

O-Ring Chart Group 1

Inch Diameters				Metric Diameters (mm)		
BS Number	Inside Diameter	ID	OD	Inside Diameter	ID	OD
0.040+/- 0.003" (1.02 +/- 0.08mm) Diameter / Cross Section						
BS001	0.029+/- 0.004	1/32	3/32	0.74 +/- 0.10	0.8	2.5
BS606	0.070+/- 0.005	5/64	9/64	1.78+/-0.13	2	3.6
BS607	0.100+/- 0.005	7/64	11/64	2.54+/- 0.13	2.8	4.5
0.050+/-0.003" (1.27+/- 0.08MM) Diameter / Cross Section						
BS002	0.042+/- 0.004	3/64	0.130	1.07+/-0.10	1.2	3.3
0.060+/-0.003" (1.52+/-0.08MM) Diameter / Cross Section						
BS003	0.056+/-0.004	1/16	11/64	1.42+/-0.10	1.5	4.1
0.070+/-0.003" (1.78+/-0.08MM) Diameter / Cross Section						
BS004	0.070+/-0.005	5/64	13/64	1.78+/-0.13	2	5
BS005	0.101+/-0.005	7/64	15/64	2.57+/-0.13	2.8	6
BS006	0.114+/-0.005	1/8	1/4	2.90+/-0.13	3	6.2
BS801	0.125+/-0.005	9/64	17/64	3.18+/-0.13	3.5	6.5
BS007	0.145+/-0.005	5/32	9/32	3.68+/-0.13	4	7
BS008	0.176+/-0.005	3/16	5/16	4.47+/-0.13	4.5	8
BS802	0.188+/-0.005	13/64	21/64	4.76+/-0.13	5	8.5
BS009	0.208+/-0.005	7/32	11/32	5.28+/-0.13	5.5	9

BS010	0.239+/-0.005	1/4	3/8	6.07+/-0.13	6	9.5
BS803	0.250+/-0.005	17/64	25/64	6.35+/-0.13	6.5	9.8
0.070+/-0.003" (1.78+/-0.08MM) Diameter / Cross Section						
BS610	0.266+/-0.005	9/32	13/32	6.75+/-0.13	7	10
BS011	0.301+/-0.005	5/16	7/16	7.65+/-0.13	7.5	11
BS804	0.313+/-0.005	21/64	29/64	7.94+/-0.13	8	11.5
BS611	0.344+/-0.005	11/32	15/32	8.73+/-0.13	9	12
BS012	0.364+/-0.005	3/8	1/2	9.25+/-0.13	9.5	12.5
BS013	0.426+/-0.005	7/16	9/16	10.82+/-0.13	11	14.2
BS806	0.438+/-0.005	29/64	37/64	11.11+/-0.13	11.5	14.5
BS014	0.489+/-0.005	1/2	5/8	12.42+/-0.13	12.5	16
BS015	0.551+/-0.007	9/16	11/16	14.00+/-0.18	14	17.5
BS016	0.614+/-0.009	5/8	3/4	15.60+/-0.23	15.5	19
BS017	0.676+/-0.009	11/16	13/16	17.17+/-0.23	17	20.5
BS018	0.739+/-0.009	3/4	7/8	18.77+/-0.23	19	22.5
BS019	0.801+/-0.009	13/16	15/16	20.35+/-0.23	20	24
BS020	0.864+/-0.009	7/8	1	21.95+/-0.23	22	25.5
BS021	0.926+/-0.009	15/16	1 1/16	23.52+/-0.23	23	27
BS022	0.989+/-0.010	1	1 1/8	25.12+/-0.25	25	29
BS023	1.051+/-0.010	1 1/16	1 3/16	26.70+/-0.25	27	30
BS024	1.114+/-0.010	1 1/8	1 1/4	28.30+/-0.25	28	32
BS025	1.176+/-0.011	1 3/16	1 5/16	29.87+/-0.28	30	34
BS026	1.239+/-0.011	1 1/4	1 3/8	31.47+/-0.28	31	35
BS027	1.301+/-0.011	1 5/16	1 7/16	33.05+/-0.28	32	37
BS028	1.364+/-0.013	1 3/8	1 1/2	34.65+/-0.33	35	38
BS517	1.428+/-0.013	1 7/16	1 9/16	36.27+/-0.33	36	40
BS029	1.489+/-0.013	1 1/2	1 5/8	37.82+/-0.33	38	42
BS519	1.553+/-0.013	1 9/16	1 11/16	39.45+/-0.33	39	43

BS030	1.614+/-0.013	1 5/8	1 3/4	41.00+/-0.33	40	45
BS031	1.739+/-0.015	1 3/4	1 7/8	44.17+/-0.38	44	48
0.070+/-0.003" (1.78+/-0.08MM) Diameter / Cross Section						
BS032	1.864+/-0.015	1 7/8	2	47.35+/-0.38	47	51
BS033	1.989+/-0.018	2	2 1/8	50.52+/-0.46	50	55
BS034	2.114+/-0.018	2 1/8	2 1/4	53.70+/-0.46	53	58
BS035	2.239+/-0.018	2 1/4	2 3/8	56.87+/-0.46	56	61
BS036	2.364+/-0.018	2 3/8	2 1/2	60.05+/-0.46	60	65
BS037	2.489+/-0.018	2 1/2	2 5/8	63.22+/-0.46	63	67
BS038	2.614+/-0.020	2 5/8	2 3/4	66.40+/-0.51	65	70
BS039	2.739+/-0.020	2 3/4	2 7/8	69.57+/-0.51	69	75
BS040	2.864+/-0.020	2 7/8	3	72.75+/-0.51	70	77
BS041	2.998+/-0.024	3	3 1/8	75.92+/-0.61	75	80
BS532	3.110+/-0.024	3 1/8	3 1/4	78.99+/-0.61	78	85
BS042	3.239+/-0.024	3 1/4	3 3/8	82.27+/-0.61	80	88
BS534	3.360+/-0.024	3 3/8	3 1/2	85.34+/-0.61	85	90
BS043	3.489+/-0.024	3 1/2	3 5/8	88.62+/-0.61	88	95
BS536	3.610+/-0.027	3 5/8	3 3/4	91.69+/-0.69	90	98
BS044	3.739+/-0.027	3 3/4	3 7/8	94.97+/-0.69	95	100
BS538	3.860+/-0.027	3 7/8	4	98.04+/-0.69	98	102
BS045	3.989+/-0.027	4	4 1/8	101.32+/-0.69	100	105
BS540	4.110+/-0.027	4 1/8	4 1/4	104.39+/-0.69	104	110
BS046	4.239+/-0.030	4 1/4	4 3/8	107.67+/-0.76	107	112
BS542	4.360+/-0.030	4 3/8	4 1/2	110.74+/-0.76	110	115
BS047	4.489+/-0.030	4 1/2	4 5/8	114.02+/-0.76	114	120
BS544	4.610+/-0.030	4 5/8	4 3/4	117.09+/-0.76	116	122
BS048	4.739+/-0.030	4 3/4	4 7/8	120.37+/-0.76	120	125
BS546	4.860+/-0.037	4 7/8	5	123.44+/-0.94	123	130

BS049	4.989+/-0.037	5	5 1/8	126.72+/-0.94	125	132
BS548	5.095+/-0.037	5 1/8	5 1/4	129.41+/-0.94	130	135
0.070+/-0.003" (1.78+/-0.08MM) Diameter / Cross Section						
BS050	5.239+/-0.037	5 1/4	5 3/8	133.07+/-0.94	132	138
BS550	5.345+/-0.037	5 3/8	5 1/2	135.76+/-0.94	135	140
BS551	5.470+/-0.037	5 1/2	5 5/8	138.94+/-0.94	138	145
BS552	5.595+/-0.037	5 5/8	5 3/4	142.11+/-0.94	140	148
BS553	5.720+/-0.037	5 3/4	5 7/8	145.29+/-0.94	145	150
BS554	5.845+/-0.037	5 7/8	6	148.46+/-0.94	148	155
BS555	5.970+/-0.037	6	6 1/8	151.64+/-0.94	150	158
BS556	6.095+/-0.040	6 1/8	6 1/4	154.81+/-1.02	155	160
BS557	6.220+/-0.040	6 1/4	6 3/8	157.99+/-1.02	158	162
BS558	6.345+/-0.040	6 3/8	6 1/2	161.16+/-1.02	160	165
BS559	6.470+/-0.040	6 1/2	6 5/8	164.34 +/-1.02	165	170
BS560	6.595+/-0.040	6 5/8	6 3/4	167.51+/-1.02	167	172
BS561	6.720+/-0.040	6 3/4	6 7/8	170.69+/-1.02	170	175
BS562	6.845+/-0.040	6 7/8	7	173.86+/-1.02	174	180
Group 2						
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS102	0.049+/-0.005	1/16	1/4	1.24+/-0.13	1.5	6
BS103	0.081+/-0.005	3/32	9/32	2.06+/-0.13	2.3	7
BS104	0.112+/-0.005	1/8	5/16	2.84+/-0.13	3	7.5
BS105	0.143+/-0.005	5/32	11/32	3.63+/-0.13	4	8.5
BS106	0.174+/-0.005	3/16	3/8	4.42+/-0.13	4.5	9.5
BS107	0.206+/-0.005	7/32	13/32	5.23+/-0.13	5.5	10
BS108	0.237+/-0.005	1/4	7/16	6.02+/-0.13	6	11
BS109	0.299+/-0.005	5/16	1/2	7.59+/-0.13	7.5	12.5

