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STANDARD ORINGS BS1806

BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
001	0.74	0.08	1.02	0.08
002	1.07	0.08	1.27	0.08
003	1.42	0.08	1.52	0.08
606	1.78	0.13	1.02	0.08
607	2.54	0.13	1.02	0.08
Cross Section .070" + / - .003" (1.78mm + / - 0.08mm)				
004	1.78	0.13	1.78	0.08
005	2.57	0.13	1.78	0.08
006	2.9	0.13	1.78	0.08
801	3.17	0.13	1.78	0.08
007	3.68	0.13	1.78	0.08
008	4.48	0.13	1.78	0.08
802	4.76	0.13	1.78	0.08
009	5.28	0.13	1.78	0.08
010	6.07	0.13	1.78	0.08
803	6.35	0.13	1.78	0.08
610	6.75	0.13	1.78	0.08
011	7.66	0.13	1.78	0.08
804	7.94	0.13	1.78	0.08
611	8.73	0.13	1.78	0.08
012	9.25	0.13	1.78	0.08
013	10.82	0.13	1.78	0.08
806	11.11	0.13	1.78	0.08
014	12.42	0.13	1.78	0.08
015	14	0.18	1.78	0.08
016	15.6	0.23	1.78	0.08
017	17.16	0.23	1.78	0.08
018	18.77	0.23	1.78	0.08
019	20.35	0.23	1.78	0.08
020	21.95	0.23	1.78	0.08
021	23.53	0.23	1.78	0.08

Cross Section .070" + / - .003" (1.78mm + / - 0.08mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
022	25.12	0.25	1.78	0.08
023	26.7	0.25	1.78	0.08
024	28.3	0.25	1.78	0.08
025	29.87	0.28	1.78	0.08
026	31.47	0.28	1.78	0.08
027	33.05	0.28	1.78	0.08
028	34.65	0.33	1.78	0.08
517	36.27	0.33	1.78	0.08
029	37.82	0.33	1.78	0.08
519	39.45	0.33	1.78	0.08
030	41	0.33	1.78	0.08
031	44.17	0.38	1.78	0.08
032	47.37	0.38	1.78	0.08
033	50.32	0.46	1.78	0.08
034	53.67	0.46	1.78	0.08
035	56.87	0.46	1.78	0.08
036	60.04	0.46	1.78	0.08
037	63.22	0.46	1.78	0.08
038	66.4	0.51	1.78	0.08
039	69.57	0.51	1.78	0.08
040	72.76	0.51	1.78	0.08
041	75.92	0.61	1.78	0.08
532	79	0.61	1.78	0.08
042	82.28	0.61	1.78	0.08
534	85.34	0.61	1.78	0.08
043	88.62	0.61	1.78	0.08
536	91.7	0.69	1.78	0.08
044	94.97	0.69	1.78	0.08
538	98.05	0.69	1.78	0.08
045	101.34	0.69	1.78	0.08

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STANDARD ORINGS BS1806

Cross Section .070" + / - .003" (1.78mm + / - 0.08mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
540	104.4	0.76	1.78	0.08
046	107.7	0.76	1.78	0.08
542	110.74	0.76	1.78	0.08
047	114	0.76	1.78	0.08
544	117.1	0.76	1.78	0.08
048	120.4	0.76	1.78	0.08
546	123.44	0.94	1.78	0.08
049	126.76	0.94	1.78	0.08
548	129.4	0.94	1.78	0.08
050	133.07	0.94	1.78	0.08
Cross Section 3/32" Nominal.103" + / - .003" (2.62mm + / - 0.08mm)				
102	1.24	0.13	2.62	0.08
103	2.06	0.13	2.62	0.08
104	2.84	0.13	2.62	0.08
105	3.63	0.13	2.62	0.08
106	4.42	0.13	2.62	0.08
107	5.23	0.13	2.62	0.08
108	6.02	0.13	2.62	0.08
109	7.6	0.13	2.62	0.08
110	9.19	0.13	2.62	0.08
613	9.92	0.13	2.62	0.08
111	10.78	0.13	2.62	0.08
614	11.91	0.13	2.62	0.08
112	12.37	0.13	2.62	0.08
615	13.1	0.13	2.62	0.08
113	13.95	0.18	2.62	0.08
616	15.08	0.18	2.62	0.08
114	15.54	0.23	2.62	0.08
809	15.88	0.23	2.62	0.08
115	17.13	0.23	2.62	0.08

