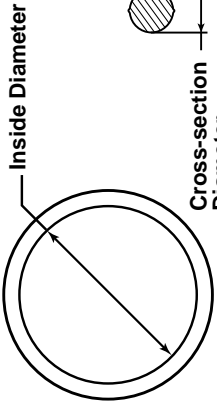


# SEALS

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## O-Ring

- Meet or exceed industry standards.
- Available in SAE A5568 (Dash) sizes as well as custom sizes used on Cat equipment.
- Available for different fluids, temperatures and pressures.
- Consistently meet stringent dimensional tolerances.
- Offer superior resistance to seal compression set for leak free performance.

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
1.000	6.000			107-7642									
1.020	10.030									6V-3693			
1.090	45.000				6V-1556								
1.090	64.060				6V-1555								
1.170	10.410			189-3769									
1.350	11.630								1P-8116				
1.400	6.700								085-8219				
1.400	25.630				9X-7430								
1.420	3.990			5P-9262									
1.420	4.470					9X-7379			5P-6458				
1.420	4.700	901							7M-0105			3S-2912	
1.500	4.500									3E-4288			
1.500	5.000			8C-3131									
1.500	6.500								8U-1766	3E-4289			
1.500	7.500								177-2645				
1.500	8.000									3E-4296			
1.500	8.200				8C-3076					8T-7876			
1.500	8.500			192-7111									
1.500	9.000								123-2341				
1.500	9.500								147-4214				
1.500	10.000			8U-5942						3E-4297			
1.500	11.500								7I-2750				
1.500	12.000			9X-7377									
1.500	13.500								4I-0754				
1.500	17.000				8C-3106								
1.500	17.500								112-0034				

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
1.500	19.500								122-7776				
1.500	52.000		175-0054										
1.570	12.700								5D-0834				
1.570	15.880								4M-6582				
1.570	31.040						2M-8663						
1.590	10.720								8M-8544				
1.590	12.700		2T-2893										
1.600	3.200		192-7110						146-6730				
1.600	9.500						2T-2677						
1.600	12.100			107-7640									
1.600	12.500			8C-3133									
1.600	13.100								8C-3097				
1.600	14.000		8C-3132										
1.600	25.100								8C-3102				
1.600	27.100								8C-3101				
1.600	29.100									186-0128			
1.630	6.070	902	8T-9587	5P-7812	109-9685	109-0093				4J-7533			
1.630	6.070	902		163-4565									
1.630	7.650	903	8K-0001	5P-7813	108-5803					7J-0204	1N-6001		
1.650	14.500				8C-3082								
1.780	1.780	004								085-7537			
1.780	2.570	005	8C-3095										
1.780	2.900	006							6H-9691				
1.780	3.650	007	6V-3685			150-4651			3H-0442				
1.780	4.470	008							8F-7219			8M-8468	8T-2360
1.780	4.470	008								2Y-2271			
1.780	5.280	009							6V-5722				
1.780	6.070	010	9N-1756		107-3116				8F-9538	3G-1209		8M-5250	8T-2361
1.780	6.400								2D-6392	6V-5586		3L-6768	1P-7363
1.780	7.650	011								147-6603			
1.780	7.650	011	061-7538		9X-7680	9X-7380			5F-9144	3E-6760			
1.780	7.650	011								8C-3085			
1.780	7.650	011								4J-5477			
1.780	9.250	012	6D-7128	5P-8942	153-4907				1H-1023	161-6154		5H-8853	
1.780	9.250	012	8L-2779	8L-2779	033-6039					6V-8397			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
1.780	10.820	013		033-5879	9X-7409	9X-7381			6M-5062	095-1750		7X-4800	126-6514
1.780	10.820	013			3E-6780								
1.780	12.420	014	180-8424	033-6033	6V-5758	9X-7408			4K-2039	161-6149			126-6515
1.780	12.420	014								6V-8398			
1.780	13.340					117-2983			008-5593				
1.780	14.000	015			033-6043	9X-7382			5L-4758	095-1751		5P-6620	126-6516
1.780	15.600	016	6V-5138	8L-2746	6V-5142				4D-2297	8C-3086			
1.780	15.720			136-7226	152-2938					7J-9108			
1.780	17.170	017		2P-2975	135-2652	9X-7383			8T-6447	6V-8399			
1.780	17.170	017							1S-8947				
1.780	18.770	018		5P-9757	9X-7681				8M-8997	9X-7454			
1.780	18.770	018								8C-3087			
1.780	18.940									6V-9746			
1.780	20.340	019							2Y-2272				
1.780	20.350	019		033-6044	5E-9816					6V-6580			
1.780	21.950	020		5P-5599					030-4605	8J-2413			061-8341
1.780	23.520	021		106-9586	8C-3093								
1.780	23.520	021							8C-3098	8C-3088			
1.780	23.660									5K-9090			
1.780	25.120	022		175-3135	8T-9529				5L-4759				
1.780	25.120	022		6V-9178									
1.780	26.700	023		033-6032	136-3377	9X-7384			077-3241	005-8592			
1.780	28.300	024		5P-5600					003-8137	4K-4986			
1.780	29.870	025		9X-7734					6V-0894	2Y-2347		5P-6436	
1.780	30.010									6V-8400			
1.780	31.470	026			8C-0563				8F-0212	085-7538			
1.780	33.050	027		5P-5601					5D-6539	8T-4827			
1.780	34.650	028		5P-9658	9X-7431				5D-6543	5K-5221		5P-4932	
1.780	37.820	029		7X-4782									
1.780	37.980												
1.780	41.000	030								8T-0315			
1.780	44.170	031		5E-8767					3J-9015	5K-6526			
1.780	47.350	032		5E-8768					3P-1979	5K-0227		5P-7914	
1.780	50.520	033							6V-0895	5K-0216		5P-8907	

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
1.780	53.700	034							5P-9939			3P-5859	
1.780	60.050	036							077-5843	095-1753			
1.780	63.220	037		7X-4745								3P-0815	
1.780	69.570	039								113-7820		2P-5820	
1.780	72.750	040								9J-5686			
1.780	75.920	041		6V-3865				032-9714					
1.780	78.560											5P-3114	
1.780	79.000							142-6218					
1.780	82.270	042		6V-5778				5P-2931					
1.780	88.620	043	8T-2944	8T-6717				5P-3881					
1.780	94.970	044		5E-8769				7X-9372					
1.780	101.320	045		6V-1320				7X-5494				8T-2572	
1.780	107.670	046								9X-7357			
1.780	120.370	048						8C-5237					
1.780	124.400			9X-7365									
1.780	126.720	049		3E-6799									
1.780	133.070	050		6V-1934						131-3716		5P-4969	
1.780	142.340											5P-9650	
1.780	193.370											9S-6929	
1.780	228.830											1S-7390	
1.780	271.830							6V-1919					
1.800	7.000									124-0623			
1.800	14.500			128-4004									
1.830	8.920	904	6V-9027	6V-5048	033-5853	9X-7378							
1.830	10.520	905		5P-7814	137-6667						7L-3348		
1.830	10.520	905			109-3206								
1.880	7.980												
1.900	2.800								095-1508				
1.900	3.800								095-1509	7Y-5280			
1.900	4.800								095-1510	095-1572			
1.900	5.800								3T-7528	095-1573			
1.900	6.800								095-1511	095-1574			
1.900	7.800			103-8254					095-1512	095-1575			
1.900	8.800								095-1513	095-1576			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
1.900	9.800				189-9763				095-1514	095-1578			
1.900	16.760											6V-6921	
1.980	11.890	906	6V-3250	6V-5049	033-6042					3J-1907	7L-6385		
1.980	11.890	906		109-2333	153-4906								
2.000	6.000			9X-4626						187-1979			
2.000	7.000												
2.000	7.500				8T-9528								
2.000	9.000			9X-4617									
2.000	9.500							8U-5928					
2.000	10.000			187-8567						9T-4057			
2.000	10.500				135-3437								
2.000	12.000								123-2342	3E-4298			
2.000	14.000								8T-0116				
2.000	15.000			3E-6749						122-9250			
2.000	16.000			173-8277				121-8112					
2.000	17.000				3E-6769								
2.000	20.000									3E-6761			
2.000	30.000								092-2304				
2.000	30.200			9X-4618									
2.000	32.000							8U-4125					
2.000	36.000			192-7121									
2.000	50.000							117-1495					
2.000	57.000			125-3193									
2.000	63.500								71-2749				
2.000	66.500							130-7114					
2.000	74.500								116-3682				
2.000	78.000			192-7120									
2.000	80.000			8T-9525									
2.000	84.000								107-6279				
2.000	84.500								165-9448				
2.000	103.000								191-7604				
2.000	149.500								177-2553				
2.000	160.000								196-4670				
2.100	9.400									6V-9028			