BS110	0.362+/-0.005	3/8	9/16	9.19+/-0.13	9.5	14
BS613	0.391+/-0.005	13/32	19/32	9.92+/-0.13	10	15
BS111	0.424+/-0.005	7/16	5/8	10.77+/-0.13	11	16
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS614	0.469+/-0.005	15/32	21/32	11.91+/-0.13	11.5	17
BS112	0.487+/-0.005	1/2	11/16	12.37+/-0.13	12	17.5
BS807	0.500+/-0.007	-	-	12.70+/-0.18	12.5	17.8
BS615	0.516+/-0.007	33/64	45/64	13.10+/-0.18	13	18
BS113	0.549+/-0.007	9/16	3/4	13.94+/-0.18	14	19
BS616	0.594+/-0.007	19/32	25/32	15.08+/-0.18	15	20
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS114	0.612+/-0.009	5/8	13/16	15.54+/-0.23	15.5	20.5
BS809	0.625+/-0.009	41/64	53/64	15.88+/-0.23	16	21
BS115	0.674+/-0.009	11/16	7/8	17.12+/-0.23	17	22
BS810	0.688+/-0.009	45/64	57/64	17.46+/-0.23	17.5	22.5
BS617	0.703+/-0.009	23/32	29/32	17.86+/-0.23	18	23
BS116	0.737+/-0.009	3/4	15/16	18.72+/-0.23	19	24
BS117	0.799+/-0.010	13/16	1	20.29+/-0.25	20	25.5
BS812	0.813+/-0.010	53/64	1 1/64	20.64+/-0.25	20.5	26
BS118	0.862+/-0.010	7/8	1 1/16	21.89+/-0.25	21	27
BS813	0.875+/-0.010	57/64	1 5/64	22.23+/-0.25	22	27.5
BS119	0.924+/-0.010	15/16	1 1/8	23.47+/-0.25	23	28.5
BS814	0.938+/-0.010	61/64	1 9/64	23.81+/-0.25	23.5	29
BS120	0.987+/-0.010	1	1 3/16	25.07+/-0.25	25	30
BS121	1.049+/-0.010	1 1/16	1 1/4	26.64+/-0.25	27	32
BS122	1.112+/-0.010	1 1/8	1 5/16	28.24+/-0.25	28	34
BS123	1.174+/-0.012	1 3/16	1 3/8	29.82+/-0.30	30	35

BS124	1.237+/-0.012	1 1/4	1 7/16	31.42+/-0.30	31	37
BS125	1.299+/-0.012	1 5/16	1 1/2	32.99+/-0.30	32	38
BS126	1.362+/-0.012	1 3/8	1 9/16	34.59+/-0.30	35	40
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS127	1.424+/-0.012	1 7/16	1 5/8	36.17+/-0.30	36	42
BS128	1.487+/-0.012	1 1/2	1 11/16	37.77+/-0.30	38	43
BS129	1.549+/-0.015	1 9/16	1 3/4	39.34+/-0.38	39	45
BS130	1.612+/-0.015	1 5/8	1 13/16	40.94+/-0.38	40	47
BS131	1.674+/-0.015	1 11/16	1 7/8	42.52+/-0.38	42	48
BS132	1.737+/-0.015	1 3/4	1 15/16	44.12+/-0.38	44	50
BS133	1.799+/-0.015	1 13/16	2	45.69+/-0.38	45	51
BS134	1.862+/-0.017	1 7/8	2 1/16	47.29+/-0.43	47	53
BS135	1.925+/-0.017	1 15/16	2 1/8	48.90+/-0.43	48	55
BS136	1.987+/-0.017	2	2 3/16	50.47+/-0.43	50	56
BS137	2.050+/-0.017	2 1/16	2 1/4	52.07+/-0.43	52	58
BS138	2.112+/-0.017	2 1/8	2 5/16	53.64+/-0.43	53	60
BS139	2.175+/-0.017	2 3/16	2 3/8	55.25+/-0.43	55	61
BS140	2.237+/-0.017	2 1/4	2 7/16	56.82+/-0.43	56	62
BS141	2.300+/-0.020	2 5/16	2 1/2	58.42+/-0.51	58	65
BS142	2.362+/-0.020	2 3/8	2 9/16	59.99+/-0.51	60	66
BS143	2.425+/-0.020	2 7/16	2 5/8	61.60+/-0.51	61	67
BS144	2.487+/-0.020	2 1/2	2 11/16	63.17+/-0.51	63	69
BS145	2.550+/-0.020	2 9/16	2 3/4	64.77+/-0.51	65	70
BS146	2.612+/-0.020	2 5/8	2 13/16	66.34+/-0.51	66	72
BS147	2.675+/-0.022	2 11/16	2 7/8	67.95+/-0.56	68	74
BS148	2.737+/-0.022	2 3/4	2 15/16	69.52+/-0.56	69	75
BS149	2.800+/-0.022	2 13/16	3	71.12+/-0.56	70	77
BS150	2.862+/-0.022	2 7/8	3 1/16	72.69+/-0.56	72	78

BS640	2.924+/-0.024	2 15/16	3 1/8	74.27+/-0.61	74	80
BS151	2.987+/-0.024	3	3 3/16	75.87+/-0.61	75	82
BS641	3.049+/-0.024	3 1/16	3 1/4	77.44+/-0.61	77	85
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS642	3.174+/-0.024	3 3/16	3 3/8	80.62+/-0.61	80	87
BS152	3.237+/-0.024	3 1/4	3 7/16	82.22+/-0.61	82	88
BS643	3.299+/-0.024	3 5/16	3 1/2	83.79+/-0.61	84	90
BS153	3.487+/-0.024	3 1/2	3 11/16	88.57+/-0.61	88	95
BS154	3.737+/-0.028	3 3/4	3 15/16	94.92+/-0.71	95	100
BS155	3.987+/-0.028	4	4 3/16	101.27+/-0.71	100	110
BS156	4.237+/-0.030	4 1/4	4 7/16	107.62+/-0.76	107	115
BS157	4.487+/-0.030	4 1/2	4 11/16	113.97+/-0.76	114	120
BS158	4.737+/-0.030	4 3/4	4 15/16	120.32+/-0.76	120	130
BS159	4.987+/-0.035	5	5 3/16	126.67+/-0.89	125	135
BS160	5.237+/-0.035	5 1/4	5 7/16	133.02+/-0.89	132	140
BS161	5.487+/-0.035	5 1/2	5 11/16	139.37+/-0.89	138	145
BS162	5.737+/-0.035	5 3/4	5 15/16	145.72+/-0.89	145	155
BS163	5.987+/-0.035	6	6 3/16	152.07+/-0.89	150	160
BS164	6.237+/-0.040	6 1/4	6 7/16	158.42+/-1.02	158	165
BS165	6.487+/-0.040	6 1/2	6 11/16	164.77+/-1.02	165	170
BS166	6.737+/-0.040	6 3/4	6 15/16	171.12+/-1.02	170	180
BS167	6.987+/-0.040	7	7 3/16	177.47+/-1.02	177	185
BS168	7.237+/-0.045	7 1/4	7 7/16	183.82+/-1.14	183	190
BS169	7.487+/-0.045	7 1/2	7 11/16	190.17+/-1.14	190	200
BS170	7.737+/-0.045	7 3/4	7 15/16	196.52+/-1.14	195	205
BS171	7.987+/-0.045	8	8 3/16	202.87+/-1.14	200	210
BS172	8.237+/-0.050	8 1/4	8 7/16	209.22+/-1.27	208	215
BS173	8.487+/-0.050	8 1/2	8 11/16	215.57+/-1.27	215	225

