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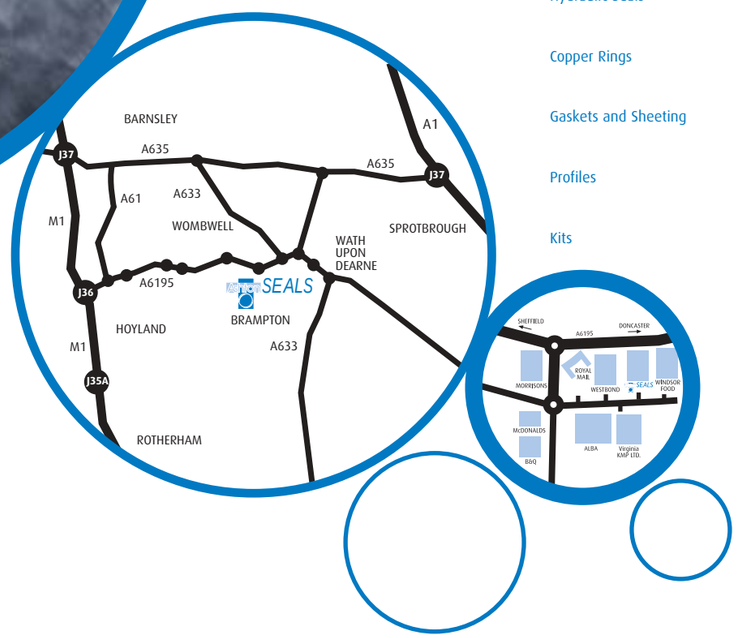


Ashton SEALS

ASO/08/04/2K

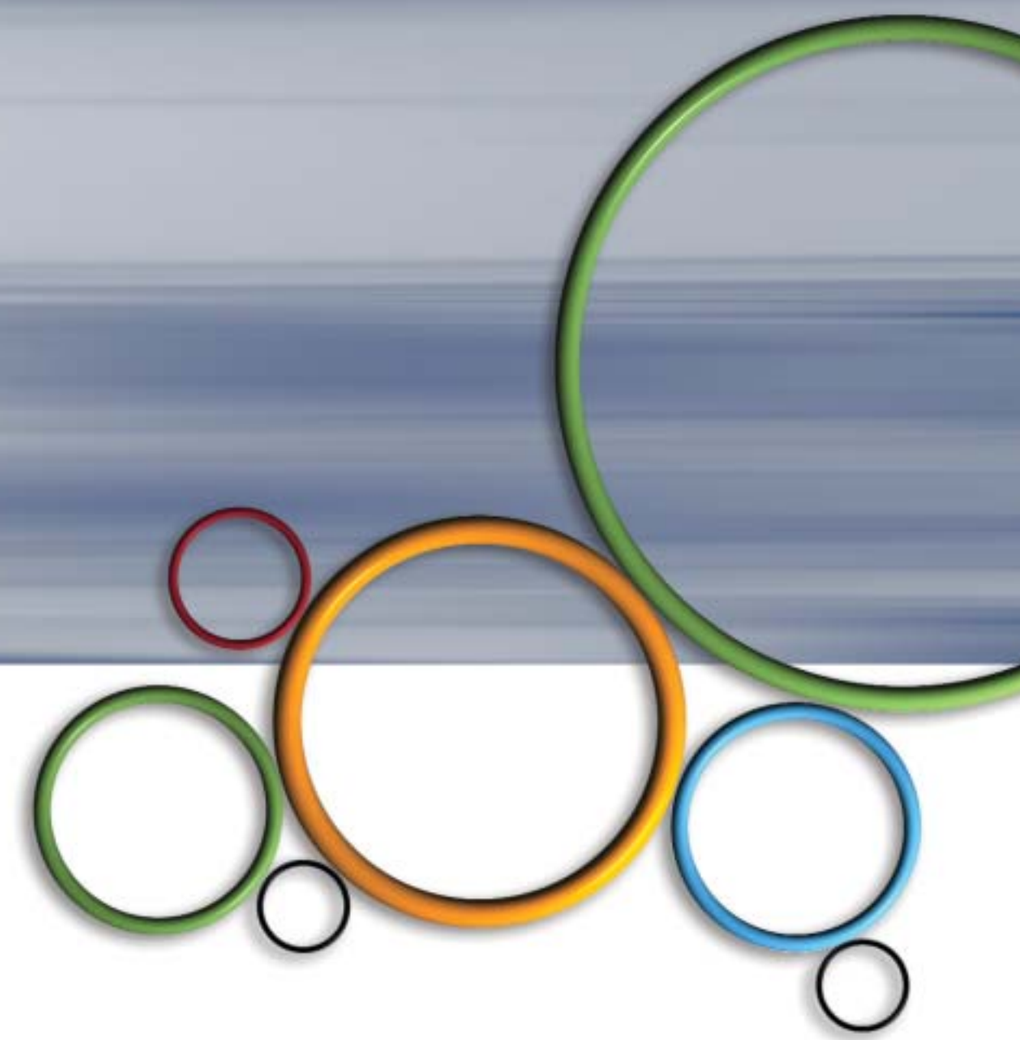
Design and Production - Re-Design (Yorkshire) Ltd
Phone: 01302 364570. www.re-design.info

A comprehensive range of products available from Ashton Seals

- Lubrication
- O-Rings
- O-Ring Cord
- FEP Encapsulated O-Rings
- Oil Seals
- Back-up Rings
- Quad®-Rings
- Bonded Seals
- Anti-Vibration Machinery Mounts
- Mechanical Seals
- JM Clipper Seals
- Selon Seals
- VR Rotary Seals
- Moulded Parts
- Hydraulic Seals
- Copper Rings
- Gaskets and Sheeting
- Profiles
- Kits

Ashton SEALS

'O' RINGS



ask@ashtonseals.com
www.ashtonseals.com

Tim Wills
Chairman

The Ashton Ethos

Established in Sheffield in 1866, the Ashton Group of Companies continues to be an independent family business dedicated to and focused on the needs of its customers.