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
2.100	11.400									6V-6560			
2.100	13.400									8T-6850			
2.100	15.400									8T-7524			
2.100	17.400									8T-7877			
2.100	19.400									6V-7970			
2.200	9.600				9X-7317								
2.210	16.360	908	6V-6609	8L-2786	033-6028	112-5282			9X-7745	124-9346			
2.380	22.220			2T-2894									
2.390	8.970								179-0793	4P-9041			
2.390	31.420												
2.400	9.300			8T-9521									
2.400	9.800								112-0033	095-1577			
2.400	10.800								095-1515	095-1579			
2.400	11.800								095-1516	095-1580			
2.400	12.300			8T-9522						095-1581			
2.400	12.700			2T-2679					095-1517	095-1582			
2.400	13.800								095-1517				
2.400	13.800								095-1518	095-1583			
2.400	14.800			103-8255									
2.400	15.300			8U-3473									
2.400	15.800								095-1519	095-1584			
2.400	16.300				117-8766				123-2343	3E-4299			
2.400	17.800									095-1585			
2.400	18.300			8T-9523	117-8764								
2.400	19.300			9X-4619									
2.400	19.800								095-1521	095-1586			
2.400	20.300												
2.400	20.800				109-1294				095-1522	3E-6762			119-5458
2.400	21.800								095-1524	095-1590			
2.400	25.300								123-2345	3E-6763			
2.400	27.300			9X-4625									
2.400	27.700											9X-4614	
2.400	39.700											8C-0626	
2.400	52.600									189-2624			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
2.400	67.600								8T-6716				
2.460	19.180	910	6V-3251	136-7227	152-2939	114-4427				2M-9780	7L-2224		
2.460	19.180			6V-4589	033-6027								
2.500	5.000									170-5716			
2.500	7.000				174-5057								
2.500	8.000				174-5056								
2.500	25.000									118-2725			
2.500	26.000									113-0308			
2.500	27.500									133-9279			
2.500	32.000									9X-7447			
2.500	33.000									3E-6764			
2.500	86.000				117-8765								
2.500	90.000			192-5166									
2.500	107.000				8C-3083				8C-3057				
2.500	140.000												
2.500	195.000				3E-6770								
2.620	4.420	106								8J-1699			
2.620	5.230	107								8B-7216			
2.620	6.020	108								8J-8343			
2.620	7.590	109								4J-2506			
2.620	9.190	110								6F-5559		8M-8157	
2.620	9.800									7W-3983			
2.620	10.770	111								5H-6005		8M-5127	
2.620	12.370	112								8F-9206		8M-5251	
2.620	13.940	113								6F-4855		8M-4437	
2.620	13.940	113				132-2072							
2.620	15.540	114				117-1385							
2.620	15.540	114				118-5068							
2.620	17.120	115								8F-3469	7L-2180	8M-5260	
2.620	17.960									122-8352			
2.620	18.720	116								6F-6672		8M-4438	
2.620	20.300	117								6V-5325			
2.620	20.300	117								7F-8607		8M-5253	
2.620	20.300	117								4M-8303		8M-4389	
2.620	21.890	118										8M-4389	
2.620	21.890	118								9H-6761		8M-8283	

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
2.620	23.470	119		033-6034	6V-8352				4D-9986	6V-5326		9X-4609	
2.620	25.070	120		5P-3456	6V-6339				3D-4245	6V-5556		1S-7462	6V-8958
2.620	26.640	121		6V-6228					1M-1077	7E-4846		8M-4431	
2.620	26.640	121							3D-2992	085-7539			
2.620	28.240	122		5P-7530	6V-4591				2K-8199	099-8232		8M-8514	
2.620	29.820	123		7X-4744					3S-9233	6V-8978		8M-1112	
2.620	31.420	124		9X-3979	3E-6787				2S-4663				
2.620	31.420	124		8T-5452	9X-7722								
2.620	31.720									096-3044			
2.620	32.990	125		3E-6747	6V-3550				2K-8198	6V-8218		8M-8515	
2.620	32.990	125			9X-7418								
2.620	34.590	126	9X-7545	6V-4367	166-2903				5M-2057	096-6100			
2.620	34.590	126			3E-6767					096-6100			
2.620	36.170	127	5P-8065	9X-7735	107-9570				6J-2419	7E-4847			
2.620	36.170	127								6V-5393			
2.620	36.540				131-3719								
2.620	37.770	128	8C-0624	6V-7323					4D-3107	6V-5391		6F-0249	
2.620	39.340	129	6V-5143	6V-1250					5P-8215	1R-5318			
2.620	39.340	129	7X-8592										
2.620	40.940	130	3E-6788						9X-7684	6V-5597			
2.620	42.520	131	9X-7432				4J-8268		4L-7711	085-7540			
2.620	44.120	132	3E-6790						2D-0598	5P-2568	8C-4949		
2.620	45.690	133	8C-3078						7D-9749	3E-6771			
2.620	47.290	134							032-9882				
2.620	48.900	135	6V-8676						3D-2898				
2.620	50.470	136	8C-3079						8C-3080				
2.620	52.070	137			6E-5412				005-8593				
2.620	53.640	138	8C-5196	6V-5100					3D-7805				
2.620	55.240	139		6V-3832	135-2655		5J-1808		004-1963				
2.620	56.820	140		144-7338		144-7339				7Y-5269			
2.620	58.420	141		5P-5756					7J-2036	119-7843		3S-4489	
2.620	59.990	142		009-2061					8T-7000				
2.620	61.600	143		6D-7889					8S-0768				
2.620	63.170	144		009-2062					8C-3081				

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
2.620	63.200		8T-2929										
2.620	64.770	145		5P-5757	180-2391			117-7273				5S-4548	
2.620	66.340	146							5M-6509	131-3715			
2.620	67.940	147							107-4057			129-5701	
2.620	67.940	147							109-7412				
2.620	69.520	148							004-1964				
2.620	71.120	149							3K-4025				
2.620	72.690	150		8C-5197					5P-0908				
2.620	75.870	151		5E-8770					7R-8872	119-7844			
2.620	79.380					107-5769			1P-8362				
2.620	82.220	152		8C-3089	6V-3551				5P-3863	5P-2569			
2.620	88.570	153	8T-6340	6V-3834	136-3378				6V-2483				
2.620	92.410			185-3241									
2.620	93.120												
2.620	94.620	154	7X-4752		107-3119	185-3503			4F-4097	140-7969			
2.620	97.800			7X-4804									
2.620	101.270	155		6D-7146	107-3120				3K-0715				
2.620	101.270	155	9X-7549		133-6578					8T-5049			
2.620	107.620	156								1T-1068			
2.620	113.970	157		6V-7350					6S-3002				
2.620	120.320	158	117-3036	5E-8771						9X-7566			
2.620	126.670	159	9X-7697	117-8801					7J-6285				
2.620	126.670	159		9X-7422					7J-6285				
2.620	126.670	159		169-7442									
2.620	131.200									133-0128			
2.620	133.020	160							2P-1692				
2.620	139.370	161							5J-3886	117-7282			
2.620	139.370	161							5J-3886				
2.620	145.720	162		176-1378						9X-7358			
2.620	152.070	163		9X-4576					5P-3864				
2.620	158.420	164		9X-7286					8T-6404	119-7845			
2.620	164.800		4S-7762							9X-7391			
2.620	171.120	166							9D-8042				
2.620	177.470	167							5P-5397				

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
2.620	183.820	168							9X-7725				
2.620	190.170	169		9X-7295					9X-7683				
2.620	202.870	171			9X-7410					125-4194		7X-4799	
2.620	209.220	172							162-9997				
2.620	215.570	173							161-4102				
2.620	234.620	176		107-3114									
2.620	240.970								190-8501				
2.620	247.320	178		154-8741									
2.620	249.500								8C-5175				
2.620	260.000								8C-5177				
2.620	269.400								8C-5176				
2.620	287.910								065-2793				
2.620	330.890		194-3087										
2.650	145.720									8U-2543			
2.650	183.800									125-4189			
2.660	9.870									173-5549			
2.700	13.600								8T-0117				
2.720	19.300								006-2992				
2.800	22.700									8T-7878			
2.800	23.700									8T-7525			
2.800	29.700									8T-7526			
2.800	38.700									8C-5193			
2.950	21.920	911							9X-7692				
2.950	23.470	912	6V-5063	6V-5050	033-6036					3D-2824	7L-3385		
2.950	26.590	914		6V-1903	033-6038	119-5155				4K-1388			
2.950	29.740	916	6V-5064	5P-7701	9X-7712					7M-8485	7L-2229		
3.000	9.000			132-4240									
3.000	19.000			2T-2695									
3.000	19.500			150-7732									
3.000	23.000												
3.000	24.000									5W-9413			
3.000	26.200								133-4771				
3.000	34.000									118-3131			
3.000	36.500			9X-4621						179-9013			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.000	37.460		6V-5065	5P-7815						2S-4078	7L-3386		
3.000	37.470				183-2317								
3.000	41.000							2T-2692					
3.000	43.690	924	8C-0562	5P-7816	108-5806					6K-6307	1N-6002		
3.000	49.000								121-8117				
3.000	50.000			9X-4616									
3.000	51.000							2T-2691					
3.000	53.100	928	8T-2928	9X-3978									
3.000	54.000				174-5055								
3.000	54.500				175-6715								
3.000	56.000									122-9251			
3.000	59.360	932		5P-7817						030-4606			
3.000	60.000									118-3128			
3.000	64.000									122-9252			
3.000	70.000			128-4005									
3.000	79.500								3C-5546				
3.000	84.000							125-7005					
3.000	84.500			9X-4622									
3.000	85.000				177-0344								
3.000	92.000												
3.000	96.000								109-5698				
3.000	97.000			121-9907				113-7822					
3.000	98.000									121-8094			
3.000	102.000									179-3560			
3.000	104.000												
3.000	105.000			8T-9526									
3.000	108.860												
3.000	115.000												
3.000	120.000									125-9701			
3.000	128.000												
3.000	130.000												
3.000	144.500			192-5167									
3.000	150.000												
3.000	179.000			192-5168					109-5700				

