter	Width	Series	Design	Type
201-S	0.472" / 12.000mm	1.260" / 32.000mm	0.394" / 10.000mm	200	Single Row Radial	A-2	204-S	0.787" / 20.000mm	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-2
201-SS	0.472" / 12.000mm	1.260" / 32.000mm	0.394" / 10.000mm	200	Single Row Radial	A-3	204-SS	0.787" / 20.000mm	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-3
202	0.591" / 15.000mm	1.378" / 35.000mm	0.433" / 11.000mm	200	Single Row Radial	A-1	205	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-1
202-CC1	0.625" / 15.875mm	1.378" / 35.000mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-5	205-F	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-8
202-CC16	0.630" / 16.000mm	1.378" / 35.000mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-5	205-FF	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-9
202-FF	0.591" / 15.000mm	1.378" / 35.000mm	0.433" / 11.000mm	200	Single Row Radial	A-9	205-L	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-10
202-FFB	0.625" / 15.875mm	1.375" / 34.925mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-9	205-RHN	0.750" / 19.050mm	2.047" / 52.000mm	0.700" / 17.780mm	AGSPEC	Single Row Radial	A-4
202-FFH8	0.500" / 12.700mm	1.532" / 38.913mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-9	205-RRAN	0.751" / 19.075mm	2.047" / 52.000mm	0.833" / 21.158mm	AGSPEC	Single Row Radial	A-5
202-FFLB	0.625" / 15.875mm	1.375" / 34.925mm	0.433" / 11.000mm	AGSPEC	Single Row Radial	A-9	205-RVA	0.751" / 19.075mm	2.047" / 52.000mm	0.833" / 21.158mm	AGSPEC	Single Row Radial	A-5
202-FRE	0.591" / 15.000mm	1.378" / 35.000mm	0.879" / 22.330mm	AGSPEC	Single Row Radial	A-9	205-S	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-2
202-S	0.591" / 15.000mm	1.378" / 35.000mm	0.433" / 11.000mm	200	Single Row Radial	A-2	205-SS	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-3
202-SS	0.591" / 15.000mm	1.378" / 35.000mm	0.433" / 11.000mm	200	Single Row Radial	A-3	205-SSL	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-12
203	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-1	205-TTB	0.751" / 19.080mm	2.047" / 52.000mm	1.375" / 34.930mm	AGSPEC	Single Row Radial	A-9
203-F	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-8	205-TTH	0.937" / 23.810mm	2.047" / 52.000mm	1.375" / 34.930mm	AGSPEC	Single Row Radial	A-9
203-FF	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-9	205-VV	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	200	Single Row Radial	A-2
203-FF5	0.460" / 11.684mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-9	206	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-1
203-FFW	0.669" / 17.000mm	1.575" / 40.000mm	0.787" / 20.000mm	200	Single Row Radial	A-9	206-F	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-8
203-RR12	0.750" / 19.050mm	1.575" / 40.000mm	0.472" / 12.000mm	AGSPEC	Single Row Radial	A-5	206-FF	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-9
203-RRAR10	0.635" / 16.129mm	1.575" / 40.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	206-GGH	0.751" / 19.080mm	2.441" / 62.000mm	0.945" / 24.000mm	AGSPEC	Single Row Radial	A-9
203-RRAR10N2	0.640" / 16.256mm	1.575" / 40.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	206-L	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-10
203-RRAR8	0.515" / 13.081mm	1.575" / 40.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	206-S	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-2
203-RRH10	0.635" / 16.129mm	1.850" / 47.000mm	0.720" / 18.288mm	AGSPEC	Single Row Radial	A-5	206-SS	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-3
203-S	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-2	206-VV	1.181" / 30.000mm	2.441" / 62.000mm	0.630" / 16.000mm	200	Single Row Radial	A-1
203-SS	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-3	207	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-1
203-SSL	0.669" / 17.000mm	1.575" / 40.000mm	0.472" / 12.000mm	200	Single Row Radial	A-12	207-F	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-8
204	0.787" / 20.000mm	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-1	207-FF	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-9
204-BAR	0.750" / 19.050mm	1.781" / 45.225mm	0.610" / 15.494mm	AGSPEC	Single Row Radial	A-4	207-L	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-10
204-BBAR	0.750" / 19.050mm	1.781" / 45.225mm	0.610" / 15.494mm	AGSPEC	Single Row Radial	A-5	207-S	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-2
204-BBE	0.626" / 15.900mm	1.781" / 45.225mm	0.610" / 15.494mm	AGSPEC	Single Row Radial	A-5	207-SL	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-11
204-F	0.787" / 20.000mm	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-8	207-SS	1.378" / 35.000mm	2.835" / 72.000mm	0.669" / 17.000mm	200	Single Row Radial	A-3
204-FF	0.787" / 20.000mm	1.850" / 47.000mm	0.551" / 14.000mm	200	Single Row Radial	A-9	208	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-1
204-FGB	0.626" / 15.900mm	1.850" / 47.000mm	0.686" / 17.424mm	AGSPEC	Single Row Radial	A-5	208-F	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-8
204-FREN	0.631" / 16.030mm	1.780" / 45.220mm	0.735" / 18.670mm	AGSPEC	Single Row Radial	A-9	208-FF	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-9
204-FRK	0.626" / 15.900mm	1.850" / 47.000mm	0.689" / 17.501mm	AGSPEC	Single Row Radial	A-5	208-L	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-10

# Bearings by part number

Ball Bearing (Cont.)							Ball Bearing (Cont.)						