Our commitment to quality is reflected in our rigorous Quality Control Systems, which are approved to ISO 9001:2000. Continuous improvements have been made to enable Ashton Seals to achieve World Class Quality Systems and Procedures.

This allegiance to quality ensures full traceability of all our products, leading to total customer confidence in the products and service provided by Ashton Seals.

Vast experience within our marketplace:

- **Established Supplier Partnerships**
- **Mature Player with Major OEMs**
- **Prime Location of Logistics Centre**
- **Extensive Product Range**
- **ISO 9000 Quality Approval**
- **Global Customer Base**
- **Exceeding Customer Expectations**

Quality assurance by Lloyds to ISO 9000 has enabled Ashton Seals Ltd. to further promote its business, resulting in the company's present status as one of the leading global suppliers of Bonded Seals, O Rings, Filter Seals, Oil Seals, VR Radial Lip Seals and associated Seals and Lubrication Products.

O-Rings

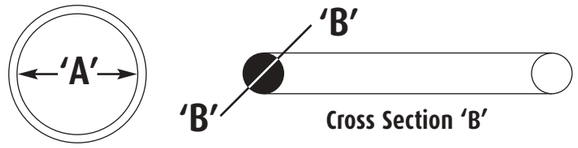
Our knowledgeable sales staff are able to guide you to the best sealing solutions for your company. We are committed to offering you the best O-ring sales and service possible.

To enhance our in-house technical sales capability, we have direct day-to-day working access to some of the most knowledgeable people in the seal industry in the fields of elastomeric compounds and static and dynamic sealing issues.

If the solution to your problem is not available from our extensive range, then we can engineer it for you from first conception through prototyping to production parts.

• All sizes stated in this brochure are manufactured to DIN 3771 tolerances.

British Imperial 1806



Internal Diameter 'A'

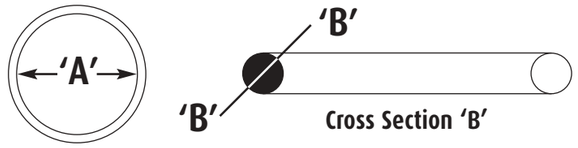
Cross Section 'B'