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.000	179.500								107-5665				
3.000	190.000			132-4423									
3.000	192.000			167-1829									
3.000	200.000								109-5693				
3.000	205.000						8U-5927						
3.000	210.000								109-5694				
3.000	220.000								109-5701				
3.000	224.000								121-8132				
3.000	280.000								109-5706				
3.000	315.000								109-5705				
3.000	335.000								133-4769				
3.000	360.000								109-5695				
3.000	420.000								145-6735				
3.000	420.000								145-5935				
3.100	24.400								095-1657	095-1696			
3.100	29.400								095-1658	095-1698			
3.100	34.400								095-1659	095-1700			
3.100	39.400				109-1296					095-1701			
3.100	44.400									095-1703			
3.100	49.400								095-1662	095-1704			
3.100	49.400								3A-9280				
3.100	54.400								095-1663	095-1705			
3.100	59.400									095-1706			
3.100	64.400									095-1707			
3.100	69.400									095-1708			
3.100	74.400									095-1709			
3.100	79.400			193-1736						095-1710			
3.100	84.400								8T-3338	095-1711			
3.100	89.400									095-1712			
3.100	94.400			096-3944					095-1671	095-1713			
3.100	99.400									095-1714			
3.100	104.400								095-1673	095-1715			
3.100	109.400								095-1674	095-1716			
3.100	114.400								095-1675	095-1717			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.100	119.400								095-1676	095-1718			
3.100	124.400								095-1678	095-1719			
3.100	129.400									095-1720			
3.100	134.400								095-1679	095-1721			
3.100	139.400								095-1680	095-1722			
3.100	144.400								095-1681	095-1723			
3.100	152.500									107-6986			
3.100	160.000									095-7384			
3.100	174.000									095-7383			
3.100	190.000									096-4377			
3.100	259.300								6V-8101				
3.100	363.680								3F-8948				
3.150	30.000			8T-9524									
3.180	21.820								179-0794				
3.180	34.110								4D-5256				
3.180	49.230								4F-2709				
3.180	200.020								3F-8333				
3.180	323.850									4S-5805			
3.180	377.820									002-6962			
3.180	419.100										4S-5804		
3.250	114.000									140-0180			
3.250	168.740									140-0236			
3.300	31.750								4F-2928				
3.300	66.680								3F-3759				
3.300	74.630								4F-3408				
3.300	106.380								4F-9174				
3.300	195.280								4F-2410				
3.400	285.600								177-8740				
3.500	21.700								096-0034	095-1589			5I-4115
3.500	22.100								095-1525	095-1591			
3.500	23.700				190-7674				095-1526	095-1592			
3.500	24.700								095-1527	095-1593			
3.500	25.700								095-1528	095-1594			
3.500	25.700									095-1595			

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.500	28.700								095-1530	095-1596			
3.500	29.700								095-1531	095-1597			
3.500	30.700								095-1532	095-1598			
3.500	31.700								095-1533	095-1599			103-8173
3.500	33.700								095-1534	095-1600			
3.500	34.700								8T-2148	095-1601			
3.500	35.700								095-1536	095-1602			
3.500	37.700			190-7673					095-1537	095-1603			
3.500	38.700								095-1538	096-5572			
3.500	39.700								095-1539	095-1604			
3.500	40.700								095-1540	095-1605			
3.500	41.700								095-1541	095-1606			
3.500	43.700									095-1607			
3.500	44.700								095-1543	095-1608			
3.500	45.700								095-1544	095-1609			
3.500	47.700									095-1610			
3.500	48.000			177-0343								8C-5212	
3.500	48.700								095-1545	095-1611		8C-5213	
3.500	49.700								095-1547	095-1613		8C-5214	
3.500	84.600											8M-8281	
3.500	89.600								2H-5001	9J-6491			
3.500	94.600									6V-5555			
3.530	5.940	202	6V-4366										
3.530	7.520	203	137-8101										
3.530	9.120	204	7X-4805	6V-3548					2J-6274	6V-0913			
3.530	10.690	205	119-9443										
3.530	10.690	205	6V-5759										
3.530	12.290	206	5P-0840						2M-4453	5P-6300		8M-4447	
3.530	13.210											5M-1868	
3.530	13.870	207	125-1372						3H-3385			8M-8282	
3.530	13.870	207										5P-9557	
3.530	15.470	208	8C-0504	5P-5598					2J-0157	6J-1038		8M-4448	
3.530	17.040	209		5P-8119									
3.530	18.640	210	5P-3148	5P-6718		169-7487			5F-7054	4J-5140		8M-4435	

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.530	18.660								8U-6426				
3.530	20.220	211		061-7539		9X-7385			1H-8171	008-2103			
3.530	21.820	212		3P-1156		112-3132			3H-0107	4J-8996		8M-4445	
3.530	23.390	213		6V-3683	109-3207				5H-2767			8M-4446	035-0273
3.530	24.990	214		117-8803	109-3205				5F-1678	4J-5267		8M-4988	
3.530	24.990	214		3P-1155									
3.530	25.400									141-7454			
3.530	26.570	215		5P-8118					4F-8946	180-8722		8M-4432	
3.530	26.570	215								7X-1550			
3.530	28.170	216		061-9458		121-0145			2H-3932	4J-8997		8M-5248	
3.530	29.740	217		165-4854					4F-9029	6V-0357		8M-4433	
3.530	29.740	217		5P-8883						6V-0357			
3.530	31.340	218		5P-8210	134-5691				6F-6673	4J-0519		8M-5254	
3.530	32.920	219		5P-8066	170-5715				4F-7391	4J-0520		8M-4987	
3.530	32.920	219			9X-7557								
3.530	34.520	220	7L-4774	5P-4268	3E-6766				3H-1461	4J-0521		8M-5249	
3.530	36.090	221		6V-5266	9X-7419				5F-9657	4J-8998		1S-9799	
3.530	37.690	222		061-7540	191-2962	118-7214			4F-7952	4J-0522	7L-2175	8M-4986	
3.530	39.270								2J-1826				
3.530	40.870	223		061-8561	061-8561	118-8586			6F-0711	4J-5573		8M-4992	
3.530	40.870	223			194-9584				099-0187				
3.530	40.870	223			8J-8725								
3.530	44.040	224	8T-9588	8J-4351	5P-1480	129-1653			1H-9696	4J-0523		8M-4443	
3.530	47.220	225	8T-1702	061-9455					7F-8267	4J-0524		8M-5661	
3.530	50.390	226		5P-8211					5F-8000	4J-0525		8M-4436	
3.530	50.390	226		6V-6756									
3.530	53.570	227		061-9456	8C-3077				7F-8268	4J-0526		8M-5010	
3.530	53.570	227		124-1858									
3.530	53.970									141-7452			
3.530	55.600								137-3623				
3.530	56.740	228	8T-1703	6V-4368		112-1577			8F-6711	4J-0527		8M-4390	
3.530	59.920	229		5P-4892					1H-8720	4J-0528		1S-2174	
3.530	59.920	229							175-7894				
3.530	63.090	230		061-9457					1H-5728	3P-0439		8M-4395	

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.530	65.070								5B-4399				
3.530	66.270	231		6J-2244		118-8708			8F-8882	3E-6730		8M-5252	
3.530	66.270	231				118-8706							
3.530	69.440	232	167-4407	033-6031	8T-0568	112-1574			175-7895	6J-2680		9M-7539	
3.530	69.440	232							5H-8848				
3.530	72.620	233		6V-1179					6H-3977	149-0231			
3.530	75.790	234		5P-4889					175-7896			5M-3038	
3.530	75.790	234							1H-7339				
3.530	78.970	235		153-1157	170-7098				2H-6184	3E-6732			
3.530	78.970	235							175-7897				
3.530	82.140	236	8C-3073	6V-1196	170-4821				2H-3931	6V-6707		6L-9965	
3.530	85.320	237	8C-3072	124-1859					2H-6338	117-1266		2P-3538	
3.530	85.320	237		6V-8001						2H-6338			
3.530	88.490	238		6V-8002					2H-4145	6R-0365		3S-1427	
3.530	88.490	238							175-7898				
3.530	91.670	239		131-3718					8H-7521	3E-6735		2M-2561	
3.530	92.080									5D-6618			
3.530	94.840	240		3E-6773					1H-8128	5P-6302		5K-1770	
3.530	98.020	241		6V-1197					175-7900	9X-4611		9M-9936	
3.530	98.020	241							2H-3934				
3.530	101.190	242		6V-6353					1H-6227			2S-2182	
3.530	104.370	243		5D-5957					4M-0189			7M-9909	
3.530	107.540	244		3E-6785					2H-3928		7L-3313	8S-5654	
3.530	110.720	245		6V-5053					4H-9105	3E-6703		9M-9729	
3.530	110.720	245		8T-9527					175-7902				
3.530	113.890	246		9X-7287					5H-6734	190-3011			
3.530	117.070	247		5D-5958					2J-8163			5P-1705	
3.530	120.240	248		125-9794					5F-3144	175-7903	7L-2211	8M-5255	
3.530	123.420	249		6V-8260					5F-3999			7M-6637	
3.530	126.590	250		9X-7371					5F-3106	031-4392		4S-5898	
3.530	126.590	250							175-7904				
3.530	129.770	251		130-0229					3F-5792		7L-4090	5P-3457	
3.530	129.770	251		5P-8286									
3.530	132.940	252		6V-7351					175-7905			9N-1619	