Cross Section 3/32" Nominal.103" + / - .003" (2.62mm + / - 0.08mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
617	17.86	0.23	2.62	0.08
116	18.72	0.23	2.62	0.08
117	20.29	0.25	2.62	0.08
812	20.63	0.25	2.62	0.08
118	21.89	0.25	2.62	0.08
813	22.22	0.25	2.62	0.08
119	23.47	0.25	2.62	0.08
814	23.81	0.25	2.62	0.08
120	25.07	0.25	2.62	0.08
121	26.64	0.25	2.62	0.08
122	28.25	0.25	2.62	0.08
123	29.82	0.3	2.62	0.08
124	31.42	0.3	2.62	0.08
125	33	0.3	2.62	0.08
126	34.59	0.3	2.62	0.08
127	36.17	0.3	2.62	0.08
128	37.77	0.3	2.62	0.08
129	39.34	0.38	2.62	0.08
130	40.95	0.38	2.62	0.08
131	42.54	0.38	2.62	0.08
132	44.12	0.38	2.62	0.08
133	45.69	0.38	2.62	0.08
134	47.29	0.43	2.62	0.08
135	48.9	0.43	2.62	0.08
136	50.47	0.43	2.62	0.08
137	52.07	0.43	2.62	0.08
138	53.65	0.43	2.62	0.08
139	55.25	0.43	2.62	0.08
140	56.82	0.43	2.62	0.08
141	58.42	0.51	2.62	0.08

SEALS

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STANDARD ORINGS BS1806

Cross Section 3/32" Nominal .103" + / - .003" (2.62mm + / - 0.08mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
142	60	0.51	2.62	0.08
143	61.6	0.51	2.62	0.08
144	63.17	0.51	2.62	0.08
145	64.77	0.51	2.62	0.08
146	66.35	0.51	2.62	0.08
147	67.95	0.56	2.62	0.08
148	69.52	0.56	2.62	0.08
149	71.12	0.56	2.62	0.08
150	72.69	0.56	2.62	0.08
640	74.3	0.61	2.62	0.08
151	75.87	0.61	2.62	0.08
641	77.5	0.61	2.62	0.08
642	80.6	0.61	2.62	0.08
152	82.22	0.61	2.62	0.08
643	83.8	0.61	2.62	0.08
153	88.57	0.61	2.62	0.08
154	94.93	0.71	2.62	0.08
155	101.27	0.71	2.62	0.08
156	107.63	0.76	2.62	0.08
157	113.98	0.76	2.62	0.08
158	120.33	0.76	2.62	0.08
159	126.67	0.89	2.62	0.08
160	133	0.89	2.62	0.08
161	139.38	0.89	2.62	0.08
162	145.72	0.89	2.62	0.08
163	152.07	0.89	2.62	0.08
164	158.41	1.02	2.62	0.08
165	164.78	1.02	2.62	0.08
166	171.13	1.02	2.62	0.08
167	177.47	1.02	2.62	0.08

Cross Section 3/32" Nominal .103" + / - .003" (2.62mm + / - 0.08mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
168	183.83	1.14	2.62	0.08
169	190.18	1.14	2.62	0.08
170	196.53	1.14	2.62	0.08
171	202.87	1.14	2.62	0.08
172	209.23	1.27	2.62	0.08
173	215.58	1.27	2.62	0.08
174	221.93	1.27	2.62	0.08
175	228.28	1.27	2.62	0.08
176	234.63	1.4	2.62	0.08
177	240.98	1.4	2.62	0.08
178	247.33	1.4	2.62	0.08

Cross Section 1/8" Nominal .139" + / - .004" (3.53mm + / - 0.10mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
201	4.34	0.13	3.53	0.1
202	5.94	0.13	3.53	0.1
203	7.52	0.13	3.53	0.1
204	9.12	0.13	3.53	0.1
205	10.69	0.13	3.53	0.1
206	12.29	0.13	3.53	0.1
207	13.87	0.18	3.53	0.1
208	15.47	0.23	3.53	0.1
209	17.04	0.23	3.53	0.1
210	18.64	0.25	3.53	0.1
211	20.22	0.25	3.53	0.1
212	21.82	0.25	3.53	0.1
213	23.4	0.25	3.53	0.1
214	24.99	0.25	3.53	0.1
618	25.8	0.25	3.53	0.1
215	26.58	0.25	3.53	0.1
216	28.17	0.3	3.53	0.1
217	29.75	0.3	3.53	0.1