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
001	01-00-TA001	0.029	0.735	.040	1.02
002	01-00-TA002	0.042	1.07	.050	1.27
003	01-00-TA003	0.056	1.42	.060	1.53
606	01-00-TA606	0.070	1.78	.040	1.02
004	01-00-TA004	0.070	1.78	.070	1.78
607	01-00-TA607	0.100	2.54	.040	1.02
005	01-00-TA005	0.101	2.57	.070	1.78
006	01-00-TA006	0.114	2.90		
801	01-00-TA801	0.125	3.17		
007	01-00-TA007	0.145	3.69		
008	01-00-TA008	0.176	4.47		
802	01-00-TA802	0.187	4.76		
009	01-00-TA009	0.208	5.28		
010	01-00-TA010	0.239	6.07		
803	01-00-TA803	0.250	6.35		
610	01-00-TA610	0.266	6.75		
011	01-00-TA011	0.301	7.66		
804	01-00-TA804	0.312	7.94		
611	01-00-TA611	0.344	8.73		
012	01-00-TA012	0.364	9.25		
013	01-00-TA013	0.426	10.82		
806	01-00-TA806	0.437	11.11		
014	01-00-TA014	0.489	12.42		
015	01-00-TA015	0.551	14.00		
016	01-00-TA016	0.614	15.60		
017	01-00-TA017	0.676	17.16		
018	01-00-TA018	0.739	18.77		
019	01-00-TA019	0.801	20.35		
020	01-00-TA020	0.864	21.95		
021	01-00-TA021	0.926	23.52		
022	01-00-TA022	0.989	25.12		
023	01-00-TA023	1.051	26.70		
024	01-00-TA024	1.114	28.30		
025	01-00-TA025	1.176	29.87	.070	1.78
026	01-00-TA026	1.239	31.47		
027	01-00-TA027	1.301	33.05		
028	01-00-TA028	1.364	34.65		
517	01-00-TA517	1.428	36.27		
029	01-00-TA029	1.489	37.82		
519	01-00-TA519	1.553	39.45		
030	01-00-TA030	1.614	41.00		
031	01-00-TA031	1.739	44.17		
032	01-00-TA032	1.864	47.37		
033	01-00-TA033	1.989	50.52		
034	01-00-TA034	2.114	53.67		
035	01-00-TA035	2.239	56.87		
036	01-00-TA036	2.364	60.04		
037	01-00-TA037	2.489	63.22		
038	01-00-TA038	2.614	66.40		
039	01-00-TA039	2.739	69.57		
040	01-00-TA040	2.864	72.76		
041	01-00-TA041	2.989	75.94		
532	01-00-TA532	3.110	79.00		
042	01-00-TA042	3.239	82.28		
534	01-00-TA534	3.360	85.34		
043	01-00-TA043	3.489	88.64		
536	01-00-TA536	3.610	91.70		
044	01-00-TA044	3.739	95.00		
538	01-00-TA538	3.860	98.05		
045	01-00-TA045	3.989	101.34		
540	01-00-TA540	4.110	104.40		
046	01-00-TA046	4.239	107.70		
542	01-00-TA542	4.360	110.74		
047	01-00-TA047	4.489	114.00		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
544	01-00-TA544	4.610	117.10	.070	1.78
048	01-00-TA048	4.739	120.40		
546	01-00-TA546	4.860	123.44		
049	01-00-TA049	4.989	126.76		
548	01-00-TA548	5.095	129.40		
050	01-00-TA050	5.239	133.10		
550	01-00-TA550	5.345	135.76		
551	01-00-TA551	5.470	138.94		
552	01-00-TA552	5.595	142.11		
553	01-00-TA553	5.720	145.29	.070	1.78
554	01-00-TA554	5.845	148.46		
555	01-00-TA555	5.970	151.64		
556	01-00-TA556	6.095	154.81		
557	01-00-TA557	6.220	158.00		
558	01-00-TA558	6.345	161.16		
559	01-00-TA559	6.470	164.34		
560	01-00-TA560	6.595	167.51		
561	01-00-TA561	6.720	170.69		
562	01-00-TA562	6.845	173.87		
102	01-00-TA102	0.049	1.24	.103	2.62
103	01-00-TA103	0.081	2.06		
104	01-00-TA104	0.112	2.84		
105	01-00-TA105	0.143	3.63		
106	01-00-TA106	0.174	4.42		
107	01-00-TA107	0.206	5.23		
108	01-00-TA108	0.237	6.02		
109	01-00-TA109	0.299	7.60		
110	01-00-TA110	0.362	9.19		
613	01-00-TA613	0.391	9.92		
111	01-00-TA111	0.424	10.78		
614	01-00-TA614	0.469	11.91		
112	01-00-TA112	0.487	12.37		
807	01-00-TA807	0.500	12.70		
615	01-00-TA615	0.516	13.10		
113	01-00-TA113	0.549	13.95		
616	01-00-TA616	0.594	15.08		
114	01-00-TA114	0.612	15.54		
809	01-00-TA809	0.625	15.88		
115	01-00-TA115	0.674	17.13		
810	01-00-TA810	0.687	17.46		
617	01-00-TA617	0.703	17.86	.103	2.62
116	01-00-TA116	0.737	18.72		
117	01-00-TA117	0.799	20.29		
812	01-00-TA812	0.812	20.64		
118	01-00-TA118	0.862	21.90		
813	01-00-TA813	0.875	22.23		
119	01-00-TA119	0.924	23.47		
814	01-00-TA814	0.937	23.81		
120	01-00-TA120	0.987	25.07		
121	01-00-TA121	1.049	26.65		
122	01-00-TA122	1.112	28.25		
123	01-00-TA123	1.174	29.83		
124	01-00-TA124	1.237	31.42		
125	01-00-TA125	1.299	33.00		
126	01-00-TA126	1.362	34.60		
127	01-00-TA127	1.424	36.17		
128	01-00-TA128	1.487	37.77		
129	01-00-TA129	1.549	39.35		
130	01-00-TA130	1.612	40.95		
131	01-00-TA131	1.674	42.52		
132	01-00-TA132	1.737	44.12		
133	01-00-TA133	1.799	45.70		
134	01-00-TA134	1.862	47.30		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
135	01-00-TA135	1.925	48.90	.103	2.62
136	01-00-TA136	1.987	50.47		
137	01-00-TA137	2.050	52.07		
138	01-00-TA138	2.112	53.65		
139	01-00-TA139	2.175	55.25		
140	01-00-TA140	2.237	56.82		
141	01-00-TA141	2.300	58.42		
142	01-00-TA142	2.362	60.00		
143	01-00-TA143	2.425	61.60		
144	01-00-TA144	2.487	63.17		
145	01-00-TA145	2.550	64.77		
146	01-00-TA146	2.612	66.35		
147	01-00-TA147	2.675	67.95		
148	01-00-TA148	2.737	69.52		
149	01-00-TA149	2.800	71.12		
150	01-00-TA150	2.862	72.70		
640	01-00-TA640	2.924	74.30		
151	01-00-TA151	2.987	75.88		
641	01-00-TA641	3.049	77.50		
642	01-00-TA642	3.174	80.60		
152	01-00-TA152	3.237	82.22		
643	01-00-TA643	3.299	83.80		
153	01-00-TA153	3.487	88.58	.103	2.62
154	01-00-TA154	3.737	94.93		
155	01-00-TA155	3.987	101.28		
156	01-00-TA156	4.237	107.63		
157	01-00-TA157	4.487	113.98		
158	01-00-TA158	4.737	120.33		
159	01-00-TA159	4.987	126.67		
160	01-00-TA160	5.237	133.00		
161	01-00-TA161	5.487	139.38		
162	01-00-TA162	5.737	145.73		
163	01-00-TA163	5.987	152.07		
164	01-00-TA164	6.237	158.43		
165	01-00-TA165	6.487	164.78		
166	01-00-TA166	6.737	171.13		
167	01-00-TA167	6.987	177.48		
168	01-00-TA168	7.237	183.83		
169	01-00-TA169	7.487	190.18		
170	01-00-TA170	7.737	196.53		
171	01-00-TA171	7.987	202.88		
172	01-00-TA172	8.237	209.23		
173	01-00-TA173	8.487	215.58		
174	01-00-TA174	8.737	221.93		
175	01-00-TA175	8.987	228.28		
176	01-00-TA176	9.237	234.63		
177	01-00-TA177	9.487	240.98		
178	01-00-TA178	9.737	247.33		
201	01-00-TA201	0.171	4.34	.139	3.53
202	01-00-TA202	0.234	5.94		
203	01-00-TA203	0.296	7.52		
204	01-00-TA204	0.359	9.12		
205	01-00-TA205	0.421	10.69		
206	01-00-TA206	0.484	12.29		
207	01-00-TA207	0.546	13.87		
208	01-00-TA208	0.609	15.47	.139	3.53
209	01-00-TA209	0.671	17.04		
210	01-00-TA210	0.734	18.64		
211	01-00-TA211	0.796	20.22		
212	01-00-TA212	0.859	21.82		
213	01-00-TA213	0.921	23.40		
214	01-00-TA214	0.984	25.00		
618	01-00-TA618	1.016	25.80		

British Imperial 1806



Internal Diameter 'A'