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.530	132.940	252							2H-9247				
3.530	136.120	253		6V-1195					2H-3935			9N-2693	
3.530	139.290	254							8F-9516	190-3010		8M-5007	
3.530	142.470	255		161-8068		129-1609			2D-8009			6V-1904	
3.530	145.640	256	6V-3428		6V-3549				5H-3252	6J-5541			
3.530	148.820	257		161-8069		129-1610			2K-8257			3S-5135	
3.530	151.990	258		6V-5553	170-7106				8F-8733	7D-9014	2L-1778	5D-4311	
3.530	158.340	259		6V-3319					2K-4472		7L-3380	8M-4704	
3.530	158.340	259										6V-3689	
3.530	164.690	260		6V-7681	175-5077				6F-4718			1S-4974	
3.530	171.040	261		5P-8428	170-4825				9F-1399	061-9729		2S-4071	
3.530	177.390	262		6V-1902					2K-2939		7L-2181	5S-4554	
3.530	183.740	263		6V-3907	175-5088				4H-6520		7L-3314	1S-6119	
3.530	190.090	264	6V-5098			149-5461			3J-0634	5J-2383			
3.530	196.440	265	8T-2921						1H-8278	126-4003	8L-5189		
3.530	202.790	266							1J-2176	7Y-4277		9M-9545	
3.530	204.000	266								9C-3493			
3.530	209.140	267				122-3771			9M-5024	7Y-4294		9N-2694	
3.530	214.300								2M-0340				
3.530	215.490	268		156-5198		122-3772			4K-6804				
3.530	221.840	269							8F-5900				
3.530	226.000								116-7830				
3.530	228.190	270		6V-3684					8F-6230				
3.530	230.670											146-7311	
3.530	234.540	271							1T-0132			8L-3017	
3.530	238.230											146-7312	
3.530	240.890	272							2D-9572	126-4002		9N-1609	
3.530	247.240	273							5S-3676				
3.530	253.590	274							5H-4909			7D-1979	
3.530	266.290	275							8J-8879				
3.530	269.880								9H-5548				
3.530	278.990	276							2R-0239				
3.530	281.940									5D-4187			
3.530	282.370								6V-7991				

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.530	285.800									4D-5497			
3.530	291.690	277							5P-2545			9N-1520	
3.530	298.450								9X-7686				
3.530	304.390	278		165-4852					2D-6533				
3.530	307.570			5P-9035									
3.530	316.870								5P-2861				
3.530	317.910											6V-2406	
3.530	323.440									5J-1086			
3.530	329.790	279							4D-6695			9N-1552	
3.530	340.990								171-9375				
3.530	345.000								116-5897				
3.530	351.000								171-9298				
3.530	355.190	280		5D-5959					4S-5879			9N-1562	
3.530	367.890								6D-0692				
3.530	380.590	281							4D-1577				
3.530	385.340			6V-5058					8D-2714				
3.530	399.800								5P-9147				
3.530	405.260	282							7S-8561				
3.530	412.340								2P-3628				
3.530	413.490								7Y-1455				
3.530	430.660	283							4S-5924				
3.530	454.910								7X-1548				
3.530	470.000								8C-5240				
3.530	481.460								2D-6507				
3.530	484.860								6W-4310				
3.530	500.740								136-2967				
3.530	523.470								7D-7519				
3.530	535.500								6V-6204				
3.530	552.040								4D-0449			9X-7550	
3.530	570.000												
3.530	576.480								7Y-0640				
3.530	606.020								7D-5868				
3.530	669.000								129-9124				
3.530	698.090								6D-1355				

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
3.530	749.000								5P-4076				
3.530	1108.000											150-8791	
3.550	155.000			129-5426									
3.550	185.000								123-2003				
3.600	24.600			3E-6775					4F-5675			1H-3748	
3.960	11.130											3H-2387	
3.960	14.270												
3.960	22.220								4F-5676				
3.960	25.400							8B-6015					
3.960	38.1											3H-2389	
3.960	76.2											4D-6773	
3.960	88.04											7H-0538	
3.960	117.480								7F-6268				
4.000	38.000							121-7687					
4.000	45.000			121-8116									
4.000	65.000									114-8837			
4.000	75.000									112-6921			
4.000	76.000									125-7001			
4.000	80.000									135-7940			
4.000	95.000								165-8066			3E-6752	
4.000	102.000												
4.000	112.000									112-6920			
4.000	140.000									118-2718			
4.000	150.000								9X-7440				
4.000	160.000								111-7052				
4.000	165.000								109-5704				
4.000	172.000								141-0749				
4.000	330.000								8C-3058				
4.000	375.000								109-5707				
4.000	530.000								109-5703				
4.000	595.000								133-4767				
4.290	9.520								109-5692				
4.300	9.530								7B-0305			3S-5496	
4.300	9.530											3S-5496	

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
4.310	140.200		142-7072	142-6217									
4.310	140.200		6V-5121	3E-6777									
4.310	140.200			3E-6777									
4.310	141.000				110-2220								
4.390	42.880							7B-6868					
4.390	101.600							7B-2125					
4.390	113.800		3S-3977										
4.390	117.100		5S-6670										
4.700	357.380							4F-5291					
4.780	7.920							2A-3307					
4.780	25.400							2A-3854					
4.780	73.020							3F-9141					
4.780	76.200							5B-3323					
4.780	83.950										3H-2726		
4.780	93.680							5B-4484					
4.780	107.920							1Y-6637					
4.780	169.880							3F-8774					
4.780	193.680							7F-7151					
4.780	219.080							7B-5716					
4.780	249.220							9F-3384					
4.780	290.530							7F-2094					
4.780	320.680							7F-2093					
4.780	469.900							4F-2411					
4.880	84.070							6F-8509					
4.880	112.730							4F-7471					
4.880	133.800		6H-6998										
4.880	139.800		3S-3978										
4.880	152.400		6L-7812									5P-4360	
4.880	165.100		6L-7815									5P-4361	
4.880	175.000		7N-2046										
5.000	120.000									135-7933			
5.000	205.000							8C-3059					
5.000	248.000							133-4768					
5.000	780.000							109-5699					

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
5.000	820.000								109-5696				
5.000	900.000								109-5697				
5.260	445.500			8T-0115									
5.330	7.140			4G-4972								3H-2388	
5.330	12.070	310		8S-5011					3H-4970			1S-7104	
5.330	15.240	312		6V-3955					5H-8038			8M-4990	
5.330	18.420	314	6V-5061	6V-3348					3B-8453			1S-0004	
5.330	19.300											9M-4618	
5.330	19.990	315		5P-8870					9H-4557				
5.330	21.590	316	6V-5062	2N-3350					6H-5672			9H-6067	
5.330	23.160	317	7L-4773	5P-9890	032-8969	114-2687			8F-4994			9M-4849	
5.330	23.160	317		112-3540									
5.330	24.770	318	8T-0280	6V-4430					8B-4967			8M-5266	
5.330	24.770	318		6V-4480									
5.330	27.940	320		3P-0648					5H-7370			8M-4991	
5.330	31.120	322	7L-6580	6V-5134					4F-5607			5H-7153	
5.330	32.690	323							5M-7423				
5.330	34.290	324	5P-7204	6V-3830					5M-5860		5P-5316	1S-9544	
5.330	37.470	325	6V-9769	5P-8068		109-0078	3S-6538		4F-7389		5L-2727	9M-7002	
5.330	40.640	326	6L-7817	5P-5846		109-0072			2H-3927	8S-5953		9M-9647	
5.330	43.820	327	2N-5749	8C-5230		109-0073			4F-8824			2S-2251	
5.330	43.820	327										8S-4190	
5.330	46.200											9M-2610	
5.330	46.990	328	6V-1585	8C-3107		112-3258			4F-9653	9S-8307		6L-1648	
5.330	46.990	328										7S-3206	
5.330	50.160	329	5S-1105	3P-0650		109-0076	2H-3088		5K-5959			6L-1651	
5.330	50.170	329	171-4358	113-5304									
5.330	53.340	330	2N-5243	6V-3831		112-3260			4F-7390				
5.330	56.520	331	2N-0475	109-2332		110-7752			3H-2652	7S-4001		6L-1650	
5.330	56.520	331		3P-0649									
5.330	59.690	332		3P-0651		112-3259			6F-8146	099-4780		6L-9284	
5.330	62.870	333	8T-1919	3P-0657		112-1102			2H-2665	2R-0039		6L-1649	
5.330	66.040	334		3P-0656					2H-3933			8H-1607	
5.330	69.220	335		3P-0653		109-0075			7F-2122	006-8352		8M-4989	