BS174	8.737+/-0.050	8 3/4	8 15/16	221.92+/-1.27	220	230
BS175	8.987+/-0.050	9	9 3/16	228.27+/-1.27	225	235
BS176	9.237+/-0.055	9 1/4	9 7/16	234.62+/-1.40	235	240
0.103+/-0.003" (2.62+/-0.08MM) Diameter / Cross Section						
BS177	9.487+/-0.055	9 1/2	9 11/16	240.97+/-1.40	240	250
BS178	9.737+/-0.055	9 3/4	9 15/16	247.32+/-1.40	245	255
0.139+/-0.004" (3.53+/-0.10MM) Diameter / Cross Section						
BS201	0.171+/-0.005	3/16	7/16	4.34+/-0.13	4.5	11
BS202	0.234+/-0.005	1/4	1/2	5.94+/-0.13	6	12.5
BS203	0.296+/-0.005	5/16	9/16	7.52+/-0.13	7.5	14
BS204	0.359+/-0.005	3/8	5/8	9.12+/-0.13	9.5	16
BS205	0.421+/-0.005	7/16	11/16	10.69+/-0.13	11	17.5
BS206	0.484+/-0.005	1/2	3/4	12.29+/-0.13	12.5	19
BS207	0.546+/-0.007	9/16	13/16	13.87+/-0.18	14	20.5
BS208	0.609+/-0.009	5/8	7/8	15.47+/-0.23	15.5	22
BS209	0.671+/-0.009	11/16	15/16	17.04+/-0.23	17	24
BS210	0.734+/-0.010	3/4	1	18.64+/-0.25	19	25
BS211	0.769+/-0.010	13/16	1 1/16	20.22+/-0.25	20	28
BS212	0.859+/-0.010	7/8	1 1/8	21.82+/-0.25	22	29
BS213	0.921+/-0.010	15/16	1 3/16	23.39+/-0.25	23	30
BS214	0.984+/-0.010	1	1 1/4	24.99+/-0.25	25	32
BS618	1.016+/-0.010	1 1/32	1 9/32	25.80+/-0.25	26	33
BS215	1.046+/-0.010	1 1/16	1 5/16	26.57+/-0.25	27	34
BS216	1.109+/-0.012	1 1/8	1 3/8	28.17+/-0.30	28	35
BS217	1.171+/-0.012	1 3/16	1 7/16	29.74+/-0.30	30	36
BS218	1.234+/-0.012	1 1/4	1 1/2	31.34+/-0.30	31	38
BS219	1.296+/-0.012	1 5/16	1 9/16	32.92+/-0.30	32	40

BS220	1.359+/-0.012	1 3/8	1 5/8	34.52+/-0.30	35	42
BS221	1.421+/-0.012	1 7/16	1 11/16	36.09+/-0.30	36	43
BS222	1.484+/-0.015	1 1/2	1 3/4	37.69+/-0.38	38	45
Group 3						
0.139+/-0.004" (3.53+/-0.10MM) Diameter / Cross Section						
BS824	1.563+/-0.015	1 9/16	1 13/16	39.69+/-0.38	39	47
BS223	1.609+/-0.015	1 5/8	1 7/8	40.87+/-0.38	40	48
BS825	1.625+/-0.015	-	-	41.28+/-0.38	41	49
BS826	1.688+/-0.015	1 11/16	1 15/16	42.86+/-0.38	42	50
BS224	1.734+/-0.015	1 3/4	2	44.04+/-0.38	43	51
BS827	1.750+/-0.015	-	-	44.45+/-0.38	44	52
BS828	1.813+/-0.015	1 13/16	2 1/16	46.04+/-0.38	45	53
BS225	1.859+/-0.018	1 7/8	2 1/8	47.22+/-0.46	46	54
BS829	1.875+/-0.018	-	-	47.63+/-0.46	47	55
BS830	1.938+/-0.018	1 15/16	2 3/16	49.21+/-0.46	48	56
BS226	1.984+/-0.018	2	2 1/4	50.39+/-0.46	49	58
BS831	2.000+/-0.018	-	-	50.80+/-0.46	50	59
BS832	2.063+/-0.018	2 1/16	2 5/16	52.39+/-0.46	52	60
BS227	2.109+/-0.018	2 1/8	2 3/8	53.57+/-0.46	53	61
BS833	2.125+/-0.018	-	-	53.98+/-0.46	54	62
BS834	2.188+/-0.018	2 3/16	2 7/16	55.56+/-0.46	55	63
BS228	2.234+/-0.020	2 1/4	2 1/2	56.74+/-0.51	56	64
BS835	2.250+/-0.020	-	-	57.15+/-0.51	57	65
BS836	2.313+/-0.020	2 5/16	2 9/16	58.74+/-0.51	58	66
BS229	2.359+/-0.020	2 3/8	2 5/8	59.92+/-0.51	59	67
BS837	2.375+/-0.020	-	-	60.33+/-0.51	60	68
BS838	2.438+/-0.020	2 7/16	2 11/16	61.91+/-0.51	61	69
BS230	2.484+/-0.020	2 1/2	2 3/4	63.09+/-0.51	62	70

BS839	2.500+/-0.020	-	-	63.50+/-0.51	63	71
BS840	2.563+/-0.020	2 9/16	2 13/16	65.09+/-0.51	64	72
BS231	2.609+/-0.020	2 5/8	2 7/8	66.27+/-0.51	65	73
BS841	2.625+/-0.020	-	-	66.68+/-0.51	66	74
0.139+/-0.004" (3.53+/-0.10MM) Diameter / Cross Section						
BS842	2.688+/-0.020	2 11/16	2 15/16	68.26+/-0.51	67	75
BS232	2.734+/-0.024	2 3/4	3	69.44+/-0.61	68	76
BS843	2.750+/-0.024	-	-	69.85+/-0.61	69	77
BS844	2.813+/-0.024	2 13/16	3 1/16	71.44+/-0.61	70	79
BS233	2.859+/-0.024	2 7/8	3 1/8	72.62+/-0.61	71	80
BS845	2.875+/-0.024	-	-	73.03+/-0.61	72	81
BS846	2.938+/-0.024	2 15/16	3 3/16	74.61+/-0.61	74	82
BS234	2.984+/-0.024	3	3 1/4	75.79+/-0.61	75	85
BS235	3.109+/-0.024	3 1/8	3 3/8	78.97+/-0.61	78	88
BS236	3.234+/-0.024	3 1/4	3 1/2	82.14+/-0.61	80	90
BS237	3.359+/-0.024	3 3/8	3 5/8	85.32+/-0.61	85	95
BS238	3.484+/-0.024	3 1/2	3 3/4	88.49+/-0.61	88	98
BS239	3.609+/-0.028	3 5/8	3 7/8	91.67+/-0.71	90	100
BS240	3.734+/-0.028	3 3/4	4	94.84+/-0.71	95	102
BS241	3.859+/-0.028	3 7/8	4 1/8	98.02+/-0.71	98	105
BS242	3.984+/-0.028	4	4 1/4	101.19+/-0.71	100	110
BS243	4.109+/-0.028	4 1/8	4 3/8	104.37+/-0.71	104	112
BS244	4.234+/-0.030	4 1/4	4 1/2	107.54+/-0.76	107	115
BS245	4.359+/-0.030	4 3/8	4 5/8	110.72+/-0.76	110	120
BS246	4.484+/-0.030	4 1/2	4 3/4	113.89+/-0.76	114	122
BS247	4.609+/-0.030	4 5/8	4 7/8	117.07+/-0.76	116	125
BS248	4.734+/-0.030	4 3/4	5	120.24+/-0.76	120	130
BS249	4.859+/-0.035	4 7/8	5 1/8	123.42+/-0.89	123	132