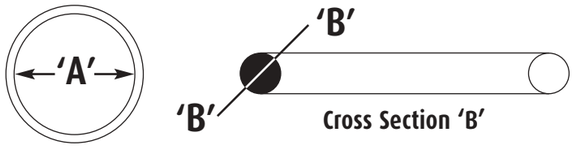
SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
215	01-00-TA215	1.046	26.57		
216	01-00-TA216	1.109	28.17	.139	3.53
217	01-00-TA217	1.171	29.75		
218	01-00-TA218	1.234	31.34		
219	01-00-TA219	1.296	32.93		
220	01-00-TA220	1.359	34.52		
221	01-00-TA221	1.421	36.10		
222	01-00-TA222	1.484	37.70		
824	01-00-TA824	1.563	39.70		
223	01-00-TA223	1.609	40.87		
825	01-00-TA825	1.625	41.28		
826	01-00-TA826	1.687	42.86		
224	01-00-TA224	1.734	44.05		
827	01-00-TA827	1.750	44.45		
828	01-00-TA828	1.812	46.04		
225	01-00-TA225	1.859	47.23		
829	01-00-TA829	1.875	47.62		
830	01-00-TA830	1.937	49.20		
226	01-00-TA226	1.984	50.40		
831	01-00-TA831	2.000	50.80		
832	01-00-TA832	2.062	52.40		
227	01-00-TA227	2.109	53.57		
833	01-00-TA833	2.125	53.97		
834	01-00-TA834	2.187	55.56		
228	01-00-TA228	2.234	56.75		
835	01-00-TA835	2.250	57.15		
836	01-00-TA836	2.312	58.74		
229	01-00-TA229	2.359	59.92		
837	01-00-TA837	2.375	60.32		
838	01-00-TA838	2.437	61.90		
230	01-00-TA230	2.484	63.10		
839	01-00-TA839	2.500	63.50		
840	01-00-TA840	2.563	65.10	.139	3.53
231	01-00-TA231	2.609	66.27		
841	01-00-TA841	2.625	66.67		
842	0100-TA842	2.687	68.26		
232	01-00-TA232	2.734	69.44		
843	01-00-TA843	2.750	69.85		
844	01-00-TA844	2.812	71.44		
233	01-00-TA233	2.859	72.62		
845	01-00-TA845	2.875	73.02		
846	01-00-TA846	2.937	74.60		
234	01-00-TA234	2.984	75.80		
235	01-00-TA235	3.109	78.97		
236	01-00-TA236	3.234	82.14		
237	01-00-TA237	3.359	85.32		
238	01-00-TA238	3.484	88.50		
239	01-00-TA239	3.609	91.67		
240	01-00-TA240	3.734	94.84		
241	01-00-TA241	3.859	98.02		
242	01-00-TA242	3.984	101.20		
243	01-00-TA243	4.109	104.37		
244	01-00-TA244	4.234	107.54		
245	01-00-TA245	4.359	110.72		
246	01-00-TA246	4.484	113.90		
247	01-00-TA247	4.609	117.07		
248	01-00-TA240	4.734	120.24		
249	01-00-TA249	4.859	123.42		
250	01-00-TA250	4.984	126.60		
251	01-00-TA251	5.109	129.77		
252	01-00-TA252	5.234	132.94		
253	01-00-TA253	5.359	136.12		
254	01-00-TA254	5.484	139.30		
255	01-00-TA255	5.609	142.47		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
256	01-00-TA256	5.734	145.65		
257	01-00-TA257	5.859	148.82	.139	3.53
258	01-00-TA258	5.984	152.00		
259	01-00-TA259	6.234	158.35		
260	01-00-TA260	6.484	164.70		
261	01-00-TA261	6.734	171.05		
262	01-00-TA262	6.984	177.40		
263	01-00-TA263	7.234	183.75		
264	01-00-TA264	7.484	190.10		
265	01-00-TA265	7.734	196.45		
266	01-00-TA266	7.904	202.80		
267	01-00-TA267	8.234	209.15		
268	01-00-TA268	8.484	215.50		
269	01-00-TA269	8.734	221.85		
270	01-00-TA270	8.984	228.20	.139	3.53
271	01-00-TA271	9.234	234.55		
272	01-00-TA272	9.484	240.90		
273	01-00-TA273	9.734	247.25		
274	01-00-TA274	9.984	253.60		
275	01-00-TA275	10.484	266.30		
276	01-00-TA276	10.984	279.00		
277	01-00-TA277	11.484	291.70		
278	01-00-TA278	11.984	304.40		
279	01-00-TA279	12.984	329.80		
280	01-00-TA280	13.984	355.20		
281	01-00-TA281	14.984	380.60		
282	01-00-TA282	15.955	405.26		
283	01-00-TA283	16.955	430.66		
284	01-00-TA284	17.955	456.06		