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
5.330	72.390	336	6V-1454	3P-0655		110-7753			5F-3092			9M-4218	
5.330	75.570	337		6V-5051		109-0092			7H-2444				
5.330	78.740	338		6V-3833		109-0079			9F-4446		7L-2174	1M-6036	
5.330	81.920	339		6V-5656					4L-9564	5D-1597		6L-5359	
5.330	85.090	340	6V-5066	3P-0654					8H-2046			9M-4217	
5.330	88.270	341		6V-0973		112-8186			1H-0474				
5.330	91.440	342		5P-7818		109-0074			5F-0149			9X-7727	
5.330	94.620	343		6V-4315					5H-8624				
5.330	97.790	344	6V-5139	5S-9134		109-0080			9M-2092			6V-5188	
5.330	100.970	345		6V-3908		109-0077			4F-7387	9X-7458	7L-2197	4H-3243	
5.330	104.140	346		6V-5052					1J-2859				
5.330	107.320	347	6V-5504	6V-5101					9F-7283			1S-1225	
5.330	110.490	348		7D-7111					1S-7408				
5.330	113.670	349	6V-5140	5P-8872		112-1580			5H-5672			8S-5655	
5.330	116.840	350	6V-5067	8C-3103					5P-4326				
5.330	120.020	351		5P-8940					1P-9005				
5.330	123.190	352	8T-2903	7X-1547		109-0081			2S-8439				
5.330	123.900											107-3185	
5.330	126.360								068-9002				
5.330	129.540	354	6V-5068	6V-4314	170-7103				8J-1688				
5.330	132.720	355							5P-1979				
5.330	135.890	356		9X-7562	170-7105				9X-7375				
5.330	139.070	357	6V-6809	6V-5054					9M-3786			3S-1219	
5.330	142.240	358		6V-3835					6D-9157				
5.330	145.420	359							3S-1223				
5.330	148.590	360							6V-5657				
5.330	151.770	361		6V-5055	170-4823				7J-8956				
5.330	158.120	362		6V-4297					8T-6444			8C-3091	
5.330	164.470	363			170-4824				8J-1665			7S-8758	
5.330	170.820	364								5P-7593			
5.330	177.170	365		109-7411			107-6280		8T-7568			9X-7704	
5.330	183.520	366		6V-5102					5K-1787				
5.330	189.860	367							3F-1547				
5.330	196.220	368		6V-3349					5M-7142				

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
5.330	199.390									8J-4386			
5.330	202.570	369	6V-7703	177-6911					9M-5894				
5.330	208.920	370		5P-8429					4N-1230				
5.330	211.190					134-5958							
5.330	215.270	371							5P-3092				
5.330	221.620	372		6V-5141		134-5959			5H-4081	1U-3174			
5.330	227.970	373								5P-5374		5D-9344	
5.330	234.320	374		6V-5375									
5.330	240.670	375		6V-7701						5P-2235		5P-8105	
5.330	253.360	377							8L-9241				
5.330	266.070	378		5P-8871					3S-3074	109-5702		5P-5819	
5.330	266.070	378		174-3357								5P-5819	
5.330	270.210									5P-2236		2W-2073	
5.330	278.770	379		6V-5554									
5.330	287.000			8C-9023									
5.330	291.470	380		6V-5057					2M-1309				
5.330	300.420									130-9108			
5.330	304.170	381		159-8802		158-6563				6V-3263			
5.330	310.130								5H-4082				
5.330	317.240			6V-7702									
5.330	325.000		1W-0115										
5.330	329.570	382		9X-7688					7S-8554				
5.330	335.000			6V-3602									
5.330	342.900								2M-3818				
5.330	350.420									130-9109			
5.330	354.970	383		8C-3828					6V-1175				
5.330	355.190									4T-4128			
5.330	371.420									130-9110			
5.330	372.000			8T-0098									
5.330	380.370	384		118-7536					2M-3340				
5.330	383.600			9X-7428									
5.330	390.000			6V-4244									
5.330	399.420								7S-4571				
5.330	405.300								5M-6200				

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
5.330	411.480								5M-7329				
5.330	415.000			6V-9670									
5.330	421.700			8T-8883									
5.330	422.000								144-8299				
5.330	430.660	386							5P-9806			9L-5650	
5.330	440.690								6M-5218				
5.330	456.060	387		6V-5059					2R-0098				
5.330	481.410	388							8D-4771				
5.330	494.660			6V-5043					9H-0846				
5.330	514.650								9M-5892				
5.330	532.210	390							4H-6730				
5.330	548.640											8S-6251	
5.330	557.610	391							9H-3360				
5.330	558.000		156-5197										
5.330	582.680	392							3D-8422				
5.330	608.100								8T-3013				
5.330	621.000		154-9416										
5.330	633.480	394							9H-6832				
5.330	643.380								8D-5096				
5.330	684.280								5D-7523				
5.330	736.600			159-8752					2D-6506				
5.330	760.000								5P-4057				
5.330	786.760								3D-3295				
5.330	795.000											186-3712	
5.330	843.000											5P-9519	
5.330	870.000											143-8729	
5.330	920.000											111-1503	
5.330	940.000											6V-6557	
5.330	1146.000											113-1700	
5.330	1180.000											152-0985	
5.340	136.500							8U-5059					
5.340	380.000								144-0618				
5.500	32.000								121-8140				
5.600	130.000									140-7651			

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
5.700	45.600											8C-0627	
5.700	49.600								095-1546	095-1612			
5.700	51.600								096-0121	095-1614			
5.700	52.600									095-1615			
5.700	54.600								8T-6346	095-1616			
5.700	55.600									095-1617			
5.700	57.600									095-1618			
5.700	59.600								095-1549	095-1619			
5.700	61.600									095-1620			
5.700	64.600								095-1550	095-1621			
5.700	69.600								095-1551	095-1622			
5.700	74.600								095-1552				
5.700	79.600								095-1553	095-1623			
5.700	84.600								095-1554	095-1624			
5.700	89.600								095-1555	095-1625			
5.700	94.600								095-1556	095-1626			
5.700	99.600								095-1557	095-1627			
5.700	104.600								096-7041	095-8859			
5.700	109.600								095-1558	095-1628			
5.700	111.600								132-3056	095-1629			
5.700	111.600								095-1559				
5.700	114.600								095-1560	095-1630			
5.700	119.600								096-0071	095-1631			
5.700	124.600								095-1561	096-5382			
5.700	129.600								095-1562	095-1632			
5.700	139.600								095-1563	095-1633			
5.700	144.600								095-1564	095-1634			
5.700	149.300								095-1682	095-1724			
5.700	149.600									095-1635			
5.700	150.000									140-7663			
5.700	154.300								096-4921	095-1725			
5.700	159.300								095-1683	095-1726			
5.700	164.300									095-1727			
5.700	169.300								095-1684	095-1728			



# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
6.350	60.960								7F-9134				
6.350	350.800								4L-3579				
6.480	139.700								7B-2123				
6.940	93.000									138-2675			
6.980	32.920										9F-0096		
6.980	116.840										9M-8788		
6.980	120.020										3H-0976		
6.980	126.360										2M-5173		
6.980	139.060										6H-1995		
6.980	148.590										5D-6642		
6.980	151.760										6L-5473		
6.980	164.460										7M-6952		
6.980	202.560										6L-5360		
6.980	227.960										2S-2966		
6.990	12.700								3B-7363				
6.990	31.120		8C-5209						4H-1860			6L-4905	
6.990	37.460								7H-9959				
6.990	42.800								8S-0530				
6.990	46.990								1M-3548				
6.990	56.520			5P-6861					7D-1195		4M-0142		
6.990	61.600								5P-8432				
6.990	64.260								1T-0136				
6.990	69.220								1M-0556		4M-0141		
6.990	75.560								5H-2824		5H-9205		
6.990	81.000					125-4641					4L-8337		
6.990	81.920		7L-7459	5P-5700									
6.990	85.090								2A-3676				
6.990	88.260			130-5694		125-4642			6K-9149		5S-1188		
6.990	91.440								5S-0982				
6.990	94.610										5H-7704		
6.990	94.620		7L-7460	6V-3917									
6.990	100.960			6V-2695							5H-1039		
6.990	104.140										8H-7469		
6.990	107.310			6V-5166							6H-1871		