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STANDARD ORINGS BS1806

Cross Section 1/8" Nominal .139" + / - .004" (3.53mm + / - 0.10mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
218	31.34	0.3	3.53	0.1
219	32.92	0.3	3.53	0.1
220	34.52	0.3	3.53	0.1
221	36.1	0.3	3.53	0.1
222	37.69	0.38	3.53	0.1
824	39.69	0.38	3.53	0.1
223	40.87	0.38	3.53	0.1
825	41.28	0.38	3.53	0.1
826	42.86	0.38	3.53	0.1
224	44.04	0.38	3.53	0.1
827	44.45	0.46	3.53	0.1
828	46.04	0.46	3.53	0.1
225	47.22	0.46	3.53	0.1
829	47.63	0.46	3.53	0.1
830	49.21	0.46	3.53	0.1
226	50.4	0.46	3.53	0.1
831	50.8	0.46	3.53	0.1
832	52.39	0.46	3.53	0.1
227	53.57	0.46	3.53	0.1
833	53.98	0.51	3.53	0.1
834	55.56	0.51	3.53	0.1
228	56.74	0.51	3.53	0.1
835	57.15	0.51	3.53	0.1
836	58.74	0.51	3.53	0.1
229	59.92	0.51	3.53	0.1
837	60.33	0.51	3.53	0.1
838	61.9	0.51	3.53	0.1
230	63.09	0.51	3.53	0.1
839	63.5	0.51	3.53	0.1
840	65.1	0.51	3.53	0.1

Cross Section 1/8" Nominal .139" + / - .004" (3.53mm + / - 0.10mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
231	66.27	0.51	3.53	0.1
841	66.67	0.61	3.53	0.1
842	68.26	0.61	3.53	0.1
232	69.44	0.61	3.53	0.1
843	69.85	0.61	3.53	0.1
844	71.44	0.61	3.53	0.1
233	72.62	0.61	3.53	0.1
845	73.02	0.61	3.53	0.1
846	74.6	0.61	3.53	0.1
234	75.8	0.61	3.53	0.1
235	78.97	0.61	3.53	0.1
236	82.14	0.61	3.53	0.1
237	85.32	0.61	3.53	0.1
238	88.5	0.61	3.53	0.1
239	91.67	0.71	3.53	0.1
240	94.84	0.71	3.53	0.1
241	98.02	0.71	3.53	0.1
242	101.2	0.71	3.53	0.1
243	104.37	0.71	3.53	0.1
244	107.54	0.76	3.53	0.1
245	110.72	0.76	3.53	0.1
246	113.9	0.76	3.53	0.1
247	117.07	0.76	3.53	0.1
248	120.25	0.76	3.53	0.1
249	123.42	0.89	3.53	0.1
250	126.6	0.89	3.53	0.1
251	129.77	0.89	3.53	0.1
252	132.94	0.89	3.53	0.1
253	136.12	0.89	3.53	0.1
254	139.3	0.89	3.53	0.1

SEALS

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STANDARD ORINGS BS1806

Cross Section 1/8" Nominal .139" + / - .004" (3.53mm + / - 0.10mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
255	142.7	0.89	3.53	0.1
256	145.65	0.89	3.53	0.1
257	148.82	0.89	3.53	0.1
258	151.99	0.89	3.53	0.1
259	158.35	1.02	3.53	0.1
260	164.7	1.02	3.53	0.1
261	171.05	1.02	3.53	0.1
262	177.4	1.02	3.53	0.1
263	183.75	1.14	3.53	0.1
264	190.1	1.14	3.53	0.1
265	196.44	1.14	3.53	0.1
266	202.79	1.14	3.53	0.1
267	209.14	1.27	3.53	0.1
268	215.49	1.27	3.53	0.1
269	221.84	1.27	3.53	0.1
270	228.19	1.27	3.53	0.1
271	234.54	1.4	3.53	0.1
272	240.89	1.4	3.53	0.1
273	247.24	1.4	3.53	0.1
274	253.59	1.4	3.53	0.1
275	266.3	1.4	3.53	0.1
276	279	1.65	3.53	0.1
277	291.7	1.65	3.53	0.1
278	304.39	1.65	3.53	0.1
279	329.8	1.65	3.53	0.1
280	355.2	1.65	3.53	0.1
281	380.6	1.65	3.53	0.1
282	405.26	1.91	3.53	0.1
283	430.66	2.03	3.53	0.1
284	456.06	2.16	3.53	0.1