309	01-00-TA309	0.412	10.46	.210	5.34
310	01-00-TA310	0.475	12.07		
311	01-00-TA311	0.537	13.64		
312	01-00-TA312	0.600	15.24		
313	01-00-TA313	0.662	16.81		
314	01-00-TA314	0.725	18.42		
315	01-00-TA315	0.787	19.99		
316	01-00-TA316	0.850	21.59		
317	01-00-TA-317	0.912	23.16		
318	01-00-TA318	0.975	24.77		
319	01-00-TA319	1.037	26.34		
320	01-00-TA-320	1.100	27.94		
321	01-00-TA-321	1.162	29.51		
322	01-00-TA322	1.225	31.12		
323	01-00-TA323	1.287	32.69		
324	01-00-TA324	1.350	34.29		
325	01-00-TA325	1.475	37.47	.210	5.34
326	01-00-TA326	1.600	40.65		
327	01-00-TA327	1.725	43.82		
328	01-00-TA-328	1.850	47.00		
329	01-00-TA329	1.975	50.16		
330	01-00-TA330	2.100	53.34		
331	01-00-TA331	2.225	56.52		
332	01-00-TA332	2.350	59.70		
333	01-00-TA033	2.475	62.87		
334	01-00-TA334	2.600	66.04		
335	01-00-TA335	2.725	69.22		
336	01-00-TA336	2.850	72.40		
619	01-00-TA619	2.938	74.63		
337	01-00-TA337	2.975	75.57		
338	01-00-TA338	3.100	78.74		
620	01-00-TA620	3.141	79.77		
339	01-00-TA339	3.225	81.92		
340	01-00-TA340	3.350	85.10		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
341	01-00-TA341	3.475	88.27		
621	01-00-TA621	3.531	89.69	.210	5.34
342	01-00-TA342	3.600	91.44		
343	01-00-TA343	3.725	94.62		
344	01-00-TA344	3.850	97.80		
622	01-00-TA622	3.937	100.00		
345	01-00-TA345	3.975	100.97		
346	01-00-TA346	4.100	104.14		
347	01-00-TA347	4.225	107.32		
623	01-00-TA623	4.312	109.54		
348	01-00-TA348	4.350	110.50		
349	01-00-TA349	4.475	113.67		
350	01-00-TA350	4.600	116.84		
860	01-00-TA860	4.625	117.48		
351	01-00-TA351	4.725	120.02		
861	01-00-TA861	4.750	120.65		
352	01-00-TA352	4.850	123.20		
862	01-00-TA862	4.875	123.83		
353	01-00-TA353	4.975	126.37		
863	01-00-TA863	5.000	127.00		
354	01-00-TA354	5.100	129.54		
864	01-00-TA864	5.125	130.18		
355	01-00-TA355	5.225	132.72		
865	01-00-TA865	5.250	133.35		
356	01-00-TA356	5.350	135.90		
866	01-00-TA866	5.375	136.53		
357	01-00-TA357	5.475	139.07		
867	01-00-TA867	5.500	139.70		
358	01-00-TA358	5.600	142.24		
868	01-00-TA868	5.625	142.88		
359	01-00-TA359	5.725	145.42		
869	01-00-TA869	5.750	146.05		
360	01-00-TA360	5.850	148.60	.210	5.34
870	01-00-TA870	5.875	149.23		
361	01-00-TA361	5.975	151.77		
644	01-00-TA644	6.100	155.00		
362	01-00-TA362	6.225	158.12		
645	01-00-TA645	6.350	161.30		
363	01-00-TA363	6.475	164.47		
646	01-00-TA646	6.600	167.70		
364	01-00-TA364	6.725	170.82		
647	01-00-TA647	6.850	174.00		
365	01-00-TA365	6.975	177.17		
366	01-00-TA366	7.225	183.52		
367	01-00-TA367	7.475	189.87		
368	01-00-TA368	7.725	196.22		
369	01-00-TA369	7.975	202.57		
370	01-00-TA370	8.225	208.92		
371	01-00-TA371	8.475	215.27		
372	01-00-TA372	8.725	221.62		
373	01-00-TA373	8.975	227.97		
374	01-00-TA374	9.225	234.32		
375	01-00-TA375	9.475	240.67		
376	01-00-TA376	9.725	247.02		
377	01-00-TA377	9.975	253.37		
378	01-00-TA378	10.475	266.07		
379	01-00-TA379	10.975	278.77		
380	01-00-TA380	11.475	291.47		
381	01-00-TA381	11.975	304.17		
382	01-00-TA382	12.975	329.57		
383	01-00-TA383	13.975	354.97		
384	01-00-TA384	14.975	380.37		
385	01-00-TA385	15.955	405.26		
386	01-00-TA386	16.955	430.66		

British Imperial 1806



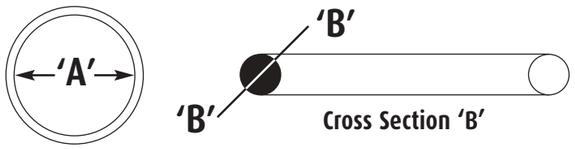
Internal Diameter 'A'

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
387	01-00-TA387	17.955	456.06		
388	01-00-TA388	18.955	481.46	.210	5.34
389	01-00-TA389	19.955	506.86		
390	01-00-TA390	20.955	532.26		
391	01-00-TA391	21.955	557.66		
392	01-00-TA392	22.940	582.68	.210	5.34
393	01-00-TA393	23.940	608.08		
394	01-00-TA394	24.940	633.48		
395	01-00-TA395	25.940	658.88		
425	01-00-TA425	4.475	113.67	.275	6.99
624	01-00-TA624	4.516	114.70		
426	01-00-TA426	4.600	116.84		
427	01-00 TA427	4.725	120.02		
428	01-00 TA428	4.850	123.20		
625	01-00-TA625	4.906	124.60		
429	01-00-TA429	4.975	126.37		
430	01-00-TA430	5.100	129.54		
431	01-00-TA431	5.225	132.72		
626	01-00-TA626	5.297	134.50	.275	6.99
432	01-00-TA432	5.350	135.90		
433	01-00-TA433	5.475	139.07		
434	01-00 TA434	5.600	142.24		
435	01-00-TA435	5.725	145.42		
436	01-00-TA436	5.850	148.60		
437	01-00-TA437	5.975	151.77		
872	01-00-TA872	6.125	155.60		
438	01-00-TA438	6.225	158.12		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
627	01-00-TA627	6.281	159.50		
874	01-00-TA874	6.375	161.90	.275	6.99
439	01-00-TA439	6.475	164.47		
628	01-00-TA628	6.563	166.70		
876	01-00-TA876	6.625	168.30		
440	01-00-TA440	6.725	170.82		
878	01-00-TA878	6.875	174.60		
441	01-00-TA441	6.975	177.17		
880	01-00-TA880	7.125	181.00		
442	01-00-TA442	7.225	183.52		
882	01-00-TA882	7.375	187.30		
443	01-00-TA443	7.475	189.87		
884	01-00-TA884	7.625	193.70		
444	01-00-TA444	7.725	196.22		
886	01-00-TA886	7.875	200.00	.275	6.99
445	01-00-TA445	7.975	202.57		
674	01-00-TA674	8.225	208.92		
446	01-00-TA446	8.475	215.27		
676	01-00-TA676	8.725	221.62		
447	01-00-TA447	8.975	227.97		
678	01-00-TA678	9.225	234.32		
448	01-00-TA448	9.475	240.67		
680	01-00-TA680	9.725	247.00		
449	01-00-TA449	9.975	253.57		
682	01-00-TA682	10.225	259.70		
450	01-00-TA450	10.475	266.07		
684	01-00-TA684	10.725	272.40		
451	01-00-TA951	10.975	278.77		