BS250	4.984+/-0.035	5	5 1/4	126.59+/-0.89	125	135
BS251	5.109+/-0.035	5 1/8	5 3/8	129.77+/-0.89	130	138
0.139+/-0.004 (3.53+/-0.10mm) Diameter / Cross Section						
BS252	5.234+/-0.035	5 1/4	5 1/2	132.94+/-0.89	132	140
BS253	5.359+/-0.035	5 3/8	5 5/8	136.12+/-0.89	135	145
BS254	5.484+/-0.035	5 1/2	5 3/4	139.29+/-0.89	138	148
BS255	5.609+/-0.035	5 5/8	5 7/8	142.47+/-0.89	140	150
BS256	5.734+/-0.035	5 3/4	6	145.64+/-0.89	145	155
BS257	5.859+/-0.035	5 7/8	6 1/8	148.82+/-0.89	148	158
BS258	5.984+/-0.035	6	6 1/4	151.99+/-0.89	150	160
BS259	6.234+/-0.040	6 1/4	6 1/2	158.34+/-1.02	158	170
BS260	6.484+/-0.040	6 1/2	6 3/4	164.69+/-1.02	165	175
BS261	6.734+/-0.040	6 3/4	7	171.04+/-1.02	170	180
BS262	6.984+/-0.040	7	7 1/4	177.39+/-1.02	177	185
BS263	7.234+/-0.045	7 1/4	7 1/2	183.74+/-1.14	183	195
BS264	7.484+/-0.045	7 1/2	7 3/4	190.09+/-1.14	190	200
BS265	7.734+/-0.045	7 3/4	8	196.44+/-1.14	195	205
BS266	7.984+/-0.045	8	8 1/4	202.79+/-1.14	200	210
BS267	8.234+/-0.050	8 1/4	8 1/2	209.14+/-1.27	208	220
BS268	8.484+/-0.050	8 1/2	8 3/4	215.49+/-1.27	215	225
BS269	8.734+/-0.050	8 3/4	9	221.84+/-1.27	220	230
BS270	8.984+/-0.050	9	9 1/4	228.19+/-1.27	225	235
BS271	9.234+/-0.055	9 1/4	9 1/2	234.54+/-1.40	235	245
BS272	9.484+/-0.055	9 1/2	9 3/4	240.89+/-1.40	240	250
BS273	9.734+/-0.055	9 3/4	10	247.24+/-1.40	245	255
BS274	9.984+/-0.055	10	10 1/4	253.59+/-1.40	250	265
BS275	10.484+/-0.055	10 1/2	10 3/4	266.29+/-1.40	265	275
BS276	10.984+/-0.065	11	11 1/4	278.99+/-1.65	275	290

BS277	11.484+/-0.065	11 1/2	11 3/4	291.69+/-1.65	290	300
BS278	11.984+/-0.065	12	12 1/4	304.39+/-1.65	300	315
0.139+/-0.004 (3.53+/-0.10mm) Diameter / Cross Section						
BS279	12.984+/-0.065	13	13 1/4	329.79+/-1.65	330	340
BS280	13.984+/-0.065	14	14 1/4	355.19+/-1.65	350	365
BS281	14.984+/-0.065	15	15 1/4	380.59+/-1.65	380	390
BS282	15.955+/-0.075	16	16 1/4	405.26+/-1.91	400	415
BS283	16.955+/-0.080	17	17 1/4	430.66+/-2.03	430	440
BS284	17.955+/-0.085	18	18 1/4	456.06+/-2.16	455	465
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS309	0.412+/-0.005	7/16	13/16	10.46+/-0.13	11	20.5
BS310	0.475+/-0.005	1/2	7/8	12.07+/-0.13	12.5	22
BS311	0.537+/-0.007	9/16	15/16	13.64+/-0.18	14	23.5
BS312	0.600+/-0.009	5/8	1	15.24+/-0.23	15.5	25
BS313	0.662+/-0.009	11/16	1 1/16	16.81+/-0.23	17	27
BS314	0.725+/-0.010	3/4	1 1/8	18.42+/-0.25	19	28.5
BS315	0.787+/-0.010	13/16	1 3/16	19.99+/-0.25	20	30
BS316	0.850+/-0.010	7/8	1 1/4	21.59+/-0.25	22	31.5
BS317	0.912+/-0.010	15/16	1 5/16	23.16+/-0.25	23	33
BS318	0.975+/-0.010	1	1 3/8	24.77+/-0.25	25	35
BS319	1.037+/-0.010	1 1/16	1 7/16	26.34+/-0.25	27	36.5
BS320	1.100+/-0.012	1 1/8	1 1/2	27.94+/-0.30	28	38
BS321	1.162+/-0.012	1 3/16	1 9/16	29.51+/-0.30	30	40
BS322	1.225+/-0.012	1 1/4	1 5/8	31.12+/-0.30	31	42
BS323	1.287+/-0.012	1 5/16	1 11/16	32.69+/-0.30	32	43
BS324	1.350+/-0.012	1 3/8	1 3/4	34.29+/-0.30	35	45
BS325	1.475+/-0.015	1 1/2	1 7/8	37.47+/-0.38	38	48

BS326	1.600+/-0.015	1 5/8	2	40.64+/-0.38	40	52
BS327	1.725+/-0.015	1 3/4	2 1/8	43.82+/-0.38	42	55
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS328	1.850+/-0.015	1 7/8	2 1/4	46.99+/-0.38	45	58
BS329	1.975+/-0.018	2	2 3/8	50.17+/-0.46	50	62
BS330	2.100+/-0.018	2 1/8	2 1/2	53.34+/-0.46	52	65
BS331	2.225+/-0.018	2 1/4	2 5/8	56.52+/-0.46	56	68
BS332	2.350+/-0.018	2 3/8	2 3/4	59.69+/-0.46	60	70
BS333	2.475+/-0.020	2 1/2	2 7/8	62.87+/-0.51	63	75
BS334	2.600+/-0.020	2 5/8	3	66.04+/-0.51	65	78
BS335	2.725+/-0.020	2 3/4	3 1/8	69.22+/-0.51	68	80
BS336	2.850+/-0.020	2 7/8	3 1/4	72.39+/-0.51	70	83
BS619	2.938+/-0.024	2 15/16	3 5/16	74.61+/-0.61	72	85
BS337	2.975+/-0.024	3	3 3/8	75.57+/-0.61	75	88
BS338	3.100+/-0.024	3 1/8	3 1/2	78.74+/-0.61	78	90
BS620	3.141+/-0.024	-	-	79.78+/-0.61	80	92
BS339	3.225+/-0.024	3 1/4	3 5/8	81.92+/-0.61	82	95
BS340	3.350+/-0.024	3 3/8	3 3/4	85.09+/-0.61	85	98
BS341	3.475+/-0.024	3 1/2	3 7/8	88.27+/-0.61	88	100
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS621	3.531+/-0.028	3 9/16	3 15/16	89.69+/-0.71	90	101
BS342	3.600+/-0.028	3 5/8	4	91.44+/-0.71	92	102
BS343	3.725+/-0.028	3 3/4	4 1/8	94.62+/-0.71	95	105
BS344	3.850+/-0.028	3 7/8	4 1/4	97.79+/-0.71	98	108
BS622	3.938+/-0.028	3 15/16	4 5/16	100.01+/-0.71	100	110
BS345	3.975+/-0.028	4	4 3/8	100.97+/-0.71	101	112
BS346	4.100+/-0.028	4 1/8	4 1/2	104.14+/-0.71	104	115

BS347	4.225+/-0.030	4 1/4	4 5/8	107.32+/-0.76	107	118
BS623	4.313+/-0.030	4 5/16	4 11/16	109.54+/-0.76	109	120
Group 4						
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS348	4.350+/-0.030	4 3/8	4 3/4	110.49+/-0.76	110	121
BS349	4.475+/-0.030	4 1/2	4 7/8	113.67+/-0.76	114	125
BS350	4.600+/-0.030	4 5/8	5	116.84+/-0.76	116	128
BS860	4.625+/-0.030	-	-	117.48+/-0.76	117	130
BS351	4.725+/-0.030	4 3/4	5 1/8	120.02+/-0.76	120	131
BS861	4.750+/-0.030	-	-	120.65+/-0.76	121	132
BS352	4.850+/-0.030	4 7/8	5 1/4	123.19+/-0.76	123	134
BS862	4.875+/-0.037	-	-	123.83+/-0.94	124	135
BS353	4.975+/-0.037	5	5 3/8	126.37+/-0.94	125	137
BS863	5.000+/-0.037	-	-	127.00+/-0.94	127	138
BS354	5.100+/-0.037	5 1/8	5 1/2	129.54+/-0.94	129	140
BS864	5.125+/-0.037	-	-	130.18+/-0.94	130	141
BS355	5.225+/-0.037	5 1/4	5 5/8	132.72+/-0.94	132	143
BS865	5.250+/-0.037	-	-	133.35+/-0.94	133	145
BS356	5.350+/-0.037	5 3/8	5 3/4	135.89+/-0.94	135	146
BS866	5.375+/-0.037	-	-	136.53+/-0.94	136	148
BS357	5.475+/-0.037	5 1/2	5 7/8	139.07+/-0.94	138	150
BS867	5.500+/-0.037	-	-	139.70+/-0.94	140	151
BS358	5.600+/-0.037	5 5/8	6	142.24+/-0.94	142	153
BS868	5.625+/-0.037	-	-	142.88+/-0.94	143	155
BS359	5.725+/-0.037	5 3/4	6 1/8	145.42+/-0.94	145	156
BS869	5.750+/-0.037	-	-	146.05+/-0.94	146	158
BS360	5.850+/-0.037	5 7/8	6 1/4	148.59+/-0.94	148	160
BS870	5.875+/-0.037	-	-	149.23+/-0.94	149	162