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
6.990	113.660											7S-1156	
6.990	113.670	425							114-9275				
6.990	116.840	426		170-5941					9S-3888	107-6259			
6.990	120.020	427	7L-2031										
6.990	123.190	428		5S-6760						6F-0671			
6.990	126.370	429	6L-9405	6V-5103					8F-4469				
6.990	132.720	431							5H-9524				
6.990	135.890	432		3E-6751					4F-7507				
6.990	139.070	433	6V-5373	6V-5167					5H-6733	143-4637			
6.990	148.590	436		5P-8861					5P-3620	003-2770			
6.990	151.770	437		5P-8862					8H-0273	6H-4162			
6.990	158.120	438				112-1579			5L-5032				
6.990	164.470	439		6V-3968	170-7100				2H-6124				
6.990	164.470	439		135-6950									
6.990	170.820	440	5P-6619						2D-1692	006-8350			
6.990	177.170	441		6V-5095					4F-9652			5D-7665	
6.990	183.520	442		7X-4810					2D-1690				
6.990	189.860	443							5F-6222				
6.990	199.260								2M-0338				
6.990	202.560	445		3P-0658					2D-1691				
6.990	208.900			170-4822									
6.990	210.900								161-4511				
6.990	215.260	446							4F-7388		2N-6037	6V-1905	
6.990	218.500			6V-3603									
6.990	224.790								4D-6548				
6.990	227.960	447							1J-2890		7L-2176		
6.990	240.660								1M-9015				
6.990	253.370	449							3E-6794		1N-6000		
6.990	266.070	450			175-5086				8F-8861				
6.990	268.440			9X-7442					5P-3487				
6.990	278.760	451							2H-6340				
6.990	287.410								129-3719				
6.990	291.460	452							8H-8257				
6.990	304.160								4M-0661				

# Seals / O-Rings

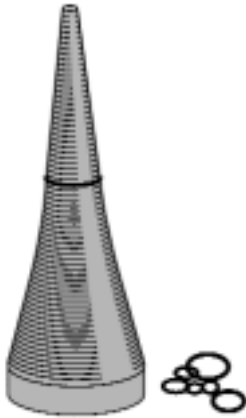
CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
6.990	304.200		1W-0118										
6.990	310.130								4M-0737				
6.990	316.860	454	8T-9047	6V-3967					4D-4508				
6.990	329.560	455							5M-4454				
6.990	342.270	456		6V-6638					5P-9217				
6.990	342.390								177-0448				
6.990	354.960	457							4J-1253				
6.990	367.670	458							6V-5862				
6.990	380.360	449							8F-9960				
6.990	386.240			137-4349									
6.990	393.070	450							5P-4342				
6.990	405.260	451							8F-6498				
6.990	417.960	452		137-4350					4D-4503				
6.990	430.660	453							3S-9896				
6.990	446.800								149-2695				
6.990	468.760	456							8T-4811				
6.990	481.460	457							5D-1071				
6.990	494.160	458		6V-5060					2D-8363				
6.990	520.070								5P-2587				
6.990	532.260	460							3D-8241			143-6387	
6.990	564.500												
6.990	582.680	462							2D-8364				
6.990	608.080	473							5D-6428				
7.000	79.000							118-3125					
7.000	89.000							125-9697					
7.000	97.500									140-0178			
7.000	99.000							118-2722					
7.000	102.250									140-0194			
7.000	106.000							135-7937					
7.000	145.400								2Y-8252				
7.000	158.120									140-0240			
7.000	234.300				175-5075								
7.160	18.470			139-6123								5P-2428	
7.980	76.960										1L-7548		

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
8.000	216.200								8T-6690				
8.400	149.500							113-2073					
8.400	154.500									095-1636			
8.400	164.500									095-1637			
8.400	176.400									095-1638			
8.400	179.500									095-1639			
8.400	184.500									095-1640			
8.400	189.500								095-1566				
8.400	194.500									095-1641			
8.400	199.500								095-1566	096-0035			
8.400	209.500									099-4846			
8.400	214.500								095-1567				
8.400	229.500									096-0036			
8.400	234.500									095-1642			
8.400	239.500									096-2163			
8.400	249.500								095-1568	095-1643			
8.400	264.500									096-0037			
8.400	284.500									095-1644			
8.400	289.500								095-1569				
8.400	319.500												
8.400	384.500									096-2162			
8.400	384.500	473											
8.480	78.380												
8.640	100.790											8F-6149	
8.790	28.170												
8.790	37.340												
9.000	80.000												
9.000	96.000								093-1341				
9.470	48.340								093-1342				
9.470	60.340									8P-7003		7T-4087	
9.470	66.090									6P-8912		7T-1094	
9.470	70.340									1M-3097		2S-2181	
9.470	76.340									8P-0021		7T-1093	
9.470	92.280									8H-2262		9M-9730	
9.470	92.280									8H-2265		8S-5653	

# Seals / O-Rings

CROSS SECTION DIA. (MM)	SEAL INSIDE DIA. (MM)	DASH SIZE	EPDM (70)	FLUORO-CARBON (75)	FLUORO-CARBON (90)	HNBR (72)	NBR NITRILE (60)	NBR NITRILE (70)	NBR NITRILE (75)	NBR NITRILE (90)	POLY-ACRYLIC (75)	SILICONE (70)	URETHANE (90)
9.470	102.340						6H-1309					3P-1847	
9.470	127.740											5P-2499	
9.520	70.100								1H-7683				
9.520	196.850								3K-1516				
10.000	124.700							107-9976					
10.000	140.000							093-1344					
10.000	155.000							093-1345					
10.000	175.000							093-1349					
10.000	200.000							093-1347					
10.000	230.000							101-2154					
11.430	300.610						9M-6097						
11.430	326.000						4V-4884						
12.700	147.470											3N-0801	
12.700	147.470											5P-3401	
12.700	164.470						7M-0475						
12.700	184.950						2M-0344					3N-0759	
12.700	224.900						1M-9011					5P-1606	
12.700	232.800											9W-6612	
12.700	262.690						4K-0173						
12.700	265.000						4M-0660					5P-1608	
12.700	280.030						7T-2457						
12.700	280.030						7T-2457						
12.700	317.130						4M-0736					3P-1849	
12.700	341.750								6V-2361				
12.700	353.000								6V-2362				
12.700	364.030											9W-5976	
12.700	424.650											9W-6613	
12.700	498.630											5P-8403	
12.700	660.390											6V-2305	
12.700	820.580											6Y-8213	
14.280	650.000						9J-0818						
15.880	600.000						6A-4503						
15.880	660.400						5P-3228						
15.880	751.840						8J-3699						



## O-Ring Measuring Cone

- Designed to measure SAE industry standard O-Ring dimensions by cross section and dash size.
- Made of high impact, yellow plastic with 65 steps indicating the varying inside diameters.
- Contains a round base with five industry standard O-Ring cross section diameters cut into the edge.
- Makes finding the correct O-Ring replacement easier and faster.

ITEM	PART NUMBER
O-Ring Measuring Cone	9U-5155



## O-Ring Seal Kits

- Include frequently used O-Ring sizes, reducing the need to order individual seals.
- Come in individual compartments with a rugged plastic container that latches shut for protection.
- Exceed SAE and other seal specifications, ensuring longer life and lower costs per hour.

KIT PART NUMBER	SEAL TYPE	CONSIST	APPLICATION
4C-4782	O-Ring Seal	32 Sizes, 580 Seals (Nitrile, 90 Duro)	SAE STOR and ORFS Fittings, SAE Code 61 and Code 62 Flanges
4C-5859	O-Ring Seal	8 Sizes, 120 Seals (Nitrile, 90 Duro)	SAE ORFS Fittings
9S-3135	O-Ring Seal	6 Sizes, 60 Seals (Nitrile, 90 Duro)	SAE Code 61 and Code 62 Flanges
4C-4784	Rectangular Seal	9 Sizes, 80 Seals (Nitrile, 90 Duro)	Cat Flanges
4C-4788	O-Ring Seal	10 Sizes, 125 Seals (Nitrile, 90 Duro)	Metric Fittings
9U-7804	O-Ring Seal	8 Sizes, 120 Seals (Nitrile, 75 Duro)	Air Conditioning Fittings (R134 Compatible)
4C-8253	O-Ring Seal	32 Sizes, 149 Seals (Silicone, 70 Duro)	Low-Pressure, High-Temperature Applications

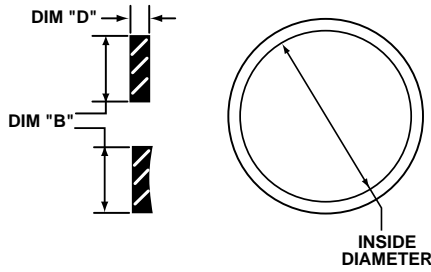
# Seals / O-Ring Materials

MATERIAL	HARDNESS	TEMP.	COMPATIBLE WITH	APPLICATIONS	NOT COMPATIBLE WITH
Ethylene Propylene Diene Modified (70) (EPDM)	70 Durometer	-55° – 135° C -67° – 275° F	Alcohols Automotive brake fluids Hot, cold water Ketones Ozone and sunlight Phosphate ester fluids Silicone fluids Some dilute acids Steam (200 Degree C max) Steam (400 Degree F max)	Ebullient cooled engine cooling systems	Aromatic fuels Diester lubricants Petroleum fluids
Fluorocarbon (75) (FKM)	75 Durometer	-40° – 175° C -40° – 350° F	Diester lubricants Halogenated hydrocarbons (above 100 Deg. C) Highly resistant to compression set Petroleum fluids Phosphate ester fluids Silicone fluids Some acids	High temperature applications requiring resistance to air, fuels, lubricants and hydraulic fluids	Amines Brake fluids Engine Coolant Fire Resistant Fluids Ketones Steam Water
Fluorocarbon (90) (FKM)	90 Durometer	-40° – 175° C -40° – 350° F	Diester lubricants Halogenated hydrocarbons (above 100 Deg. C) Highly resistant to compression set Petroleum fluids Phosphate ester fluids Silicone fluids Some acids	High pressure, high temperature applications requiring resistance to air, fuels, lubricants and hydraulic fluids ORFS, STORS seals	Amines Brake fluids Engine Coolant Fire Resistant Fluids Ketones Steam Water