Cross Section 3/16" Nominal .210" + / - .005" (5.33mm + / - 0.13mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
309	10.46	0.13	5.33	0.13
310	12.07	0.13	5.33	0.13
311	13.64	0.18	5.33	0.13
312	15.24	0.23	5.33	0.13
313	16.81	0.23	5.33	0.13
314	18.42	0.25	5.33	0.13
315	19.99	0.25	5.33	0.13
316	21.59	0.25	5.33	0.13
317	23.16	0.25	5.33	0.13
318	24.77	0.25	5.33	0.13
319	26.34	0.25	5.33	0.13
320	27.94	0.28	5.33	0.13
321	29.51	0.28	5.33	0.13
322	31.12	0.28	5.33	0.13
323	32.69	0.28	5.33	0.13
324	34.29	0.28	5.33	0.13
325	37.47	0.38	5.33	0.13
326	40.65	0.38	5.33	0.13
327	43.82	0.38	5.33	0.13
328	47	0.38	5.33	0.13
329	50.16	0.46	5.33	0.13
330	53.34	0.46	5.33	0.13
331	56.52	0.46	5.33	0.13
332	59.7	0.46	5.33	0.13
333	62.87	0.51	5.33	0.13
334	66.04	0.51	5.33	0.13
335	69.22	0.51	5.33	0.13
336	72.4	0.51	5.33	0.13
619	74.63	0.51	5.33	0.13
337	75.57	0.61	5.33	0.13

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STANDARD ORINGS BS1806

Cross Section 3/16" Nominal .210" + / - .005" (5.33mm + / - 0.13mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
338	78.74	0.61	5.33	0.13
620	79.77	0.61	5.33	0.13
339	81.92	0.61	5.33	0.13
340	85.09	0.61	5.33	0.13
341	89.69	0.71	5.33	0.13
621	88.27	0.71	5.33	0.13
342	91.44	0.71	5.33	0.13
343	94.62	0.71	5.33	0.13
344	97.8	0.71	5.33	0.13
622	100	0.71	5.33	0.13
345	100.97	0.71	5.33	0.13
346	104.14	0.71	5.33	0.13
347	107.32	0.76	5.33	0.13
623	109.54	0.76	5.33	0.13
348	110.49	0.76	5.33	0.13
349	113.67	0.76	5.33	0.13
350	116.84	0.76	5.33	0.13
860	117.48	0.76	5.33	0.13
351	120.02	0.76	5.33	0.13
861	120.7	0.76	5.33	0.13
352	123.2	0.76	5.33	0.13
862	123.8	0.94	5.33	0.13
353	126.37	0.94	5.33	0.13
863	127	0.94	5.33	0.13
354	129.54	0.94	5.33	0.13
864	130.18	0.94	5.33	0.13
355	132.72	0.94	5.33	0.13
865	133.35	0.94	5.33	0.13
356	135.9	0.94	5.33	0.13
866	136.53	0.94	5.33	0.13

Cross Section 3/16" Nominal .210" + / - .005" (5.33mm + / - 0.13mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
357	139.07	0.94	5.33	0.13
867	139.7	0.94	5.33	0.13
358	142.24	0.94	5.33	0.13
868	142.88	0.94	5.33	0.13
359	145.42	0.94	5.33	0.13
869	146.05	0.94	5.33	0.13
360	148.6	0.94	5.33	0.13
870	149.23	0.94	5.33	0.13
361	151.77	0.94	5.33	0.13
644	155	1.02	5.33	0.13
362	158.12	1.02	5.33	0.13
645	161.3	1.02	5.33	0.13
363	164.47	1.02	5.33	0.13
646	167.7	1.02	5.33	0.13
364	170.82	1.02	5.33	0.13
365	177.17	1.02	5.33	0.13
366	183.52	1.14	5.33	0.13
367	189.87	1.14	5.33	0.13
368	196.22	1.14	5.33	0.13
369	202.57	1.14	5.33	0.13
370	208.92	1.27	5.33	0.13
371	215.27	1.27	5.33	0.13
372	221.62	1.27	5.33	0.13
373	227.97	1.27	5.33	0.13
374	234.32	1.4	5.33	0.13
375	240.67	1.4	5.33	0.13
376	247.02	1.4	5.33	0.13
377	253.37	1.4	5.33	0.13
378	266.07	1.52	5.33	0.13
379	278.77	1.52	5.33	0.13