BS361	5.975+/-0.037	6	6 3/8	151.77+/-0.94	150	165
BS644	6.100+/-0.040	6 1/8	6 1/2	154.94+/-1.02	155	168
BS362	6.225+/-0.040	6 1/4	6 5/8	158.12+/-1.02	158	170
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS645	6.350+/-0.040	6 3/8	6 3/4	161.29+/-1.02	160	172
BS363	6.475+/-0.040	6 1/2	6 7/8	164.47+/-1.02	165	175
BS646	6.600+/-0.040	6 5/8	7	167.64+/-1.02	167	180
BS364	6.725+/-0.040	6 3/4	7 1/8	170.82+/-1.02	170	182
BS647	6.850+/-0.040	6 7/8	7 1/4	173.99+/-1.02	174	185
BS365	6.975+/-0.040	7	7 3/8	177.17+/-1.02	177	190
BS366	7.225+/-0.045	7 1/4	7 5/8	183.52+/-1.14	183	195
BS367	7.475+/-0.045	7 1/2	7 7/8	189.87+/-1.14	190	200
BS368	7.725+/-0.045	7 3/4	8 1/8	196.22+/-1.14	195	210
BS369	7.975+/-0.045	8	8 3/8	202.57+/-1.14	200	215
BS370	8.225+/-0.050	8 1/4	8 5/8	208.92+/-1.27	208	220
BS371	8.475+/-0.050	8 1/2	8 7/8	215.27+/-1.27	215	230
BS372	8.725+/-0.050	8 3/4	9 1/8	221.62+/-1.27	220	235
BS373	8.975+/-0.050	9	9 3/8	227.97+/-1.27	225	240
BS374	9.225+/-0.055	9 1/4	9 5/8	234.32+/-1.40	235	245
BS375	9.475+/-0.055	9 1/2	9 7/8	240.67+/-1.40	240	255
BS376	9.725+/-0.055	9 3/4	10 1/8	247.02+/-1.40	245	260
BS377	9.975+/-0.055	10	10 3/8	253.37+/-1.40	250	265
BS378	10.475+/-0.060	10 1/2	10 7/8	266.07+/-1.52	265	280
BS379	10.975+/-0.060	11	11 3/8	278.77+/-1.52	275	290
BS380	11.475+/-0.065	11 1/2	11 7/8	291.47+/-1.65	290	305
BS381	11.975+/-0.065	12	12 3/8	304.17+/-1.65	300	315
BS382	12.975+/-0.065	13	13 3/8	329.57+/-1.65	330	340
BS383	13.975+/-0.070	14	14 3/8	354.97+/-1.78	350	370

BS384	14.975+/-0.070	15	15 3/8	380.37+/-1.78	380	395
BS385	15.955+/-0.075	16	16 3/8	405.26+/-1.91	400	420
BS386	16.955+/-0.080	17	17 3/8	430.66+/-2.03	430	445
0.210+/-0.005" (5.33+/-0.13MM) Diameter / Cross Section						
BS387	17.955+/-0.085	18	18 3/8	456.06+/-2.16	455	470
BS388	18.955+/-0.090	19	19 3/8	481.46+/-2.29	480	500
BS389	19.955+/-0.095	20	20 3/8	506.86+/-2.41	505	525
BS390	20.955+/-0.095	21	21 3/8	532.26+/-2.41	530	550
BS391	21.955+/-0.100	22	22 3/8	557.66+/-2.54	555	575
BS392	22.940+/-0.105	23	23 3/8	582.68+/-2.67	580	600
BS393	23.940+/-0.110	24	24 3/8	608.08+/-2.79	605	625
BS394	24.940+/-0.115	25	25 3/8	633.48+/-2.92	630	650
BS395	25.940+/-0.120	26	26 3/8	658.88+/-3.05	655	675
0.275+/-0.006" (6.99+/-0.15MM) Diameter / Cross Section						
BS425	4.475+/-0.033	4 1/2	5	113.67+/-0.84	114	127
BS624	4.516+/-0.033	4 9/16	5 1/16	114.70+/-0.84	115	128
BS426	4.600+/-0.033	4 5/8	5 1/8	116.84+/-0.84	116	130
BS427	4.725+/-0.033	4 3/4	5 1/4	120.02+/-0.84	120	135
BS428	4.850+/-0.033	4 7/8	5 3/8	123.19+/-0.84	123	137
BS625	4.906+/-0.037	4 15/16	5 7/16	124.62+/-0.94	125	138
BS429	4.975+/-0.037	5	5 1/2	126.37+/-0.94	126	140
BS430	5.100+/-0.037	5 1/8	5 5/8	129.54+/-0.94	130	145
BS431	5.225+/-0.037	5 1/4	5 3/4	132.72+/-0.94	132	147
BS626	5.297+/-0.037	5 5/16	5 13/16	134.54+/-0.94	135	148
BS432	5.350+/-0.037	5 3/8	5 7/8	135.89+/-0.94	136	150
BS433	5.475+/-0.037	5 1/2	6	139.07+/-0.94	140	155
BS434	5.600+/-0.037	5 5/8	6 1/8	142.24+/-0.94	142	158

BS435	5.725+/-0.037	5 3/4	6 1/4	145.42+/-0.94	145	160
BS436	5.850+/-0.037	5 7/8	6 3/8	148.59+/-0.94	148	162
BS437	5.975+/-0.037	6	6 1/2	151.77+/-0.94	150	165
0.275+/-0.006" (6.99+/-0.15MM) Diameter / Cross Section						
BS872	6.125+/-0.040	6 1/8	6 5/8	155.58+/-1.02	155	170
BS438	6.225+/-0.040	6 1/4	6 3/4	158.12+/-1.02	158	172
BS627	6.281+/-0.040	6 5/16	6 13/16	159.54+/-1.02	160	175
BS874	6.375+/-0.040	6 3/8	6 7/8	161.93+/-1.02	162	178
BS439	6.475+/-0.040	6 1/2	7	164.47+/-1.02	165	180
BS628	6.563+/-0.040	6 9/16	7 1/16	166.69+/-1.02	166	181
BS876	6.625+/-0.040	6 5/8	7 1/8	168.28+/-1.02	168	182
BS440	6.725+/-0.040	6 3/4	7 1/4	170.82+/-1.02	170	185
BS878	6.875+/-0.040	6 7/8	7 3/8	174.63+/-1.02	175	190
BS441	6.975+/-0.040	7	7 1/2	177.17+/-1.02	177	192
BS880	7.125+/-0.045	7 1/8	7 5/8	180.98+/-1.14	180	195
BS442	7.225+/-0.045	7 1/4	7 3/4	183.52+/-1.14	183	200
BS882	7.375+/-0.045	7 3/8	7 7/8	187.33+/-1.14	187	202
BS443	7.475+/-0.045	7 1/2	8	189.87+/-1.14	190	205
BS884	7.625+/-0.045	7 5/8	8 1/8	193.68+/-1.14	193	208
BS444	7.725+/-0.045	7 3/4	8 1/4	196.22+/-1.14	195	210
BS886	7.875+/-0.045	7 7/8	8 3/8	200.03+/-1.14	200	215
BS445	7.975+/-0.045	8	8 1/2	202.57+/-1.14	202	220
BS445A	8.225+/-0.055	8 1/4	8 3/4	208.92+/-1.40	208	225
BS446	8.475+/-0.055	8 1/2	9	215.27+/-1.40	215	230
BS446A	8.725+/-0.055	8 3/4	9 1/4	221.62+/-1.40	220	240
BS447	8.975+/-0.055	9	9 1/2	227.97+/-1.40	225	245
BS447A	9.225+/-0.055	9 1/4	9 3/4	234.32+/-1.40	235	250
BS448	9.475+/-0.055	9 1/2	10	240.67+/-1.40	240	260