Part Number	Bore	Outside Diameter	Width	Series	Design	Type	Part Number	Bore	Outside Diameter	Width	Series	Design	Type
208-LO	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-10	304-DD	0.787" / 20.000mm	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-7
208-S	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-2	304-S	0.787" / 20.000mm	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-2
208-SL	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-11	304-SS	0.787" / 20.000mm	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-3
208-SS	1.575" / 40.000mm	3.150" / 80.000mm	0.709" / 18.000mm	200	Single Row Radial	A-3	305	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-1
209	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-1	305-D	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-6
209-DD	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-7	305-DD	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-7
209-L	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-10	305-L	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-10
209-LO	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-10	305-S	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-2
209-S	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-2	305-SS	0.984" / 25.000mm	2.441" / 62.000mm	0.669" / 17.000mm	300	Single Row Radial	A-3
209-SLV	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-11	306	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-1
209-SS	1.772" / 45.000mm	3.347" / 85.000mm	0.748" / 19.000mm	200	Single Row Radial	A-3	306-F	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-8
210	1.969" / 50.000mm	3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-1	306-FF	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-9
210-CC	1.969" / 50.000mm	3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-5	306-L	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-10
210-L	1.969" / 50.000mm	3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-10	306-LO	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-10
210-SS	1.969" / 50.000mm	3.543" / 90.000mm	0.787" / 20.000mm	200	Single Row Radial	A-3	306-S	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-2
211	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-1	306-SLV	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-11
211-B	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-1	306-SS	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-3
211-SL	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-11	306-SSL	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	A-12