MATERIAL	HARDNESS	TEMP.	COMPATIBLE WITH	APPLICATIONS	NOT COMPATIBLE WITH
Highly Saturated Nitrile (78) (HNBR)	78 Durometer	-40° – 121° C -40° – 275° F	Abrasion resistant Diesel fuels Diester lubricants Ozone Petroleum oils, greases Refrigerant HFC - 134a (Non-Freon) Silicone fluids Steam Water base engine coolants	Automotive air conditioner seals High temperature flex boot seals High temperature power steering seals Higher temperature hydraulic seals Middle cylinder liner seals	Aromatic and oxygenated gasolines Automotive and aircraft brake fluids Chlorinated hydrocarbons Ethers Ketones Phosphate ester fluids
Nitrile (60)	60 Durometer	-40° – 100° C -40° – 212° F	Alpha-Olefin base synthetic lubricants Ethylene Glycol Petroleum base lubricants Silicone oils and greases Water, water base engine coolants	Ambient temperature fuel handling High and low pressure LPG service Hydraulic fluids Power steering seals Radiator thermostat seals	Automotive and aircraft brake fluids High levels of ozone Ketones Phosphate ester fluids UV Light
Nitrile (70)	70 Durometer	-40° – 100° C -40° – 212° F	Alpha-Olefin base synthetic lubricants Ethylene Glycol Hydrocarbon fuels Petroleum base lubricants Silicone oils and greases Water, water base engine coolants	Ambient temperature fuel handling High and low pressure LPG service Hydraulic fluids Power steering seals Radiator thermostat seals	Acetone Automotive and aircraft brake fluids Chlorinated hydrocarbons High levels of ozone Ketones Nitro hydrocarbons Phosphate ester fluids Strong acids UV light

# Seals / O-Ring Materials

MATERIAL	HARDNESS	TEMP.	COMPATIBLE WITH	APPLICATIONS	NOT COMPATIBLE WITH
Nitrile (90)	90 Durometer	-40° – 100° C -40° – 212° F	Abrasion resistant Alpha-Olefin base synthetic lubricants Ethylene Glycol Hydrocarbon fuels Petroleum base lubricants Silicone oils and greases Water, water base engine coolants ORFS, STORS seals	Ambient temperature fuel handling High and low pressure LPG service Hydraulic fluids (to 10,335 kPa/1500 psi) Power steering seals Radiator thermostat seals	Automotive and aircraft brake fluids High levels of ozone Ketones Phosphate ester fluids Strong acids UV light
Polyacrylic (75) (ACM)	75 Durometer	-12° – 135° C +10° – 275° F	Excellent resistance to oxidation Excellent resistance to ozone Excellent resistance to sunlight & UV light Petroleum base fluids Transmission fluids Type "R" power steering fluid	Power steering seals Transmissions	Aromatic hydrocarbons Brake fluids Chlorinated hydrocarbons Ethylene Glycol Methanol Other alcohols Phosphate ester fluids Water or steam
Silicone (70)	70 Durometer	-46° – 150° C -50° – 300° F	Air Diacetone alcohol Ethylene glycol Extreme high/low temperatures High aniline point oil Iso-butyl alcohol Ozone & UV light Polyglycol	Electrical system seals High temperature air seals High temperature static grease seals	Acetone Aromatic hydrocarbons EP oil Fuel oil Gasoline Ketones Low aniline point oils Petroleum oils Steam & hot water
Urethane (90)	90 Durometer	-40° – 93° C -40° – 200° F	Ozone Petroleum base lubricants and hydraulic fluids/fuels UV light	Brake seals Hydraulic cylinder seals	Water Water base hydraulic fluids



## Backup Rings

DASH SIZE	DIMENSION "B" RADIAL HEIGHT (MM)	RING INSIDE DIAMETER (MM)	DIMENSION "D" AXIAL WIDTH (MM)	PART NUMBER	MATERIAL TYPE
	1.00	11.00	0.60	115-6880	PTFE 55 (Duro Hardness)
	1.10	7.3	0.70	115-9530	Plastic
	1.22	6.60	1.30	147-6604	PTFE 65 (Duro Hardness)
		8.20	1.30	147-6605	PTFE 65 (Duro Hardness)
		196.83	3.02	126-4040	PTFE 65 (Duro Hardness)
		241.30	3.02	126-4004	PTFE 65 (Duro Hardness)
	1.26	12.57	1.55	156-2850	PTFE 60 (Duro Hardness)
	1.27	32.20	1.24	085-7530	PTFE 55 (Duro Hardness)
	1.35	5.94	1.23	126-5984	Plastic
		6.30	1.42	4T-5070	PTFE 65 (Duro Hardness)
		6.75	1.23	126-5985	Plastic
7.90		1.42	4T-5071	PTFE 65 (Duro Hardness)	
-011	1.35	8.31	1.19	187-3513	Nitrile Rubber 90 (Duro Hardness)
	1.35	8.31	1.23	3E-6017	PTFE 65 (Duro Hardness)
		9.72	1.23	6E-0381	PTFE 55 (Duro Hardness)
		9.90	1.23	030-0167	PTFE 65 (Duro Hardness)
		9.91	1.23	109-6925	Plastic
		11.56	0.74	179-7257	PTFE 65 (Duro Hardness)
		13.16	0.74	161-6161	PTFE 65 (Duro Hardness)
		13.16	1.22	100-7000	PTFE 55 (Duro Hardness)
		13.16	1.22	6V-6923	PTFE 55 (Duro Hardness)
		13.16	1.23	109-6926	Plastic
		14.73	0.74	169-1616	PTFE 65 (Duro Hardness)
		14.73	1.22	6V-6924	PTFE 55 (Duro Hardness)
		16.33	0.74	169-1617	PTFE 65 (Duro Hardness)
		16.33	0.74	161-6160	Plastic
		16.33	1.23	109-6927	Plastic
		21.08	1.23	4T-4953	Plastic
		22.68	1.25	9T-1243	PTFE 55 (Duro Hardness)
		24.38	1.23	9T-4518	PTFE 65 (Duro Hardness)
-022	1.35	25.68	1.19	115-9864	Nitrile Rubber 90 (Duro Hardness)
-023	1.35	27.43	1.19	115-9865	Nitrile Rubber 90 (Duro Hardness)
	1.40	9.20	0.50	117-0355	PTFE 55 (Duro Hardness)
		11.10	0.71	187-0541	PTFE 65 (Duro Hardness)
		11.20	0.50	117-0357	PTFE 55 (Duro Hardness)
		12.74	0.69	185-2327	PTFE 65 (Duro Hardness)

# Seals / Backup Rings

DASH SIZE	DIMENSION "B" RADIAL HEIGHT (MM)	RING INSIDE DIAMETER (MM)	DIMENSION "D" AXIAL WIDTH (MM)	PART NUMBER	MATERIAL TYPE	
	1.40	13.20	0.70	192-7118	PTFE 55 (Duro Hardness)	
		15.20	0.50	117-0353	PTFE 55 (Duro Hardness)	
		16.00	0.69	9J-6367	PTFE 60 (Duro Hardness)	
		28.4	1.40	179-4177	Plastic	
		36.2	1.40	179-4178	Plastic	
	1.45	11.4	1.00	149-4076	Plastic	
		13.0	1.00	149-4077	Plastic	
		13.1	1.40	179-4176	Plastic	
	1.50	10.00	1.00	117-0356	PTFE 55 (Duro Hardness)	
	1.60	6.25	1.23	186-2488	PTFE 65 (Duro Hardness)	
		11.00	1.23	186-2487	PTFE 65 (Duro Hardness)	
	1.75	24.50	0.60	180-7460	PTFE 65 (Duro Hardness)	
	1.90	26.20	0.60	180-7459	PTFE 65 (Duro Hardness)	
	1.99	11.27	1.52	6E-0382	PTFE 55 (Duro Hardness)	
	2.00	26.00	1.52	6E-5662	PTFE 65 (Duro Hardness)	
		29.20	1.52	6E-5663	PTFE 65 (Duro Hardness)	
	2.10	21.80	1.00	115-7764	PTFE 55 (Duro Hardness)	
	2.18	9.91	1.23	117-3584	PTFE 55 (Duro Hardness)	
		11.48	1.23	117-3581	PTFE 55 (Duro Hardness)	
		14.64	1.23	9T-1862	Plastic	
		14.65	1.23	101-1983	PTFE 65 (Duro Hardness)	
		15.47	1.22	9T-3342	Plastic	
		16.26	0.74	194-3871	PTFE 65 (Duro Hardness)	
		17.40	1.52	4T-5072	PTFE 65 (Duro Hardness)	
		17.83	.74	194-3872	PTFE 65 (Duro Hardness)	
		19.43	.74	194-3873	PTFE 65 (Duro Hardness)	
	-117	2.18	21.11	1.19	5P-7857	Nitrile Rubber 90 (Duro Hardness)
		2.18	22.30	1.52	4T-5073	PTFE 65 (Duro Hardness)
23.88			1.52	4T-6977	PTFE 65 (Duro Hardness)	
-119	2.18	24.28	1.19	5P-7858	Nitrile Rubber 90 (Duro Hardness)	
	2.18	25.48	1.52	4T-5074	PTFE 65 (Duro Hardness)	
-121	2.18	27.46	1.19	183-9524	Nitrile Rubber 90 (Duro Hardness)	
	2.18	29.08	1.23	1U-4835	PTFE 55 (Duro Hardness)	
-123	2.18	30.63	1.19	183-9525	Nitrile Rubber 90 (Duro Hardness)	
	2.18	36.63	1.52	4T-5075	PTFE 65 (Duro Hardness)	
		44.50	1.52	6E-5418	PTFE 65 (Duro Hardness)	
		47.67	1.52	6E-5417	PTFE 65 (Duro Hardness)	
		48.08	1.19	183-9523	Nitrile Rubber 90 (Duro Hardness)	
		52.45	1.52	6E-5416	PTFE 55 (Duro Hardness)	
-164	2.18	159.21	1.14	177-1812	Nitrile Rubber 90 (Duro Hardness)	
	2.20	30.60	1.50	193-4727	PTFE 55 (Duro Hardness)	
	2.21	31.83	1.57	9T-1558	PTFE 65 (Duro Hardness)	
	2.40	35.20	1.00	179-9014	PTFE 65 (Duro Hardness)	
		127.73	1.09	173-3237	PTFE 65 (Duro Hardness)	
	2.44	328.05	0.00	122-0440	Urethane 90 (Duro Hardness)	