SEALS

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STANDARD ORINGS BS1806

Cross Section 3/16" Nominal .210" + / - .005" (5.33mm + / - 0.13mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
380	291.47	1.65	5.33	0.13
381	304.17	1.65	5.33	0.13
382	329.57	1.65	5.33	0.13
383	354.97	1.78	5.33	0.13
384	380.37	1.78	5.33	0.13
385	405.26	1.91	5.33	0.13
386	430.66	2.03	5.33	0.13
387	456.06	2.16	5.33	0.13
388	481.46	2.29	5.33	0.13
389	506.81	2.41	5.33	0.13
390	532.2	2.41	5.33	0.13
391	557.6	2.54	5.33	0.13
392	582.68	2.67	5.33	0.13
393	608.08	2.79	5.33	0.13
394	633.48	2.92	5.33	0.13
395	658.88	3.05	5.33	0.13
Cross Section 1/4" Nominal .275" + / - .006 (6.99mm + / - 0.15mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
425	113.67	0.84	6.99	0.15
624	114.7	0.84	6.99	0.15
426	116.84	0.84	6.99	0.15
427	120.02	0.84	6.99	0.15
428	123.2	0.84	6.99	0.15
625	124.6	0.94	6.99	0.15
429	126.37	0.94	6.99	0.15
430	129.54	0.94	6.99	0.15
431	132.72	0.94	6.99	0.15
626	134.5	0.94	6.99	0.15
432	135.9	0.94	6.99	0.15
433	139.07	0.94	6.99	0.15
434	142.24	0.94	6.99	0.15

Cross Section 1/4" Nominal .275" + / - .006 (6.99mm + / - 0.15mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
435	145.42	0.94	6.99	0.15
436	148.6	0.94	6.99	0.15
437	151.77	0.94	6.99	0.15
872	155.6	1.02	6.99	0.15
438	158.12	1.02	6.99	0.15
627	159.5	1.02	6.99	0.15
874	161.9	1.02	6.99	0.15
439	164.47	1.02	6.99	0.15
628	166.7	1.02	6.99	0.15
876	168.3	1.02	6.99	0.15
440	170.82	1.02	6.99	0.15
878	174.6	1.02	6.99	0.15
441	177.17	1.02	6.99	0.15
880	181	1.14	6.99	0.15
442	183.52	1.14	6.99	0.15
882	187.3	1.14	6.99	0.15
443	189.87	1.14	6.99	0.15
884	193.7	1.14	6.99	0.15
444	196.22	1.14	6.99	0.15
886	199.8	1.14	6.99	0.15
445	202.57	1.14	6.99	0.15
674	208.92	1.4	6.99	0.15
446	215.27	1.4	6.99	0.15
676	221.62	1.4	6.99	0.15
447	227.97	1.4	6.99	0.15
678	234.32	1.4	6.99	0.15
448	240.67	1.4	6.99	0.15
680	247	1.4	6.99	0.15
449	253.57	1.4	6.99	0.15
682	259.7	1.52	6.99	0.15

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STANDARD ORINGS BS1806

Cross Section 1/4" Nominal .275" + / - .006 (6.99mm + / - 0.15mm)				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
450	266.07	1.52	6.99	0.15
684	272.4	1.52	6.99	0.15
451	278.77	1.52	6.99	0.15
686	285.1	1.52	6.99	0.15
452	291.47	1.52	6.99	0.15
688	297.8	1.52	6.99	0.15
453	304.17	1.52	6.99	0.15
648	310.5	1.52	6.99	0.15
454	316.87	1.52	6.99	0.15
455	329.57	1.52	6.99	0.15
456	342.27	1.78	6.99	0.15
457	354.97	1.78	6.99	0.15
458	367.67	1.78	6.99	0.15
459	380.37	1.78	6.99	0.15
460	393.07	1.78	6.99	0.15
461	405.26	1.91	6.99	0.15
462	417.96	1.91	6.99	0.15
463	430.66	2.03	6.99	0.15
464	443.36	2.16	6.99	0.15
465	456.06	2.16	6.99	0.15
466	468.76	2.16	6.99	0.15
467	481.46	2.29	6.99	0.15
468	494.16	2.29	6.99	0.15
469	506.86	2.41	6.99	0.15
470	532.26	2.41	6.99	0.15
471	557.66	2.54	6.99	0.15
472	582.68	2.67	6.99	0.15
473	608.08	2.79	6.99	0.15
474	633.48	2.92	6.99	0.15
475	658.88	3.05	6.99	0.15