211-SS	2.165" / 55.000mm	3.937" / 100.000mm	0.827" / 21.000mm	200	Single Row Radial	A-3	306-VV	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	
212	2.362" / 60.000mm	4.331" / 110.000mm	0.866" / 22.000mm	200	Single Row Radial	A-1	306-VVL	1.181" / 30.000mm	2.835" / 72.000mm	0.748" / 19.000mm	300	Single Row Radial	
212-SLV	2.362" / 60.000mm	4.331" / 110.000mm	0.866" / 22.000mm	200	Single Row Radial	A-11	307	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-1
213	2.559" / 65.000mm	4.724" / 120.000mm	0.906" / 23.000mm	200	Single Row Radial	A-1	307-FF	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-9
214-LH	2.756" / 70.000mm	4.921" / 125.000mm	0.945" / 24.000mm	SPECIAL	Single Row Radial	A-10	307-FFL5	1.378" / 35.000mm	3.150" / 80.000mm	0.906" / 23.000mm	300	Single Row Radial	
214-SL	2.756" / 70.000mm	4.921" / 125.000mm	0.945" / 24.000mm	200	Single Row Radial	A-11	307-L	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-10
301-SS	0.472" / 12.000mm	1.457" / 37.000mm	0.472" / 12.000mm	300	Single Row Radial	A-3	307-S	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-2
302	0.591" / 15.000mm	1.654" / 42.000mm	0.512" / 13.000mm	300	Single Row Radial	A-1	307-SS	1.378" / 35.000mm	3.150" / 80.000mm	0.827" / 21.000mm	300	Single Row Radial	A-3
302-CC	0.591" / 15.000mm	1.654" / 42.000mm	0.512" / 13.000mm	300	Single Row Radial	A-5	308	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-1
302-S	0.591" / 15.000mm	1.654" / 42.000mm	0.512" / 13.000mm	300	Single Row Radial	A-2	308-FF	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-9
302-SS	0.591" / 15.000mm	1.654" / 42.000mm	0.512" / 13.000mm	300	Single Row Radial	A-3	308-L	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-10
303	0.669" / 17.000mm	1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-1	308-L1	1.575" / 40.000mm	3.543" / 90.000mm	0.787" / 20.000mm	SPECIAL	Single Row Radial	A-10
303-CC	0.669" / 17.000mm	1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-5	308-L4	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	SPECIAL	Single Row Radial	A-10
303-S	0.669" / 17.000mm	1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-2	308-SS	1.575" / 40.000mm	3.543" / 90.000mm	0.906" / 23.000mm	300	Single Row Radial	A-3
303-SS	0.669" / 17.000mm	1.850" / 47.000mm	0.551" / 14.000mm	300	Single Row Radial	A-3	309	1.772" / 45.000mm	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-1
304	0.787" / 20.000mm	2.047" / 52.000mm	0.591" / 15.000mm	300	Single Row Radial	A-1	309-DD	1.772" / 45.000mm	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-7

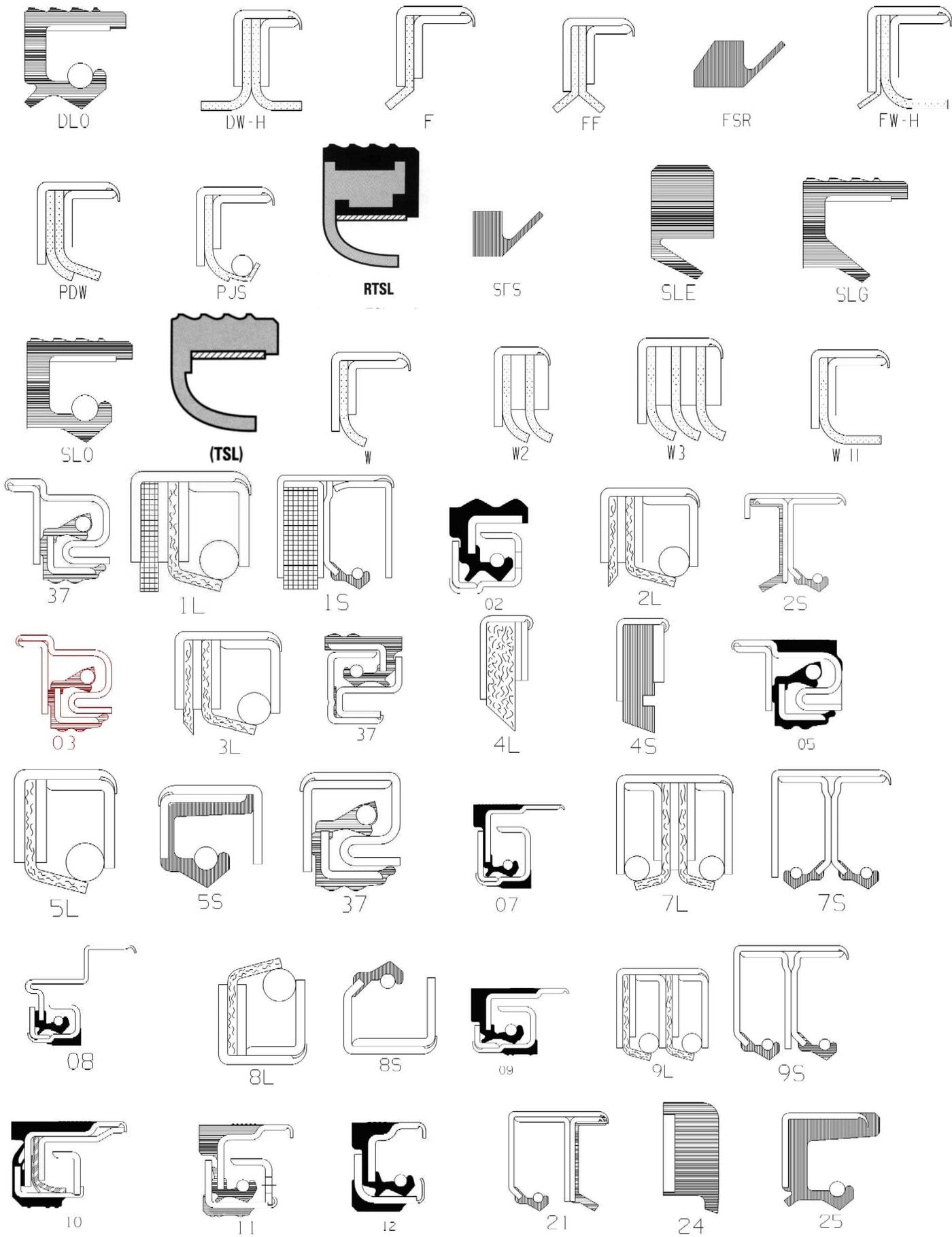
# Bearings by part number

Ball Bearing (Cont.)							Ball Bearing (Cont.)						