# Seals / Backup Rings

DASH SIZE	DIMENSION "B" RADIAL HEIGHT (MM)	RING INSIDE DIAMETER (MM)	DIMENSION "D" AXIAL WIDTH (MM)	PART NUMBER	MATERIAL TYPE
	2.45	22.20	1.40	192-7114	PTFE 55 (Duro Hardness)
	2.58	35.88	1.22	170-2415	PTFE 65 (Duro Hardness)
	2.58	76.55	1.09	175-7908	PTFE 65 (Duro Hardness)
		114.41	1.09	175-7914	PTFE 65 (Duro Hardness)
		120.76	1.09	175-7915	PTFE 65 (Duro Hardness)
	2.65	16.30	1.23	3G-5233	PTFE 65 (Duro Hardness)
	2.68	63.0	1.40	180-5049	Plastic
	2.77	41.35	1.57	8J-5472	PTFE 55 (Duro Hardness)
		44.53	1.58	8J-3817	PTFE 55 (Duro Hardness)
	2.90	75.92	1.09	8J-2574	Urethane 90 (Duro Hardness)
		134.30	1.09	8C-3847	Nylon
		183.40	1.00	4T-3107	Urethane 90 (Duro Hardness)
		208.60	1.00	1U-1101	Urethane 90 (Duro Hardness)
		259.20	1.00	3G-6857	Urethane 90 (Duro Hardness)
		271.80	1.09	9X-4596	Urethane 90 (Duro Hardness)
	2.98	22.40	1.27	179-0795	PTFE 65 (Duro Hardness)
-228	3.00	57.71	1.09	9X-7552	Nitrile Rubber 90 (Duro Hardness)
-263	3.00	84.61	1.09	5P-3235	Nitrile Rubber 90 (Duro Hardness)
	3.00	99.70	1.09	168-2271	Urethane 90 (Duro Hardness)
		114.00	3.00	144-0243	Nylon
-265	3.00	197.31	1.09	5J-6444	Nitrile Rubber 90 (Duro Hardness)
	3.02		1.23	9T-3340	Plastic
		19.45	1.23	183-8068	PTFE 65 (Duro Hardness)
		25.81	1.22	9T-0118	PTFE 55 (Duro Hardness)
		41.28	1.57	4T-5076	PTFE 65 (Duro Hardness)
		44.48	1.52	3G-9725	Nylon
		45.00	1.22	6V-6793	PTFE 60 (Duro Hardness)
		104.83	1.17	6D-6783	PTFE 55 (Duro Hardness)
		3.10	79.8	4.60	125-7002
	127.00		1.25	111-8817	PTFE 55 (Duro Hardness)
	3.92	131.46	1.52	148-6560	PTFE 65 (Duro Hardness)
		156.86	1.52	149-2092	PTFE 65 (Duro Hardness)
	4.01	258.63	1.73	7X-4757	Nylon
	4.10	48.00	1.30	195-2996	Nitrile Rubber 90 (Duro Hardness)
	4.12	150.51	1.52	162-7209	PTFE 60 (Duro Hardness)
		169.56	2.02	162-7210	PTFE 60 (Duro Hardness)
	4.17	169.57	1.78	8J-1666	Nylon
	4.22	200.91	1.78	8J-8827	Nylon
	4.30	129.91	1.52	8J-1689	Urethane 90 (Duro Hardness)
		174.25	1.50	1U-1738	Urethane 90 (Duro Hardness)
		224.75	1.52	1U-3173	Urethane 90 (Duro Hardness)
		243.75	1.52	1U-3307	Urethane 90 (Duro Hardness)
		256.40	1.52	1U-1770	Urethane 90 (Duro Hardness)
		281.70	1.50	1U-1626	Urethane 90 (Duro Hardness)
		300.64	1.50	8T-6926	Urethane 90 (Duro Hardness)

# Seals / Backup Rings

DASH SIZE	DIMENSION "B" RADIAL HEIGHT (MM)	RING INSIDE DIAMETER (MM)	DIMENSION "D" AXIAL WIDTH (MM)	PART NUMBER	MATERIAL TYPE	
	4.30	307.00	1.52	1U-3383	Urethan 90 (Duro Hardness)	
		312.40	1.50	121-4161	Nitrile Rubber 90 (Duro Hardness)	
		352.00	1.52	4T-4127	Urethane 90 (Duro Hardness)	
		415.50	1.52	151-8413	Urethane 90 (Duro Hardness)	
	4.32	199.52	1.52	3G-3747	Urethane 90 (Duro Hardness)	
	4.35	205.65	2.44	108-0122	Urethane 90 (Duro Hardness)	
		265.52	2.44	108-0129	Urethane 90 (Duro Hardness)	
	4.60	118.20	1.50	9X-7279	Urethane 90 (Duro Hardness)	
	-346	4.65	105.49	1.65	8J-3752	Nitrile Rubber 90 (Duro Hardness)
		4.65	111.84	1.52	9X-7278	Urethane 90 (Duro Hardness)
167.28			1.52	9X-7273	Urethane 90 (Duro Hardness)	
338.80			1.52	9X-4595	Urethane 90 (Duro Hardness)	
4.75		127.00	2.75	184-0844	PTFE 65 (Duro Hardness)	
4.76		140.49	2.44	184-0843	PTFE 65 (Duro Hardness)	
5.00		35.00	3.00	153-8586	PTFE 55 (Duro Hardness)	
		40.00	3.00	153-8584	PTFE 55 (Duro Hardness)	
		140.00	2.50	111-8816	PTFE 55 (Duro Hardness)	
5.40		450.00	2.40	149-2696	Urethane 90 (Duro Hardness)	
5.80		170.00	2.50	180-5050	Plastic	
-440	6.00	172.06	2.61	065-7978	Nitrile Rubber 90 (Duro Hardness)	
	6.00	353.20	2.45	4T-5929	Urethane 90 (Duro Hardness)	
	6.23	220.89	2.40	3E-6783	Urethane 90 (Duro Hardness)	
		227.20	2.40	3E-6784	Urethane 90 (Duro Hardness)	
	6.25	239.20	2.40	121-4160	Nitrile Rubber 90 (Duro Hardness)	
		315.48	2.44	120-5350	Urethane 90 (Duro Hardness)	
	6.40	265.00	2.40	3E-6795	Urethane 90 (Duro Hardness)	
	7.06	56.69	2.82	170-6712	PTFE 65 (Duro Hardness)	
	8.45	63.68	4.00	8C-9140	Urethane 90 (Duro Hardness)	
	9.09	101.19	4.27	7J-3864	Urethane 90 (Duro Hardness)	
		126.59	4.27	9J-2548	Urethane 90 (Duro Hardness)	
		139.29	4.27	8J-9450	Urethane 90 (Duro Hardness)	
		154.86	4.27	7J-3866	Urethane 90 (Duro Hardness)	
		183.75	4.27	4T-4804	Urethane 90 (Duro Hardness)	
		190.09	4.27	7J-3867	Urethane 90 (Duro Hardness)	
		196.45	4.27	121-4166	Urethane 90 (Duro Hardness)	
		215.49	4.27	8J-9916	Urethane 90 (Duro Hardness)	
		221.85	4.27	6E-0251	Urethane 90 (Duro Hardness)	
		266.29	4.27	4T-4807	Urethane 90 (Duro Hardness)	
	9.16	292.45	3.90	121-4164	Urethane 90 (Duro Hardness)	
		317.85	3.90	115-2136	Urethane 90 (Duro Hardness)	
10.08	164.69	5.64	9J-1186	Urethane 90 (Duro Hardness)		
11.43	129.72	3.05	3G-6536	Nylon		
14.25	238.28	3.05	7J-9062	Nylon		