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
686	01-00-TA686	11.225	285.10		
452	01-00-TA452	11.475	291.47	.275	6.99
688	01-00-TA688	11.725	297.80		
453	01-00-TA453	11.975	304.17		
648	01-00-TA648	12.225	310.50		
454	01-00-TA454	12.475	316.87		
649	01-00-TA649	12.725	323.20		
455	01-00-TA455	12.975	329.57		
650	01-00-TA650	13.225	335.90		
456	01-00-TA456	13.475	342.27		
457	01-00-TA457	13.975	354.97		
458	01-00-TA458	14.475	367.67		
459	01-00-TA459	14.975	380.37		
460	01-00-TA460	15.475	393.07		
461	01-00-TA461	15.955	405.26	.275	6.99
462	01-00-TA462	16.455	417.96		
463	01-00-TA463	16.955	430.66		
464	01-00-TA464	17.455	443.36		
465	01-00-TA465	17.955	456.06		
466	01-00-TA466	18.455	468.76		
467	01-00-TA467	18.955	481.46		
468	01-00-TA468	19.455	494.16		
469	01-00-TA469	19.955	506.86		
470	01-00-TA470	20.955	532.26		
471	01-00-TA471	21.955	557.66		
472	01-00-TA472	22.940	582.68		
473	01-00-TA473	23.940	608.08		
474	01-00-TA474	24.940	633.48		
475	01-00-TA475	25.940	658.88		

'O' Rings for Pipes & Plugs



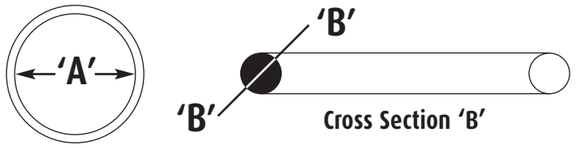
Internal Diameter 'A'

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
901	01-00-TA901	0.185	4.70	0.056	1.42
902	01-00-TA902	0.239	6.97	0.064	1.63
903	01-00-TA903	0.301	7.65	0.064	1.63
904	01-00-TA904	0.351	8.90	0.072	1.83
905	01-00-TA905	0.414	10.51	0.072	1.83
906	01-00-TA906	0.468	11.90	0.078	1.98
907	01-00-TA907	0.530	13.46	0.082	2.08
908	01-00-TA908	0.644	16.36	0.087	2.20
909	01-00-TA909	0.706	17.93	0.097	2.46
910	01-00-TA910	0.755	19.18	0.097	2.46

SIZE REF.	ASHTON REFERENCE	ACTUAL DIAMETER 'A' inches	ACTUAL DIAMETER 'A' mm	CROSS SECTION 'B' inches	CROSS SECTION 'B' mm
911	01-00-TA911	0.863	21.92	0.116	2.95
912	01-00-TA912	0.924	23.47	0.116	2.95
913	01-00-TA913	0.986	25.04	0.116	2.95
914	01-00-TA914	1.047	26.62	0.116	2.95
916	01-00-TA916	1.171	29.74	0.116	2.95
918	01-00-TA918	1.355	34.42	0.116	2.95
920	01-00-TA920	1.475	37.46	0.118	3.00
924	01-00-TA924	1.720	43.70	0.118	3.00
928	01-00-TA928	2.090	53.10	0.118	3.00
932	01-00-TA932	2.337	59.36	0.118	3.00

British Metric 4518, French & Swedish Metric

Dimensions in Millimetres



Internal Diameter 'A'

Cross Section 'B'

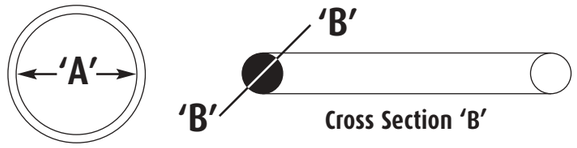
REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
0031-16	01-02-TA505	3.1	
0041-16	01-02-TA506	4.1	
0051-I6	01-02-TA507	5.1	
0061-16	01-02-TA508	6.1	
0071-16	01-02-TA509	7.1	
0081-16	01-02-TA510	8.1	
0091-16	01-02-TA511	9.1	
0101-16	01-02-TA512	10.1	
0111-16	01-02-TA513	11.1	
0121-16	01-02-TA514	12.1	
0131-16	01 02-TA515	13.1	
0141-16	01-02-TA516	14.1	1.6
0151-16	01-02-TA517	15.1	
0161-16	01-02-TA518	16.1	
0171-16	01-02-TA519	17.1	
0181-16	01-02-TA520	18.1	
0191-16	01-02-TA521	19.1	
0221-16	01-02-TA524	22.1	
0251-16	01-02-TA525	25.1	
0271-I6	01-02-TA526	27.1	
0291-16	01-02-TA527	29.1	
0321-16	01-02-TA528	32.1	
0351-16	01-02-TA529	35.1	
0371-16	01-02-TA530	37.1	
	01-01-TA001	2.6	
	01-01-TA002	3.4	
	01-01-TA003	4.2	
	01-01-TA004	4.9	
	01-01-TA005	5.7	1.9
	01-01-TA105	6.4	
	01-01-TA006	7.2	
	01-01-TA106	8.0	
	01-01-TA007	8.9	
	01-02-TA605	3.3	
0036-24	01-02-TA630	3.6	
	01-02-TA606	4.3	
0046-24	01-02-TA631	4.6	
	01-02-TA607	5.3	
0056-24	01-02-TA632	5.6	
	01-02-TA608	6.3	
0066-24	01-02-TA633	6.6	
	01-02-TA609	7.3	
0076-24	01-02-TA634	7.6	
	01-02-TA610	8.3	
0086-24	01-02-TA635	8.6	
	01-02-TA611	9.3	
0096-24	01-02-TA636	9.6	
	01-02-TA612	10.3	2.4
0106-24	01-02-TA637	10.6	
	01-02-TA613	11.3	
0116-24	01-02-TA638	11.6	
	01-02-TA614	12.3	
0126-24	01-02-TA639	12.6	
	01-02-TA615	13.3	
0136-24	01-02-TA640	13.6	
	01-02-TA616	14.3	
0146-24	01-02-TA641	14.6	
	01-02-TA617	15.3	
0156-24	01-02-TA642	15.6	
	01-02-TA618	16.3	
0166-24	01-02-TA643	16.6	
	01-02-TA619	17.3	
0176-24	01-02-TA644	17.6	
	01-02-TA620	18.3	

REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
0186-24	01-02-TA645	18.6	
	01-02-TA621	19.3	
0196-24	01-02-TA646	19.6	
	01-02-TA622	20.3	
	01-02-TA623	21.3	
0216-24	01-02-TA647	21.6	
	01-02-TA624	22.3	
	01-02-TA625	23.3	
0246-24	01-02-TA648	24.6	
	01-02-TA626	25.3	
	01-02-TA627	27.3	
0276-24	01-02-TA649	27.6	
0296-24	01-02-TA650	29.6	
	01-02-TA628	30.3	
0316-24	01-02-TA651	31.6	2.4
	01-02-TA629	33.3	
0346-24	01-02-TA652	34.6	
0376-24	01-02-TA653	37.6	
0396-24	01-02-TA654	39.6	
0416-24	01-02-TA655	41.6	
0446-24	01-02-TA656	44.6	
0476-24	01-02-TA657	47.6	
0496-24	01-02-TA658	49.6	
0516-24	01-02-TA659	51.6	
0546-24	01-02-TA660	54.6	
0576-24	01-02-TA661	57.6	
0596-24	01-02-TA662	59.6	
0616-24	01-02-TA663	61.6	
0646-24	01-02-TA664	64.6	
0676-24	01-02-TA665	67.6	
0696-24	01-02-TA666	69.6	
	01-01-TA008	8.9	
	01-01-TA009	10.5	
	01-01-TA010	12.1	
	01-01-TA011	13.6	2.7
	01-01-TA012	15.1	
	01-01-TA013	16.9	
	01-01-TA014	18.4	
	01-02-TA705	17.2	
	01-02-TA706	18.2	
	01-02-TA707	19.2	
0195-30	01-02-TA771	19.5	
	01-02-TA708	20.2	
	01-02-TA709	21.2	
0215-30	01-02-TA772	21.5	
	01-02-TA710	22.2	
0225-30	01-02-TA773	22.5	
	01-02-TA711	24.2	
0245-30	01-02-TA774	24.5	
	01-02-TA712	25.2	
0255-30	01-02-TA775	25.5	3
	01-02-TA713	26.2	
0265-30	01-02-TA776	26.5	
0275-30	01-02-TA777	27.5	
	01-02-TA714	28.2	
	01-02-TA715	29.2	
0295-30	01-02-TA778	29.5	
	01-02-TA716	30.2	
	01-02-TA717	31.2	
0315-30	01-02-TA779	31.5	
	01-02-TA718	32.2	
0325-30	01-02-TA780	32.5	
	01-02-TA-719	34.2	
0345-30	01-02-TA781	34.5	

REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
	01-02-TA720	35.2	
0355-30	01-02-TA782	35.5	
	01-02-TA721	36.2	
0365-30	01-02-TA783	36.5	
	01-02-TA722	37.2	
0375-30	01-02-TA784	37.5	
	01-02-TA723	39.2	
0395-30	01-02-7A785	39.5	
	01-02-TA724	40.2	
0415-30	01-02-TA786	41.5	
	01-02-TA725	42.2	
0425-30	01-02-TA787	42.5	
	01-02-TA726	44.2	
0445-30	01-02-TA788	44.5	
	01-02-TA727	45.2	
	01-02-TA728	46.2	
0495-30	01-02-TA729	49.5	
	01-02-TA730	50.2	
0545-30	01-02-TA731	54.5	
	01-02-TA732	55.2	
	01-02-TA733	56.2	
	01-02-TA734	57.2	
0595-30	01-02-TA735	59.5	
	01-02-TA737	62.2	
0645-30	01-02-TA738	64.5	
0695-30	01-02-TA739	69.5	
0745-30	01-02-TA740	74.5	
0795-30	01-02-TA741	79.5	
0845-30	01-02-TA742	84.5	
0895-30	01-02-TA743	89.5	
0945-30	01-02-TA744	94.5	
0995-30	01-02-TA745	99.5	
1045-30	01-02-TA746	104.5	3
1095-30	01-02-TA747	109.5	
1145-30	01-02-TA748	114.5	
1195-30	01-02-TA749	119.5	
1245-30	01-02-TA750	124.5	
1295-30	01-02-TA751	129.5	
1345-30	01-02-TA752	134.5	
1395-30	01-02-TA753	139.5	
1445-30	01-02-TA754	144.5	
1495-30	01-02-TA755	149.5	
1545-30	01-02-TA756	154.5	
1595-30	01-02-TA757	159.5	
1645-30	01-02-TA758	164.5	
1695-30	01-02-TA759	169.5	
1745-30	01-02-TA760	174.5	
1795-30	01-02-TA761	179.5	
1845-30	01-02-TA762	184.5	
1895-30	01-02-TA763	189.5	
1945-30	01-02-TA764	194.5	
1995-30	01-02-TA765	199.5	
2095-30	01-02-TA789	209.5	
2195-30	01-02-TA767	219.5	
2295-30	01-02-TA768	229.5	
2395-30	01-02-TA769	239.5	
2495-30	01-02-TA770	249.5	
	01-01-TA015	18.3	
	01-01-TA016	19.8	
	01-01-TA017	21.3	
	01-01-TA018	23.0	3.6
	01-01-TA019	24.6	
	01-01-TA020	26.2	
	01-01-TA021	27.8	

British Metric 4518, French & Swedish Metric

Dimensions in Millimetres



Internal Diameter 'A'

Cross Section 'B'