Special ORing Gaskets For Pipe Fittings To AGS 3018 And SAE J515A For Use With Fractional Inch Size Threads				
BS1806 REF	ID mm	ID Tolerance +/-mm	Cross Section mm	Section Tolerance +/-mm
901	4.7	0.13	1.42	0.08
902	6.07	0.13	1.63	0.08
903	7.65	0.13	1.63	0.08
904	8.92	0.13	1.83	0.08
905	10.52	0.13	1.83	0.08
906	11.89	0.13	1.98	0.08
907	13.46	0.18	2.08	0.08
908	16.36	0.23	2.2	0.08
909	17.93	0.23	2.46	0.08
910	19.18	0.23	2.46	0.08
911	21.92	0.23	2.95	0.08
912	23.47	0.23	2.95	0.08
913	25.04	0.25	2.95	0.08
914	26.62	0.25	2.95	0.08
916	29.74	0.25	2.95	0.08
918	34.42	0.3	2.95	0.08
920	37.47	0.36	3	0.08
924	43.69	0.36	3	0.08
928	53.09	0.46	3	0.08
932	59.36	0.46	3	0.08

SEALS

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Competitor Alternatives

Company	Material									
EDCO / Phoenix Sealing	PG-C	PG-E	PG-G	PG-O / Y	PG-X	PG-F	PG-T	PC-B	PC-F	PC-W
Klinger	C-4500	C-4324	Top Graph 2000	C-4400	C-4430	SLS	PSM	Top Chem 2003	Top Chem 2005	Top Chem 2006
Donit	BA-CF	BA-202 BA-203	BA-F Doniflex G	BA-U BA-50	BA-X BAM 6000 BA-GL	Grafilit SL	Grafilit SP	Doniflon 2010	Doniflon 2020	Doniflon 2030
Novus	Novus 10	Novus 45	Novus 49	Novus 30	Novus 34	Novus FI	Novus TI	Uniflon 50	Uniflon 51	Uniflon 53
Garlock	HTC 9800 HTC 9850		9900	3000	5500	Graph-Lock 3125SS	Graph-Lock 3125TC	Gylon 3504	Gylon 3500	Gylon 3510
Montero	CSA 120	CSA 45 / 320		CSA 420	CSA 90			Belpaflon PL9006 LC	Belpaflon PL9005 LC	Belpaflon PL9000 LC
Reinz		AFM 37 AFM 38		AFM 30	AFM 34					
Teadit	NA1100	NA1001 NA1002		NA1090	NA1005	GR 1520	GE 1520	TF 1570	TF 1590	TF 1580
Flexitallic	SF5000		SF5001	SF2400/ 2800	SF3300	RGS 4	RGS 3	Sigma 500	Sigma 511	Sigma 533
James Walker	Chieftan			Sentinel Inca	Centurion	Supagraf Laminated	Supagraf Tanged T10	Fluolion Integra Blue	Fluolion Integra White	
Beldam Crossley		Pilotseal 125		Pilotseal 178	Pilotseal 34		Pilotseal 2T	Pilotseal 570	Pilotseal 550	Pilotseal 590
Hecker	WS 3640	WS 3825		WS 3822	UDP 3620 / 3850	Grafotherm 3204	Grafotherm 3202			
Temac	Temacarb		Graftem	Temasil	Temaplus	Temagraph FI	Temagraph TI			
British Gaskets	NASB12	NASB3		NASB7Y	NASB9 / NASB8XG					

This chart should be used as a guide only as there are many variables in manufacturing production and the products are used in multiple applications. As we have no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Product data should always be checked to ensure that the product meets the requirements of the application. Where assistance is sought from our Technical Centre, advice is given for customers' assistance only and without liability on the part of the company.

What we offer

Phoenix manufactures a range of high quality industrial sealing products, provides industry leading emission reduction programmes and delivers world class expertise through a range of technical services.



PG-E

Description:
PG-E is a cost effective medium quality grade of compressed fibre sheet material based on aramid and inorganic fibre with a high quality nitrile binding system.

Application:
PG-E is a general purpose gasket material with excellent mechanical properties, suitable for a wide range of fluids including oils, water, solvents, gas, low pressure steam and many chemicals.