Part Number	Bore	Outside Diameter	Width	Series	Design	Type	Part Number	Bore	Outside Diameter	Width	Series	Design	Type
309-SS	1.772" / 45.000mm	3.937" / 100.000mm	0.984" / 25.000mm	300	Single Row Radial	A-3	5310-WL	1.969" / 50.000mm	4.331" / 110.000mm	1.750" /	5300	Double Row Angular Contact	D-4
310	1.969" / 50.000mm	4.331" / 110.000mm	1.063" / 27.000mm	300	Single Row Radial	A-1	5310-WLB	1.772" / 45.000mm	4.331" / 110.000mm	1.750" /	SPECIAL	Double Row Angular Contact	D-4
311	2.165" / 55.000mm	4.724" / 120.000mm	1.142" / 29.000mm	300	Single Row Radial	A-1	7109	0.591" / 15.000mm	1.378" / 35.000mm	0.354" / 9.000mm	SPECIAL	Single Row Angular Contact	A-1
311-SL	2.165" / 55.000mm	4.724" / 120.000mm	1.142" / 29.000mm	300	Single Row Radial	A-11	7119-TL	3.740" / 95.001mm	5.819" / 147.777mm	0.945" / 24.000mm	SPECIAL	Single Row Angular Contact	A-1
312	2.362" / 60.000mm	5.118" / 130.000mm	1.221" / 31.000mm	300	Single Row Radial	A-1	7205	0.984" / 25.000mm	2.047" / 52.000mm	0.591" / 15.000mm	7200	Single Row Angular Contact	C-1
313-A	2.362" / 60.000mm	5.512" / 140.000mm	1.299" / 33.000mm	300	Single Row Radial	A-1	8016	0.630" / 16.000mm	1.378" / 35.000mm	0.500" / 12.700mm	8000	Non Loading Groove Type	A-4
36-SS	0.236" / 6.000mm	0.748" / 19.000mm	0.236" / 6.000mm	30	Single Row Radial	A-3	8445	2.187" / 55.550mm	4.724" / 120.000mm	2.187" / 55.550mm	SPECIAL	Non Loading Groove Type	A-5
37-SS	0.276" / 7.000mm	0.866" / 22.000mm	0.276" / 7.000mm	30	Single Row Radial	A-3	8505	0.984" / 25.000mm	2.047" / 52.000mm	0.625" / 15.880mm	8000	Non Loading Groove Type	M-4
38	0.315" / 8.000mm	0.866" / 22.000mm	0.276" / 7.000mm	30	Single Row Radial	A-1	8506	1.181" / 30.000mm	2.441" / 62.000mm	0.787" / 20.000mm	8000	Non Loading Groove Type	A-4
38-CC	0.315" / 8.000mm	0.866" / 22.000mm	0.276" / 7.000mm	30	Single Row Radial	A-5	8604	0.787" / 20.000mm	2.047" / 52.000mm	0.748" / 19.000mm	8000	Non Loading Groove Type	A-4
38-S	0.315" / 8.000mm	0.866" / 22.000mm	0.276" / 7.000mm	30	Single Row Radial	A-2	87016	0.630" / 16.000mm	1.378" / 35.000mm	0.500" / 12.700mm	87000	Non Loading Groove Type	A-3
38-SS	0.315" / 8.000mm	0.866" / 22.000mm	0.276" / 7.000mm	30	Single Row Radial	A-3	87502	0.591" / 15.000mm	1.378" / 35.000mm	0.500" / 12.700mm	87000	Non Loading Groove Type	A-3
39-SS	0.354" / 9.000mm	1.024" / 26.000mm	0.315" / 8.000mm	30	Single Row Radial	A-3	87503-A	0.669" / 17.000mm	1.575" / 40.000mm	0.563" / 14.290mm	87000	Non Loading Groove Type	A-3
5000-KFF	1.575" / 40.000mm	2.441" / 62.000mm	0.945" / 24.000mm	SPECIAL	Double Row Angular Contact		88107-BVV	1.378" / 35.000mm	2.835" / 72.000mm	0.984" / 25.000mm	AGSPEC	Non Loading Groove Type	F-7
5001-KFF	1.575" / 40.000mm	2.441" / 62.000mm	0.945" / 24.000mm	SPECIAL	Double Row Angular Contact		88208-AL	1.575" / 40.000mm	0.945" / 24.000mm	0.945" / 24.000mm	88200	Non Loading Groove Type	