BS448A	9.725+/-0.055	9 3/4	10 1/4	247.02+/-1.40	245	265
BS449	9.975+/-0.055	10	10 1/2	253.37+/-1.40	250	270
BS449A	10.225+/-0.060	10 1/4	10 3/4	259.72+/-1.52	260	275
0.275+/-0.006" (6.99+/-0.15MM) Diameter / Cross Section						
BS450	10.475+/-0.060	10 1/2	11	266.07+/-1.52	265	280
BS450A	10.725+/-0.060	10 3/4	11 1/4	272.42+/-1.52	270	290
BS451	10.975+/-0.060	11	11 1/2	278.77+/-1.52	275	295
BS451A	11.225+/-0.060	11 1/4	11 3/4	285.12+/-1.52	285	300
BS452	11.475+/-0.060	11 1/2	12	291.47+/-1.52	290	310
BS452A	11.725+/-0.060	11 3/4	12 1/4	297.82+/-1.52	295	315
BS453	11.975+/-0.060	12	12 1/2	304.17+/-1.52	300	320
BS648	12.225+/-0.060	12 1/4	12 3/4	310.52+/-1.52	310	325
BS454	12.475+/-0.060	12 1/2	13	316.87+/-1.52	315	330
BS649	12.725+/-0.060	12 3/4	13 1/4	323.22+/-1.52	320	340
BS455	12.975+/-0.060	13	13 1/2	329.57+/-1.52	330	345
BS650	13.225+/-0.070	13 1/4	13 3/4	335.92+/-1.78	335	350
BS456	13.475+/-0.070	13 1/2	14	342.27+/-1.78	340	360
BS457	13.975+/-0.070	14	14 1/2	354.97+/-1.78	350	370
BS458	14.475+/-0.070	14 1/2	15	367.67+/-1.78	365	385
BS459	14.975+/-0.070	15	15 1/2	380.37+/-1.78	380	400
BS460	15.475+/-0.070	15 1/2	16	393.07+/-1.78	390	410
BS461	15.955+/-0.075	16	16 1/2	405.26+/-1.91	400	420
BS462	16.455+/-0.075	16 1/2	17	417.96+/-1.91	415	435
BS463	16.955+/-0.080	17	17 1/2	430.66+/-2.03	430	450
BS464	17.455+/-0.085	17 1/2	18	443.36+/-2.16	440	460
BS465	17.955+/-0.085	18	18 1/2	456.06+/-2.16	455	470
BS466	18.455+/-0.085	18 1/2	19	468.76+/-2.16	465	485
BS467	18.955+/-0.090	19	19 1/2	481.46+/-2.29	480	500

BS468	19.455+/-0.090	19 1/2	20	494.16+/-2.29	495	510
BS469	19.955+/-0.095	20	20 1/2	506.86+/-2.41	505	525
BS470	20.955+/-0.095	21	21 1/2	532.26+/-2.41	530	550
0.275+/-0.006" (6.99+/-0.15MM) Diameter / Cross Section						
BS471	21.955+/-0.100	22	22 1/2	557.66+/-2.54	555	575
BS472	22.940+/-0.105	23	23 1/2	582.68+/-2.67	580	600
BS473	23.940+/-0.110	24	24 1/2	608.08+/-2.79	605	625
BS474	24.940+/-0.115	25	25 1/2	633.48+/-2.92	630	650
BS475	25.940+/-0.120	26	26 1/2	658.88+/-3.05	655	675

	INCH SIZES		METRIC CONVERSIONS (mm)	
	Diameter	Inside Diameter	Diameter	Inside Diameter
BS901	0.056+/-0.003	0.185+/-0.005	1.42+/-0.08	4.70+/-0.13
BS902	0.064+/-0.003	0.239+/-0.005	1.63+/-0.08	6.07+/-0.13
BS903	0.064+/-0.003	0.301+/-0.005	1.63+/-0.08	7.65+/-0.13
BS904	0.072+/-0.003	0.351+/-0.005	1.83+/-0.08	8.92+/-0.13
BS905	0.072+/-0.003	0.414+/-0.005	1.83+/-0.08	10.52+/-0.13
BS906	0.078+/-0.003	0.468+/-0.005	1.98+/-0.08	11.89+/-0.13
BS907	0.082+/-0.003	0.530+/-0.007	2.08+/-0.08	13.46+/-0.18
BS908	0.087+/-0.003	0.644+/-0.009	2.21+/-0.08	16.36+/-0.23
BS909	0.097+/-0.003	0.706+/-0.009	2.46+/-0.08	17.93+/-0.23
BS910	0.097+/-0.003	0.755+/-0.009	2.46+/-0.08	19.18+/-0.23
BS911	0.116+/-0.004	0.863+/-0.009	2.95+/-0.10	21.92+/-0.23
BS912	0.116+/-0.004	0.924+/-0.009	2.95+/-0.10	23.47+/-0.23
BS913	0.116+/-0.004	0.986+/-0.010	2.95+/-0.10	25.04+/-0.25
BS914	0.116+/-0.004	1.047+/-0.010	2.95+/-0.10	26.59+/-0.25
BS916	0.116+/-0.004	1.171+/-0.010	2.95+/-0.10	29.74+/-0.25

BS918	0.116+/-0.004	1.355+/-0.012	2.95+/-0.10	34.42+/-0.30
BS920	0.118+/-0.004	1.475+/-0.014	3.00+/-0.10	37.47+/-0.36
BS924	0.118+/-0.004	1.720+/-0.014	3.00+/-0.10	43.69+/-0.36
BS928	0.118+/-0.004	2.090+/-0.018	3.00+/-0.10	53.09+/-0.46
BS932	0.118+/-0.004	2.337+/-0.018	3.00+/-0.10	59.36+/-0.46

METRIC SIZES							
	Diameters Inside Diameter	C,T	Cylinder D	Flange Groove Diameters			
				Internal Pressure		External Pressure	
				Vmax	W(H11)	V(H11)	W min
1.6+/-0.08mm Diameter / Cross Section							
BS0031-16	3.1+/-0.15	3.5	6	1.0	6.3	3.5	7.5
BS0041-16	4.1+/-0.15	4.5	7	2.3	7.3	4.5	8.5
BS0051-16	5.1+/-0.15	5.5	8	3.3	8.3	5.5	9.5
BS0061-16	6.1+/-0.15	6.5	9	4.3	9.3	6.5	10.5
BS0071-16	7.1+/-0.15	7.5	10	5.8	10.3	7.5	11.5
BS0081-16	8.1+/-0.15	8.5	11	6.8	11.3	8.5	12.5
BS0091-16	9.1+/-0.115	9.5	12	7.8	12.3	9.5	13.5
BS0101-16	10.1+/-0.20	10.5	13	8.8	13.3	10.5	14.5
BS0111-16	11.1+/-0.20	11.5	14	9.8	14.3	11.5	15.5
BS0121-16	12.1+/-0.20	12.5	15	10.8	15.3	12.5	16.5
BS0131-16	13.1+/-0.20	13.5	16	11.8	16.3	13.5	17.5
BS0141-16	14.1+/-0.20	14.5	17	12.8	17.3	14.5	18.5
BS0151-16	15.1+/-0.20	15.5	18	14.0	18.3	15.5	19.5
BS0161-16	16.1+/-0.20	16.5	19	15	19.3	16.5	20.5
BS0171-16	17.1+/-0.20	17.5	20	16	20.3	17.5	21.5
BS0181-16	18.1+/-0.25	18.5	21	17	21.3	18.5	22.5
BS0191-16	19.1+/-0.25	19.5	22	18	22.3	19.5	23.5

BS0221-16	22.1+/-0.25	22.5	25	21	25.3	22.5	26.5
BS0251-16	25.1+/-0.25	25.5	28	24	28.3	25.5	29.5
BS0271-16	27.1+/-0.25	27.5	30	26	30.3	27.5	31.5
BS0291-16	29.1+/-0.25	29.5	32	28	32.3	29.5	33.5
BS0321-16	32.1+/-0.30	32.5	35	31	35.3	32.5	36.5
BS0351-16	35.1+/-0.30	35.5	38	34	38.3	35.5	39.5
BS0371-16	37.1+/-0.30	37.5	40	36	40.3	37.5	41.5
2.4+/-0.08mm Diameter / Cross Section							
BS0036-24	3.6+/-0.15	4	8	-	8.4	4	10
BS0046-24	4.6+/-0.15	5	9	1.0	9.4	5	11
BS0056-24	5.6+/-0.15	6	10	2.5	10.4	6	12
BS0066-24	6.6+/-0.15	7	11	4.0	11.4	7	13
BS0076-24	7.6+/-0.15	8	12	5.0	12.4	8	14
BS0086-24	8.6+/-0.15	9	13	6.4	13.4	9	15
BS0096-24	9.6+/-0.15	10	14	7.4	14.4	10	16
BS0106-24	10.6+/-0.20	11	15	8.4	15.4	11	17
BS0116-24	11.6+/-0.20	12	16	9.5	16.4	12	18
BS0126-24	12.6+/-0.20	13	17	10.5	17.4	13	19
BS0136-24	13.6+/-0.20	14	18	11.5	18.4	14	20
BS0146-24	14.6+/-0.20	15	19	12.5	19.4	15	21
BS0156-24	15.6+/-0.20	16	20	13.5	20.4	16	22
BS0166-24	16.6+/-0.20	17	21	14.5	21.4	17	23
BS0176-24	17.6+/-0.20	18	22	15.5	22.4	18	24
BS0186-24	18.6+/-0.25	19	23	16.5	23.4	19	25
BS0196-24	19.6+/-0.25	20	24	17.5	24.4	20	26
BS0206-24	20.6+/-0.25	21	25	18.5	25.4	21	27
BS0216-24	21.6+/-0.25	22	26	19.5	26.4	22	28
BS0246-24	24.6+/-0.25	25	29	22.5	29.4	25	31