PG-O / PG-Y

Description:
PG-O and PG-Y are good quality compressed sheet materials, based on aramid and inorganic fibre with a high quality nitrile binding system. The grades are identical and differ only in colour.

Application:
PG-O and PG-Y are high performance materials that meet the requirements of BS 7531 Grade Y. The materials have excellent sealing properties and are suitable for oils, water, solvents, gas, low pressure steam and many dilute acids and alkalis.



PG-G

Description:
PG-G is a high quality grade of compressed fibre sheet material based on a combination of expanded graphite and synthetic fibres with a high quality nitrile binder system.

Application:
PG-G is a premium performance material with excellent mechanical properties and a high degree of flexibility. The material is designed for use in a wide range of applications including steam, hydrocarbons and general chemicals.



PG-X

Description:
PG-X is a premium grade of compressed fibre sheet material based on aramid and inorganic fibres with a high quality nitrile binding system.

Application:
PG-X is a superior performance material meeting the requirements of BS 7531 Grade X and with outstanding mechanical properties. It is suitable for many fluids including hydrocarbons, steam, gases, dilute acids and alkalis.



PG-C

Description:
PG-C is a premium quality grade of compressed fibre sheet material based on aramid and carbon fibre with a high quality nitrile binding system.

Application:
PG-C is an outstanding material that exceeds the requirements of BS 7531 Grade X and has excellent temperature resistance. The material is suitable for alkalis, hydrocarbons, fuels, refrigerants, steam and many other fluids.



PG-1995

Description:
PG-1995 is a compressed fibre material comprising inorganic and aramid fibres with an oil-resistant synthetic rubber binder.

Application:
PG-1995 is an outstanding gasket material with a track record of successful applications in demanding environments, supported by a wealth of approvals. Suitable for a wide range of fluids and for applications requiring good electrical resistance or fire safety.



PC-B

Description:
PC-B is a high quality, restructured PTFE sealing material with a glass microsphere filler system.

Application:
PC-B is a highly compressible material suitable for steel, glass-lined, ceramic or plastic coated flanges. It is suitable for sealing all chemicals across the whole pH range, except molten alkali metals, fluorine or hydrogen fluoride.



PC-F

Description:
PC-F is a high quality, restructured PTFE sealing material with a silica filler system.

Application:
PC-F is a high performance material with excellent mechanical properties. The material is suitable for use across a wide range of chemicals including strong acids (except hydrofluoric), steam, solvents and hydrocarbons.



PC-W

Description:
PC-W is a high quality, restructured PTFE sealing material with a barium sulphate filler system.

Application:
PC-W is a high performance material with excellent mechanical properties. The material is suitable for use across a wide range of chemicals including strong caustics, hydrofluoric acid, chlorine and aluminium fluoride.



PC-S

Description:
PC-S is a high compression PTFE material with a biaxially orientated core and highly conformable surface layers.

Application:
The soft surface layers make the material ideal for irregular, distorted or plastic and glass lined flanges and in applications where the available bolt load is limited. The rigid core reduces cold flow and creep and make the gaskets easy to install even at large diameters. The material is suitable for sealing across the full pH range.



PC-EX

Description:
PC-EX is an expanded PTFE sheet manufactured in such a way to have good strength in all directions.

Application:
PC-EX is a soft and compressible material with almost universal chemical resistance. It can be used to seal FRP, porcelain, plastic, and glass-lined piping or vessels as well as large diameter steel flanges.

Also available in tape form.

EDCO
SEAL&SUPPLY



PG-T

Description:
PG-T is a high quality graphite laminate material in which exfoliated graphite is mechanically bonded to a 316 stainless steel tang insert.

Application:
PG-T has excellent mechanical strength, a wide temperature range and outstanding stress retention properties, making it ideal for demanding applications. It is capable of sealing a wide range of fluids including steam, hydrocarbons and most chemicals.



PG-F

Description:
PG-F is a high quality graphite laminate material in which exfoliated graphite is bonded to a 316 stainless steel foil insert.

Application:
PG-F has a wide temperature range, excellent chemical resistance and good stress retention properties making it ideal for many demanding applications. It is relatively easy to cut and so is a good alternative to PG-T in sheet form if cutting on site is required.



PG-P

Description:
PG-P is a high quality exfoliated graphite material supplied without metallic reinforcement.

Application:
PG-P is a high compressibility material with excellent stress retention properties. Its wide temperature range makes it ideal for applications in the petrochemical industry and as a filler or facing for metallic gaskets. It is available in either sheet form or as rolls and can be slit into any width.