5106-WCC	1.181" / 30.000mm	2.165" / 55.000mm	0.906" / 23.020mm	SPECIAL	Double Row Angular Contact	D-3	88500	0.394" / 10.000mm	1.181" / 30.000mm	0.646" / 16.400mm	88000	Non Loading Groove Type	A-5
5204-KE	0.787" / 20.000mm	1.850" / 47.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		88501	0.472" / 12.000mm	1.260" / 32.000mm	0.606" / 15.400mm	88000	Non Loading Groove Type	A-5
5204-KZZE	0.787" / 20.000mm	1.850" / 47.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		88503	0.669" / 17.000mm	1.575" / 40.000mm	0.654" / 16.600mm	88000	Non Loading Groove Type	A-5
5205-KE	0.984" / 25.000mm	2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		88504	0.787" / 20.000mm	1.850" / 47.000mm	0.699" / 17.750mm	88000	Non Loading Groove Type	A-5
5205-KSSE	0.984" / 25.000mm	2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		88506	1.181" / 30.000mm	2.441" / 62.000mm	0.945" / 24.000mm	88000	Non Loading Groove Type	A-5
5205-KZZE	0.984" / 25.000mm	2.047" / 52.000mm	0.813" / 20.638mm	5200	Double Row Angular Contact		88508	1.575" / 40.000mm	3.150" / 80.000mm	1.063" / 27.000mm	88000	Non Loading Groove Type	A-5
5206-DD	1.181" / 30.000mm	2.441" / 62.000mm	1.063" / 26.988mm	5200	Double Row Angular Contact	D-3	8980-DD	0.625" / 15.875mm	1.575" / 40.000mm	0.472" / 11.999mm	AGSPEC	Single Row Radial	A-7
5206-KE	1.181" / 30.000mm	2.441" / 62.000mm	0.938" / 23.813mm	5200	Double Row Angular Contact		8984-YY	0.628" / 15.944mm	2.000" / 50.800mm	0.596" / 15.138mm	AGSPEC	Single Row Radial	A-7
5206-KZZE	1.181" / 30.000mm	2.441" / 62.000mm	0.938" / 23.813mm	5200	Double Row Angular Contact		907257	1.574" / 39.987mm	2.441" / 62.004mm	0.812" / 20.625mm	SPECIAL	Double Row Angular Contact	D-3
5211-W	2.165" / 55.001mm	3.937" / 100.000mm	1.313" / 33.338mm	5200	Double Row Angular Contact	D-1	9122-KML	4.331" / 110.000mm	6.693" / 170.000mm	1.102" / 28.000mm	SPECIAL	Single Row Radial	A-1
5212-KZZE	2.362" / 60.000mm	4.331" / 110.000mm	1.438" /	5200	Double Row Angular Contact		9308-KL	1.575" / 40.000mm	3.780" / 96.000mm	0.906" / 23.000mm	SPECIAL	Single Row Radial	A-1
5304-KSSE	0.787" / 20.000mm	2.047" / 52.000mm	0.875" /	5300	Double Row Angular Contact		A3L-0801-H	0.516" / 13.106mm	2.750" / 69.850mm	1.500" / 38.100mm			
5309-KE	1.772" / 45.000mm	3.937" / 100.000mm	1.563" /	5300	Double Row Angular Contact		E-15	0.591" / 15.000mm	1.378" / 35.000mm	0.316" / 8.016mm	AGSPEC		A-1
							M-303	4.331" / 110.000mm	6.000" / 152.400mm	0.750" / 19.050mm	SPECIAL		A-2
							N-106-1	1.181" / 30.000mm	2.165" / 55.000mm	0.354" / 9.000mm	100	Single Row Radial	
							N-1211-L	2.165" / 55.000mm	3.937" / 100.000mm	0.680" / 17.272mm	SPECIAL	Single Row Radial	B-4

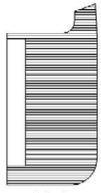
## Bearings by part number

Ball Bearing (Cont.)							Ball Bearing (Cont.)						