BS0276-24	27.6+/-0.25	28	32	25.5	32.4	28	34
BS0296-24	29.6+/-0.25	30	34	27.5	34.4	30	36
BS0316-24	31.6+/-0.30	32	36	29.5	36.4	32	38
BS0346-24	34.6+/-0.30	35	39	32.5	39.4	35	41
BS0356-24	35.6+/-0.30	36	40	33.5	40.4	36	42
BS0376-24	37.6+/-0.30	38	42	35.5	42.4	38	44
BS0396-24	39.6+/-0.30	40	44	37.5	44.4	40	46
2.4+/-0.08mm Diameter / Cross Section							
BS0416-24	41.6+/-0.30	42	46	39.5	46.4	42	48
BS0446-24	44.6+/-0.30	45	49	42.5	49.4	45	51
BS0456-24	45.6+/-0.30	46	50	43.5	50.4	46	52
BS0476-24	47.6+/-0.30	48	52	45.5	52.4	48	54
BS0496-24	49.6+/-0.30	50	54	47.5	54.4	50	56
BS0516-24	51.6+/-0.40	52	56	49.5	56.4	52	58
BS0546-24	54.6+/-0.40	55	59	52.5	59.4	55	61
BS0556-24	55.6+/-0.40	56	60	53.5	60.4	56	62
BS0576-24	57.6+/-0.40	58	62	55.5	62.4	58	64
BS0586-24	58.6+/-0.40	59	63	56.5	63.4	59	65
BS0596-24	59.6+/-0.40	60	64	57.5	64.4	60	66
BS0616-24	61.6+/-0.40	62	66	59.5	66.4	62	68
BS0626-24	62.6+/-0.40	63	67	60.5	67.4	63	69
BS0646-24	64.6+/-0.40	65	69	62.5	69.4	65	71
BS0676-24	67.6+/-0.40	68	72	65.5	72.4	68	74
BS0696-24	69.6+/-0.40	70	74	67.5	74.4	70	76
3.0+/-0.10mm Diameter / Cross Section							
BS0195-30	19.5+/-0.25	20	25	17	25	20	28
BS0215-30	21.5+/-0.25	22	27	19	27	22	30

BS0225-30	22.5+/-0.25	23	28	20	28	23	31
BS0245-30	24.5+/-0.25	25	30	22	30	25	33
BS0255-30	25.5+/-0.25	26	31	23	31	26	34
BS0265-30	26.5+/-0.25	27	32	24	32	27	35
BS0275-30	27.5+/-0.25	28	33	25	33	28	36
BS0295-30	29.5+/-0.25	30	35	27	35	30	38
BS0315-30	31.5+/-0.30	32	37	29	37	32	40
3.0+/-0.10mm Diameter / Cross Section							
BS0325-30	32.5+/-0.30	33	38	30	38	33	41
BS0345-30	34.5+/-0.30	35	40	32	40	35	43
BS0355-30	35.5+/-0.30	36	41	33	41	36	44
BS0365-30	36.5+/-0.30	37	42	34	42	37	45
BS0375-30	37.5+/-0.30	38	43	35	43	38	46
BS0395-30	39.5+/-0.30	40	45	37	45	40	48
BS0415-30	41.5+/-0.30	42	47	39	47	42	50
BS0425-30	42.5+/-0.30	43	48	40	48	43	51
BS0445-30	44.5+/-0.30	45	50	42	50	45	53
BS0495-30	49.5+/-0.30	50	55	47	55	50	58
BS0545-30	54.5+/-0.40	55	60	52	60	55	63
BS0555-30	55.5+/-0.40	56	61	53	61	56	64
BS0575-30	57.5+/-0.40	58	63	55	63	58	66
BS0595-30	59.5+/-0.40	60	65	57	65	60	68
BS0625-30	62.5+/-0.40	63	68	60	68	63	71
BS0645-30	64.5+/-0.40	65	70	62	70	65	73
BS0695-30	69.5+/-0.40	70	75	67	75	70	78
BS0745-30	74.5+/-0.40	75	80	72	80	75	83
BS0795-30	79.5+/-0.40	80	85	77	85	80	88
BS0845-30	84.5+/-0.50	85	90	82	90	85	93

BS0895-30	89.5+/-0.50	90	95	87	95	90	98
BS0945-30	94.5+/-0.50	95	100	92	100	95	103
BS0995-30	99.5+/-0.50	100	105	97	105	100	108
BS1045-30	104.5+/-0.50	105	110	102	110	105	113
BS1095-30	109.5+/-0.50	110	115	107	115	110	118
BS1145-30	114.5+/-0.50	115	120	112	120	115	123
BS1195-30	119.5+/-0.50	120	125	117	125	120	128
3.0+/-0.10mm Diameter / Cross Section							
BS1245-30	124.5+/-0.60	125	130	122	130	125	133
BS1295-30	129.5+/-0.60	130	135	127	135	130	138
BS1345-30	134.5+/-0.60	135	140	132	140	135	143
BS1395-30	139.5+/-0.60	140	145	137	145	140	148
BS1445-30	144.5+/-0.60	145	150	142	150	145	153
BS1495-30	149.5+/-0.60	150	155	147	155	150	158
BS1545-30	154.5+/-0.60	155	160	152	160	155	163
BS1595-30	159.5+/-0.60	160	165	157	165	160	168
BS1645-30	164.5+/-0.60	165	170	162	170	165	173
BS1695-30	169.5+/-0.60	170	175	167	175	170	178
BS1745-30	174.5+/-0.60	170	180	172	180	175	183
BS1795-30	179.5+/-0.60	180	185	177	185	180	188
BS1845-30	184.5+/-0.80	185	190	182	190	185	193
BS1895-30	189.5+/-0.80	190	195	187	195	190	198
BS1945-30	194.5+/-0.80	195	200	192	200	195	203
BS1995-30	199.5+/-0.80	200	205	197	205	200	208
BS2095-30	209.5+/-0.80	210	215	207	215	210	218
BS2195-30	219.5+/-0.80	220	225	217	225	220	228
BS2295-30	229.5+/-0.80	230	235	227	235	230	238
BS2395-30	239.5+/-0.80	240	245	237	245	240	248

BS2445-30	244.5+/-0.80	245	250	242	250	245	253
BS2495-30	249.5+/-0.80	250	255	247	255	250	258
5.7+/-0.12mm Diameter / Cross Section							
BS0443-57	44.3+/-0.30	45	55	41	55	45	59
BS0453-57	45.3+/-0.30	46	56	42	56	46	60
BS0493-57	49.3+/-0.30	50	60	46	60	50	64
5.7+/-0.12mm Diameter / Cross Section							
BS0523-57	52.3+/-0.40	53	63	49	63	53	67
BS0543-57	54.3+/-0.40	55	65	51	65	55	69
BS0553-57	55.3+/-0.40	56	66	52	66	56	70
BS0593-57	59.3+/-0.40	60	70	56	70	60	74
BS0623-57	62.3+/-0.40	63	73	59	73	63	77
BS0643-57	64.3+/-0.40	65	75	61	75	65	79
BS0693-57	69.3+/-0.40	70	80	66	80	70	84
BS0743-57	74.3+/-0.40	75	85	71	85	75	89
BS0793-57	79.3+/-0.40	80	90	76	90	80	94
BS0843-57	84.3+/-0.50	85	95	81	95	85	99
BS0893-57	89.3+/-0.50	90	100	86	100	90	104
BS0943-57	94.3+/-0.50	95	105	91	105	95	109
BS0993-57	99.3+/-0.50	100	110	96	110	100	114
BS1043-57	104.3+/-0.50	105	115	101	115	105	119
BS1093-57	109.3+/-0.50	110	120	106	120	110	124
BS1143-57	114.3+/-0.50	115	125	111	125	115	129
BS1193-57	119.3+/-0.50	120	130	116	130	120	134
BS1243-57	124.3+/-0.60	125	135	121	135	125	139
BS1293-57	129.3+/-0.60	130	140	126	140	130	144
BS1343-57	134.3+/-0.60	135	145	131	145	135	149