PG-ML

Description:
PG-ML is a multi-layer material in which layers of exfoliated graphite are mechanically bonded to a 316 stainless steel foil, without the use of an adhesive.

Application:
PG-ML has excellent mechanical strength and can be used to seal high internal pressures. Its ability to resist high loads makes it ideal for tongue and groove and heat exchanger flanges or in hazardous applications where resistance to blow out is paramount.



PG-Therm

Description:
PG Therm is a high temperature gasket material comprising mica (phlogopite) and a small amount of high quality silicone binder.

Application:
PG Therm is ideal for high temperature applications such as exhaust systems, heat exchangers and turbochargers. It is designed for high temperature sealing applications of moderate pressure. Due to its excellent thermal and electric insulation properties it is often specified as an insulator or thermal barrier.



PG-Therm (Tang)

Description:
PG-Therm (Tang) is a high temperature gasket material comprising mica (phlogopite) and a small amount of high quality silicone binder, reinforced with a tang insert.

Application:
PG Therm (Tang) is ideal for high temperature applications such as exhaust systems, heat exchangers and turbochargers. It is designed for high temperature sealing applications of moderate pressure. The tang insert provides stability particularly for gaskets of narrow width.



PG-Therm (Strip)

Description:
PG-Therm (Strip) is a high temperature sealing material comprising mica (phlogopite) and a small amount of high quality silicone binder. It is available in strip and roll form.

Application:
PG-Therm (Strip) is available in various thicknesses and a variety of widths and lengths. It is ideally suited as filler material for spiral wound gaskets. When combined with oxidation resistant graphite, it delivers outstanding sealability even under extreme process conditions.



Spiral Wound Gasket

Description:
Our spiral wound gaskets comprise a pre-formed metal strip and a softer filler material, spirally wound together to form a seal with excellent mechanical resistance and outstanding recovery. By the addition of retaining rings and the selection of specific alloys and materials, the gaskets can be configured to suit almost any application.

Application:
Spiral wound gaskets have wide scale applicability in a range of industrial sectors including refining, chemical, power and general pipeline construction. The robust nature of their design means that they are particularly suited to arduous operating conditions. They can be used across the full range of pipe pressure classes as well as in vessel flanges and other non-standard applications.



Kammprofile

Description:
Our Kammprofile gaskets comprise a concentrically grooved metal core with a thin layer of sealing material applied to each face. The soft sealing layer compresses into the grooves of the core and provides a high integrity seal, while the core imparts compressive strength and resistance to lateral flow of the layer material.

Application:
Kammprofiles are suited to high temperature and high pressure systems, making them ideal for heat exchanger service. Their unique combination of soft sealing material and grooved core also makes them suitable for relatively lightly loaded flanges. They can be used across the full range of flange classes as well as in non-standard applications.



Metal Jacketed Gasket

Description:
Metal Jacketed Gaskets consist of a soft filler material encased in a metallic shell. The filler material deforms under load and gives the gasket resilience while the metal jacket provides compressive strength and protection against the service conditions.

Application:
Metal Jacketed Gaskets are available in a wide range of configurations, materials and sizes, making them an economic choice for heat exchangers, pressure vessels and other equipment applications. Due to their limited strength and recovery characteristics, they have largely been replaced by Kammprofiles in arduous applications.



Ring Type Joints

Description:
Our Ring Type Joints are solid metal gaskets capable of sealing extreme pressures. They are machined to concentrate bolt load over a small area generating high sealing stresses. To prevent flange damage, the hardness of the ring joint should always be less than that of the flange groove.

Application:
Ring Type Joints are widely used in the oil and gas and petrochemical industries in ASME and API flanges. They are available in a wide range of standard styles and in various alloys. We also supply specialised ring type joints for critical and non-standard applications.



Halo Seal

Description:
The Halo Seal is a revolutionary sealing product that delivers a reliable, cost effective and an environmentally friendly method of sealing flange joints. The gasket has a unique, detachable sealing element and reusable outer ring, reducing the life cycle cost of the gasket considerably.

Application:
The Halo Seal is ideal as a replacement for Spiral Wound and Kammprofile gaskets in standard pressure classes. The unique reusable sealing core is common across all flange standards and pressure classes making it a cost effective choice. The sealing core, based on Kammprofile technology, delivers low emission sealing.