Part Number	Bore	Outside Diameter	Width	Series	Design	Type	Part Number	Bore	Outside Diameter	Width	Series	Design	Type
N-309-L	1.772" / 45.001mm	3.937" / 100.000mm	0.827" / 21.001mm	SPECIAL	Single Row Radial	A-10	S-205-FF	0.984" / 24.991mm	2.047" / 52.000mm	0.591" / 15.000mm	SPECBR	Single Row Radial	A-9
N-5210-KLB	1.969" / 50.000mm	3.150" / 80.000mm	0.937" / 23.800mm	5200	Double Row Angular Contact		W-204-CC	0.787" / 20.000mm	1.850" / 47.000mm	0.813" / 20.638mm	W200	Single Row Deep Groove	A-13
PB-50-G	0.986" / 25.044mm	1.852" / 47.041mm	0.584" / 14.834mm	CPB			W-306-FF	1.181" / 30.000mm	2.835" / 72.000mm	1.188" / 30.163mm	W300	Single Row Deep Groove	A-9
R-10-CC	0.625" / 15.875mm	1.375" / 34.925mm	0.344" / 8.733mm	R	Single Row Radial	A-5	W-309-CC	1.772" / 45.001mm	3.937" / 100.000mm	1.563" / 39.688mm	W300	Single Row Deep Groove	A-13
R-10-SS	0.625" / 15.875mm	1.375" / 34.925mm	0.344" / 8.733mm	R	Single Row Radial	A-3	XLS-3-1/2-AG	3.500" / 88.900mm	5.000" / 127.000mm	0.750" / 19.050mm	XLS	Single Row Radial	A-1
R-12-SS	0.750" / 19.050mm	1.625" / 41.275mm	0.438" / 11.113mm	R	Single Row Radial	A-3	XLS-3-1/4-FFA	3.250" / 82.550mm	4.750" / 120.650mm	1.000" / 25.400mm	XLS	Single Row Radial	A-9
R-14-SS	0.875" / 22.225mm	1.875" / 47.625mm	0.500" / 12.700mm	R	Single Row Radial	A-3	XLS-3-3/4-G	3.750" / 95.250mm	5.250" / 133.350mm	0.750" / 19.050mm	XLS	Single Row Radial	A-1
R-16-SS	1.000" / 25.400mm	2.000" / 50.800mm	0.500" / 12.700mm	R	Single Row Radial	A-3	XLS-4-1/2-G	4.500" / 114.300mm	6.249" / 158.725mm	0.875" / 22.225mm	XLS	Single Row Radial	A-1
R-4-SS	0.250" / 6.350mm	0.625" / 15.875mm	0.196" / 4.978mm	R	Single Row Radial	A-3	XLS-4-3/4	4.750" / 120.650mm	6.500" / 165.100mm	0.875" / 22.225mm	XLS	Single Row Radial	A-1
R-6-CC	0.375" / 9.525mm	0.875" / 22.225mm	0.281" / 7.142mm	R	Single Row Radial	A-5	XLS-5	5.000" / 127.000mm	6.999" / 177.775mm	1.000" / 25.400mm	XLS	Single Row Radial	A-1
R-6-SS	0.375" / 9.525mm	0.875" / 22.225mm	0.281" / 7.142mm	R	Single Row Radial	A-3	XLS-5-1/2	5.500" / 139.700mm	7.500" / 190.500mm	1.000" / 25.400mm	XLS	Single Row Radial	A-1
R-8-CC	0.500" / 12.700mm	1.125" / 28.575mm	0.313" / 7.938mm	R	Single Row Radial	A-5	XLS-5-1/8-AS	5.118" / 130.000mm	7.087" / 180.000mm	0.945" / 24.000mm	XLS	Single Row Radial	A-1
R-8-SS	0.500" / 12.700mm	1.125" / 28.575mm	0.313" / 7.938mm	R	Single Row Radial	A-3							