BS1393-57	139.3+/-0.60	140	150	136	150	140	154
BS1443-57	144.3+/-0.60	145	155	141	155	145	159
BS1493-57	149.3+/-0.60	150	160	146	160	150	164
BS1543-57	154.3+/-0.60	155	165	151	165	155	169
BS1593-57	159.3+/-0.60	160	170	156	170	160	174
BS1643-57	164.3+/-0.60	165	175	161	175	165	179
BS1693-57	169.3+/-0.60	170	180	166	180	170	184
5.7+/-0.12mm Diameter / Cross Section							
BS1743-57	174.3+/-0.60	175	185	171	185	175	189
BS1793-57	179.3+/-0.80	180	190	176	190	180	194
BS1843-57	184.3+/-0.80	185	195	181	195	185	199
BS1893-57	189.3+/-0.80	190	200	185	199	190	204
BS1943-57	194.3+/-0.80	195	205	190	204	195	209
BS1993-57	199.3+/-0.80	200	210	195	209	200	214
BS2093-57	209.3+/-0.80	210	220	205	219	210	224
BS2193-57	219.3+/-0.80	220	230	215	229	220	234
BS2293-57	229.3+/-0.80	230	240	225	239	230	244
BS2393-57	239.3+/-0.80	240	250	235	249	240	254
BS2493-57	249.3+/-0.80	250	260	245	259	250	264
BS2593-57	259.3+/-1.00	260	270	255	269	261	274
BS2693-57	269.3+/-1.00	270	280	265	279	271	285
BS2793-57	279.3+/-1.00	280	290	275	289	281	295
BS2893-57	289.3+/-1.00	290	300	285	299	291	305
BS2993-57	299.3+/-1.00	300	310	295	309	301	315
BS3093-57	309.3+/-1.50	310	320	305	319	311	325
BS3193-57	319.3+/-1.50	320	330	315	329	321	335
BS3393-57	339.3+/-1.50	340	350	335	349	341	355
BS3593-57	359.3+/-1.50	360	370	355	369	361	375

BS3793-57	379.3+/-1.50	380	390	375	389	381	395
BS3893-57	389.3+/-1.50	390	400	385	399	391	405
BS3993-57	399.3+/-1.50	400	410	395	409	401	415
BS4193-57	419.3+/-2.00	420	430	415	429	422	436
BS4393-57	439.3+/-2.00	440	450	435	449	442	456
BS4593-57	459.3+/-2.00	460	470	455	469	462	476
BS4793-57	479.3+/-2.00	480	490	475	489	482	496
5.7+/-0.12mm Diameter / Cross Section							
BS4893-57	489.3+/-2.00	490	500	485	499	492	506
BS4993-57	499.3+/-2.00	500	510	495	509	502	516
8.4+/-0.15mm Diameter / Cross Section							
BS1441-84	144.1+/-0.60	145	160	140	160	145	165
BS1491-84	149.1+/-0.60	150	165	145	165	150	170
BS1541-84	154.1+/-0.60	155	170	150	170	155	175
BS1591-84	159.1+/-0.60	160	175	155	175	160	180
BS1641-84	164.1+/-0.60	165	180	160	180	165	185
BS1691-84	169.1+/-0.60	170	185	165	185	170	190
BS1741-84	174.1+/-0.60	175	190	170	190	175	195
BS1791-84	179.1+/-0.60	180	195	175	195	180	200
BS1841-84	184.1+/-0.80	185	200	180	200	185	205
BS1891-84	189.1+/-0.80	190	205	185	205	190	210
BS1941-84	194.1+/-0.80	195	210	190	210	195	215
BS1991-84	199.1+/-0.80	200	215	195	215	200	220
BS2041-84	204.1+/-0.80	205	220	200	220	205	225
BS2091-84	309.1+/-0.80	210	225	205	225	210	230
BS2191-84	219.1+/-0.80	220	235	215	235	220	240
BS2291-84	229.1+/-0.80	230	245	225	245	230	250

BS2341-84	234.1+/-0.80	235	250	230	250	235	255
BS2391-84	239.1+/-0.80	240	255	235	255	240	260
BS2491-84	249.1+/-0.80	250	265	245	265	250	270

Common Materials for use in O-Rings & Seals			
Material & Temperature	Applications	Use with these Fluids	Don't use with these Fluids
Aegis -30 C to +232 C * reg TM International Seal Co.	Aegis o-rings are moulded of an elastomer that has the broadest chemical resistance of any elastomeric material. They combine the resilience and sealing force of an elastomer with chemical resistance approaching that of Teflon	Most Chemicals	---
Alfas - 30 C to +204C * reg TM Asahi Glass Co.	Alfas is a unique flouroelastomer resistant to petroleum oils, steam, hydrogen sulfide and amine corrosion inhibitors. This compound is generally used in sour gas oil field services.	Petroleum Oils, H2S, Steam.	Acetone Lacquers
Carboxilated Nitrile -54 C to + 135C	A nitirle compound with low temperature and excellent abrasion resistance. Commonly used in downhole applications.	Petroleum Oils, Water	Brake Fluid, Phosphate
Dupont Dow Viton -30 C to + 240 C	Featuring excellent resistance to petroleum products and solvents, with good high temperature and low compression set characteristics. For use with wide chemical exposure situations, and with low gas permeability, it is also suited for hard vacuum service.	Petroleum Oils, Gasoline, Transmission Fluid	Acetone H2S, Hot Water Amines

Ethylene Propylene -54 C to + 150 C	Ethylene Propylene has excellent ozone and chemical resistance characteristics. Generally used in steam and automotive brake systems.	Brake Fluids, Refrigerants, Steam	Petroleum Oils Diester Lubricants
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Common Materials for use in O-Rings & Seals			
Material & Temperature	Applications	Use with these Fluids	Don't use with these Fluids
Fluorosilicone -56 C to + 204 C	Fluorosilicone combines the good high and low temperature stability of Silicone with the fuel, oil and solvent resistance of fluorocarbon	Petroleum Oils, Gasoline	Acetone, Ethyl Acetate
Highly Saturated Nitrile (HSN, HNBR) -26 C to + 160 C	A nitrile compound with excellent resistance to petroleum oils and sour gas. With the extended temperature range, HSN is becoming a preferred compound in the oil patch.	Petroleum Oils, H2S, CO2	Brake Fluid.
Neoprene -40 C to + 135 C	Due to its excellent resistance to Freon and Ammonia Neoprene is widely accepted as a preferred material for refrigeration seals.	Refrigerants, Alchol, Ozone.	Petroleum Oils Toluene
Nitrile (Buna-N) -40 to + 135 C Nitrile (Low-Temp) -65 C to + 120 C	Presently the seal industrys most widely used elastomer. Nitrile combines excellent resistance to petroleum based oils and fuels, silicone greases, hydraulic fluids, water and alchol's. It has a good balance of working properities such as low compression set, high tensile strength, high abrasion resistance, combined with a low cost.	Petroleum Oils, Water. Hydraulic Oils.	Brake Fluid, Ketones, Phosphate Esters, H2S
Polyurethane	An excellent material with high abrasion resistance	Petroleum Oils,	Brake fluid

-40 C to + 105 C	characteristics and high tensile strength. Used in high pressure hydraulic systems where highly stressed parts are subject to wear.	Hydraulic Oils.	
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Common Materials for use in O-Rings & Seals			
Material & Temperature	Applications	Use with these Fluids	Don't use with these Fluids
Silicone -65 C to + 260 C	Silicone is resistant to high, dry heat, in primarily static applications. It has low compression set characteristics and a wide temperature range.	Dry Heat, Alcohol, Vegetable Oil	Petroleum Oils & Fuels
Teflon -20 C to + 204 C	Teflon is a tough chemically inert polymer possessing an incredible working range. For static and slow intermittent dynamic situations. Teflon is hampered only by its poor memory at low temperature.	Most chemicals	---

OTHER SIZES ARE AVAILABLE ON REQUEST