



Bonded Seals British imperial

Thread Diameter M		Size reference	Self-centring reference	D +0.13 -0.00	d +0.13	d ₁	Minimum burst pressure bar
Inch	BSP						
6BA		001		6.35	3.05	4.09/4.16	2150
4BA		002		7.26	4.12	5.26	1570
2BA		003		8.38	5.21	6.35	1360
1/4		004		13.21	6.86	8	2430
1/4		005		13.34	6.99	9.53	1680
5/16		006		13.34	8.31	9.83	1680
5/16		007		14.22	8.64	10.04	1750
3/8	1/8	020	820	15.88	10.37	11.84	1480
0.4		008		18.36	11.26	12.45	1950
7/16		009		19.05	11.69	13.08	1890
1/2	1/4	021	821	22.057	13.74	15.21	1540
9/16		010		22.23	14.86	16.39	1560
0.6		022		22.23	15.83	17.3	1290
5/8		011		25.4	16.51	18.75	1560
	3/8	023	823	23.8	17.28	18.75	1230
11/16		012		25.4	18.16	19.69	1310
3/4		024		26.92	19.69	21.21	1230
13/16	1/2	025	825	28.58	21.54	23.01	1120
7/8	5/8	026	826	31.75	23.49	24.97	1240
15/16		013		33.27	24.26	26.04	1275
1	3/4	027	827	34.93	27.05	28.53	1050
1.1/16		028		28.61	27.82	30.61	1210
1.1/8		014		36.58	29.33	30.86	880
1.3/16	7/8	029	829	38.1	30.81	32.39	860
1.1/4		015		41.4	32.64	35.69	775
1.5/16	1	030	830	42.8	33.89	36.88	780
1.5/16	1	031		42.8	33.89	36.88	780
1.3/8		016		44.45	35.94	38.99	680
1.1/2		017		47.78	38.96	42.04	660
1.5/8	1.1/4	032	832	52.38	42.93	45.93	690
1.3/4		018		57.15	45.34	48.39	870
1.7/8	1.1/2	033	832	58.6	48.44	51.39	690
2		019		63.5	51.69	54.74	780
2.1/8	1.3/4	034	834	69.85	54.89	58.3	950
2.1/4		035		70.36	58.04	61.09	740
	2	036	836	73.03	60.58	63.63	720
2.1/2		037		77.72	64.39	67.44	750
	2.1/4	038	838	79.5	66.68	69.98	670
	2.1/2	039	839	90.17	76.08	79.38	680



Bonded Seals French metric

Thread Diameter M	Size reference	OD +0.13 -0.00	Id +0.13	Thickness	Minimum burst pressure bar
3	301	7.50	3.60		1980
4	302	9.00	4.60	1.00	2000
5	303	10.00	5.60		1780
6	304	11.00	6.60		1680
6	305	13.27	6.85	1.30	1970
6	306	11.40	7.00	1.00	1540
8	307	13.00	8.60		1330
10	310	17.00	10.70		1730
11	311	18.10	11.80		1610
12	312	19.00	12.70	1.50	1530
13	315	20.10	13.80		1430
14	316	21.00	14.70		1370
16	317	23.00	16.70		1240
16.5	319	23.90	17.20	2.10	1020
17	318	23.70	17.40	1.50	1130
18	320	27.00	18.70		1450
20	321	29.00	20.70		1340
21	323	30.00	21.70		1290
22	324	31.00	22.70		1240
23	325	32.00	23.70		965
24	326	33.00	24.70	2.00	1160
26	327	35.30	27.00		860
27	328	36.00	27.70		1060
28	329	36.00	28.60		7220
28.5	330	37.50	29.20		810
30	331	39.00	30.70		970
33	332	42.00	33.70		900
36	333	48.00	37.00		1010
39	334	51.00	40.00		950
42	335	54.00	43.00	2.50	890
45	336	57.00	46.00		860
48	337	60.00	49.00		790



Bonded Seals German metric

Thread Diameter M	Size reference	OD +0.13 -0.00	Id +0.13	Thickness	Minimum burst pressure bar
3.5	201	7.20	4.10	1.00	1600
4	202	7.00	4.50		1270
5	203	9.00	5.70		1400
5	204	10.00	5.70		1510
5.5	205	9.20	6.20		1220
6	206	10.00	6.70		1120
6	207	11.00	6.70	2.50	1480
6	208	11.00	6.70		1480
6.5	209	12.00	7.10	1.00	1560
6.7	210	10.20	7.30		850
8	211	13.40	8.50		1780
8	212	13.00	8.70		1330
8	213	14.00	8.70		1510
8	214	16.00	8.70		2150
8.5	215	13.30	9.30		1200
10	216	16.00	10.35	2.00	1470
10	217	16.00	10.70		1300
10	218	18.00	10.70	1.50	1880
11	219	16.30	11.40		1280
11	220	18.50	11.80		1540
11	221	19.10	11.80		1760
12	222	18.00	12.70		1150
12	223	20.00	12.70		1680
13	224	20.00	13.70		1340
13	225	22.00	13.70		1810
13.5	226	18.70	14.00		900
14	227	22.00	14.70		1510
15	228	22.70	16.00	1260	
16	229	24.00	16.70	1370	
17	230	24.00	17.40	1150	
17.5	231	24.70	18.00	1070	
18	232	26.00	18.70	1260	
20	233	28.00	20.70	1140	
21	234	28.70	21.50	2.50	1080
22	235	28.00	22.50	1.50	760
22	236	30.00	22.70	2.00	1080
22	237	30.00	22.70	3.00	1080

Cont'd



Thread Diameter M	Size reference	OD +0.13 -0.00	Id +0.13	Thickness	Minimum burst pressure bar
24	238	32.00	24.70	2.00	1000
27	240	36.00	27.20		1130
30	242	39.00	31.00		870
33	243	42.00	33.70		840
33	244	43.00	34.30	2.50	870
36	245	46.00	36.70		890
39	246	51.00	40.00	3.00	1030
42	247	53.00	42.70		930
48	248	59.00	48.70		790
51	249	60.00	52.00		540
52	250	64.50	53.30	3.50	710
60	251	73.00	60.70		780
68	252	79.50	68.60	3.50	510
75	253	90.30	76.08	3.38	700
88	254	101.48	89.09	3.25	510
125	255	143.67	127.00	5.00	420

Preferred size



Bonded seal materials

Polymer Base	Temperature range °C	Hardness IRHD	Dowty Compound	Applications									
				Mineral based hydraulic fluids	National water approved	Food & drug authority approved	Petrol	Mineral based engine lubricating oils	High Temp applications	Ozone resistance	High Temp steam acids & alkalis	Hot air	Polyglycol based fluids
High Nitrile	-30 to +110	70-80	5575	-			-	-					
	-30 to +110	85-95	5590	-			-	-					
	-30 to +110	65-75	0117	-		-	-	-					
Medium Nitrile	-40 to +110	65-75	4470	-				-					
	-30 to +110	85-95	4490	-				-					
	-40 to +110	65-75	2455		-	-							
Fluoro-carbon	-10 to +200	80-90	1631	-			-	-	-	-	-	-	
	-15 to +200	65-75	9707	-			-	-	-	-	-	-	
	-15 to +200	71-80	9775	-			-	-	-	-	-	-	
Fluoro-silicone	-60 to +200	55-65	8825	-			-	-		-	-	-	
Silicone	-70 to +200	65-75	8870						-	-	-		
EPDM	-50 to +120	70-80	2064						-	-	-	-	-
AFLAS	-5 to +200	76-84	2484						-	-	-	-	

Preferred compounds