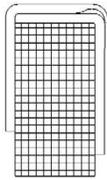
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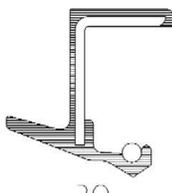
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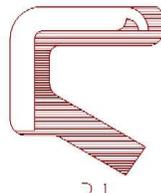
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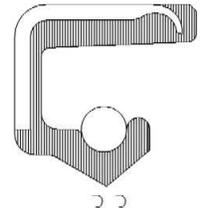
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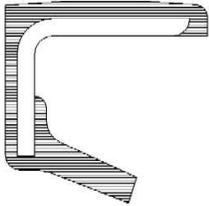
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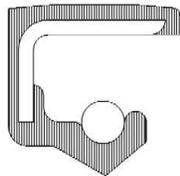
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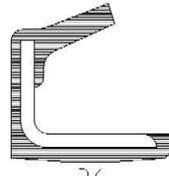
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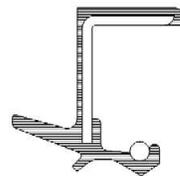
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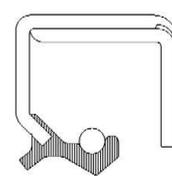
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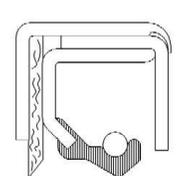
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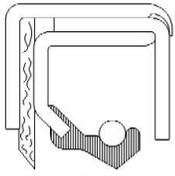
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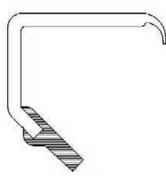
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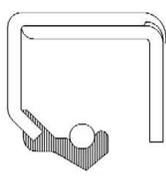
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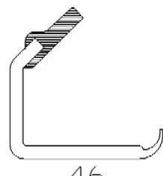
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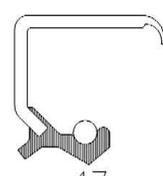
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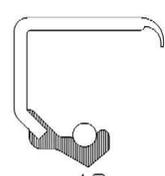
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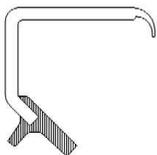
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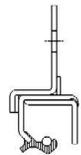
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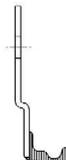
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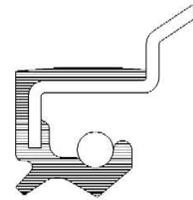
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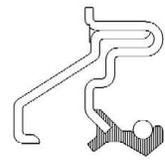
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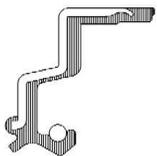
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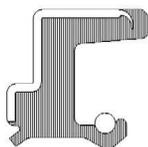
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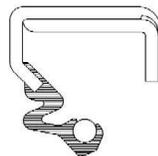
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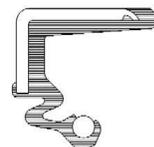
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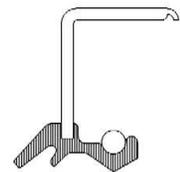
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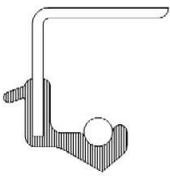
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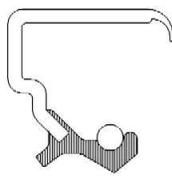
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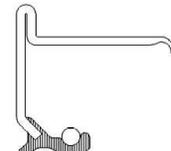
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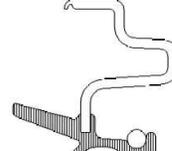
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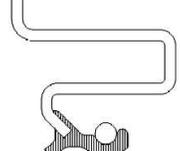
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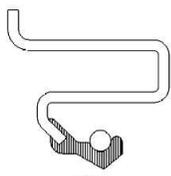
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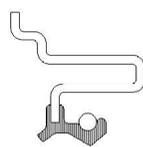
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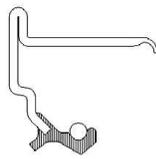
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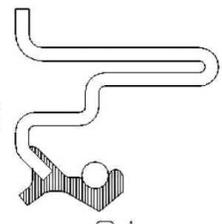
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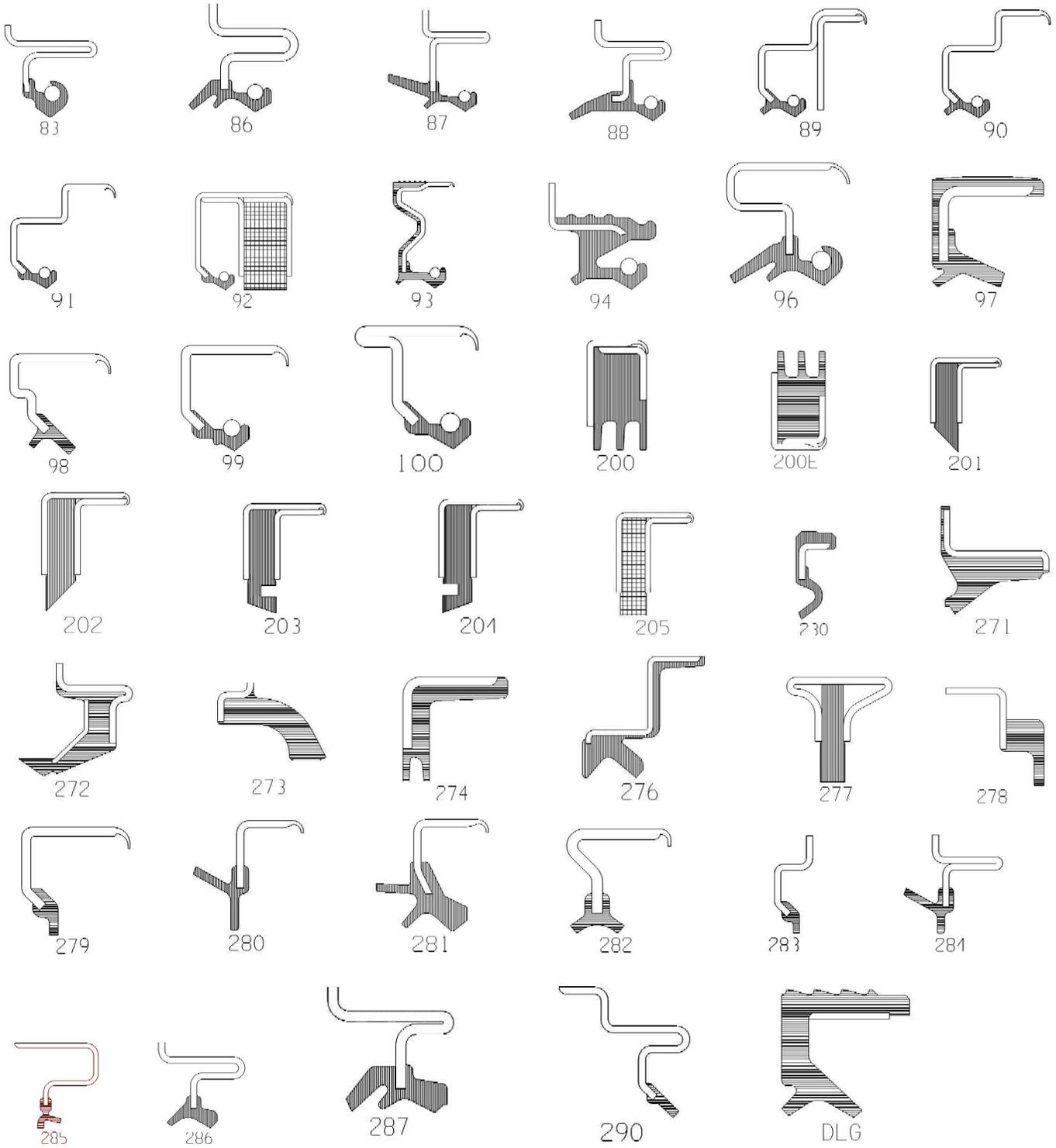


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# Seal Type Reference



# National<sup>®</sup> Bearings — Premium Performance You Can Trust!

Premium quality bearings from National<sup>®</sup> utilize a technologically advanced manufacturing process that provides superior performance and longer life. National Bearings are designed to meet or exceed OE quality. It starts with the highest quality bearing steel — the quality you've come to expect from the leader in wheel end technology. Combine that with exacting standards and precision design requirements and you have a premium product that is unsurpassed in the aftermarket. National Bearings are manufactured using the same state-of-the-art processes and equipment used for production of OE anti-friction bearings.

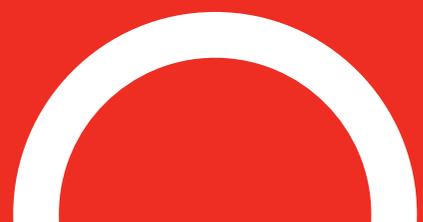


- A Superior Dimensional and Surface Finish**
  - Low vibration for longer life
- B Crowned Raceways and Rollers**
  - Even load distribution for maximum life
  - Precision matched rolling elements
- C Advanced Heat Treatment Process**
  - Ensures consistent and continuous quality control
- D Premium Quality Steel**
  - Allows for greater precision machining and high strength



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Oil Seals & Bearings