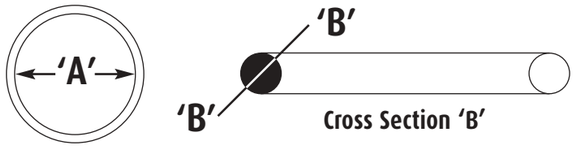
REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
	01-01-TA022	29.3	
	01-01-TA023	30.8	
	01-01-TA024	32.5	3.6
	01-01-TA025	34.1	
	01-01-TA026	35.6	
	01-01-TA027	37.3	
	01-02-TA805	35.2	
	01-02-TA806	36.2	
	01-02-TA807	37.2	
	01-02-TA808	39.2	
	01-02-TA809	41.2	
0443-57	01-02-TA810	44.3	
0453-57	01-02-TA811	45.3	
	01-02-TA812	47.3	
0493-57	01-02-TA813	49.3	
	01-02-TA814	51.3	
0523-57	01-02-TA815	52.3	
0543-57	01-02-TA816	54.3	
0553-57	01-02-TA879	55.3	
	01-02-TA817	57.3	5.7
0593-57	01-02-TA818	59.3	
	01-02-TA819	61.3	
0623-57	01-02-TA820	62.3	
0643-57	01-02-TA821	64.3	
	01-02-TA822	67.3	
0693-57	01-02-TA823	69.3	
	01-02-TA824	71.3	
	01-02-TA825	72.3	
0743-57	01-02-TA826	74.3	
	01-02-TA827	77.3	
0793-57	01-02-TA828	79.3	
	01-02-TA829	81.3	
	01-02-TA830	82.3	

REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
0843-57	01-02-TA831	84.3	
	01-02-TA832	87.3	
0893-57	01-02-TA833	89.3	
	01-02-TA834	92.3	
0943-57	01-02-TA835	94.3	
	01-02-TA836	97.3	
0993-57	01-02-TA837	99.3	
1043-57	01-02-TA838	104.3	
1093-57	01-02-TA839	109.3	
1143-57	01-02-TA840	114.3	
1193-57	01-02-TA841	119.3	
1243-57	01-02-TA842	124.3	
1293-37	01-02-TA843	129.3	
1343-57	01-02-TA844	134.3	
1393-57	01-02-TA845	139.3	
1443-57	01-02-TA846	144.3	5.7
1493-57	01-02-TA847	149.3	
1543-57	01-02-TA848	154.3	
1593-57	01-02-TA849	159.3	
1643-57	01-02-TA850	164.3	
1693-57	01-02-TA851	169.3	
1743-57	01-02-TA852	174.3	
1793-37	01-02-TA853	179.3	
1843-57	01-02-TA854	184.3	
1893-57	01-02-TA855	189.3	
1943-57	01-02-TA856	194.3	
1993-57	01-02-TA857	199.3	
2093-57	01-02-TA859	209.3	
2193-57	01-02-TA860	219.3	
2293-57	01-02-TA861	229.3	
2393-57	01-02-TA862	239.3	
2493-57	01-02-TA863	249.3	
2593-57	01-02-TA864	259.3	

REF. No.	ASHTON REFERENCE	ACTUAL DIAMETER 'A'	CROSS SECTION 'B'
2693-57	01-02-TA865	269.3	
2793-57	01-02-TA866	279.3	
2893-57	01-02-TA867	289.3	
2993-57	01-02-TA868	299.3	
3193-57	01-02-TA869	319.3	
3393-57	01-02-TA870	339.3	
3593-57	01-02-TA871	359.3	5.7
3793-57	01-02-TA872	379.3	
3993-57	01-02-TA673	399.3	
4193-57	01-02-TA674	419.3	
4393-57	01-02-TA875	439.3	
4593-57	01-02TA876	459.3	
4793-57	01-02 TA877	479.3	
4993-57	01-02 TA878	499.3	
1441-84	01-02-TA905	144.1	
1491-84	01-02-TA906	149.1	
1541-84	01-02-TA907	154.1	
1591-84	01-02-TA908	159.1	
1641-84	01-02-TA909	164.1	
1691-84	01-02-TA910	169.1	
1741-84	01-02-TA911	174.1	
1791-84	01-02-TA912	179.1	
1841-84	01-02-TA913	184.1	8.4
1891-84	01-02-TA914	189.1	
1941-84	01-02-TA915	194.1	
1991-84	01-02-TA916	199.1	
2041-84	01-02-TA922	204.1	
2091-84	01-02-TA917	209.1	
2191-84	01-02-TA918	219.1	
2291-84	01-02-TA919	229.1	
2341-84	01-02-TA923	234.1	
2391-84	01-02-TA920	239.1	
2491-84	01-02-TA921	249.1	

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 1.0	
01-08-00201	2.0
	2.5
01-08-00301	3.0
	3.5
01-08-00401	4.0
	4.5
01-08-00501	5.0
	5.5
01-08-00601	6.0
	6.5
01-08-00701	7.0
	7.5
01-08-00801	8.0
	8.5
01-08-00901	9.0
	9.5
01-08-01001	10.0
	10.5
01-08-01101	11.0
	11.5
01-08-01201	12.0
	12.5
01-08-01301	13.0
	13.5
01-08-01401	14.0
	14.5
01-08-01501	15.0
	15.5
01-08-01601	16.0
	16.5
01-08-01701	17.0
	17.5
01-08-01801	18.0
	18.5
01-08-01901	19.0
	19.5
01-08-02001	20.0
	20.5
01-08-02101	21.0
	21.5
01-08-02201	22.0
	22.5
01-08-02301	23.0
	23.5
01-08-02401	24.0
	24.5
01-08-02501	25.0
CROSS SECTION 'B' 1.5	
01-06-TA003	3.0
	3.5
01-06-TA004	4.0
	4.5
01-06-TA005	5.0
	5.5
01-06-TA006	6.0
	6.5
01-06-TA007	7.0
	7.5
01-06-TA008	8.0
	8.5

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 1.5	
01-06-TA009	9.0
	9.5
01-06-TA010	10.0
	10.5
01-06-TA011	11.0
	11.5
01-06-TA012	12.0
	12.5
01-06-TA013	13.0
	13.5
01-06-TA014	14.0
	14.5
01-06-TA015	15.0
	15.5
01-06-TA016	16.0
	16.5
01-06-TA017	17.0
	17.5
01-06-TA018	18.0
	18.5
01-06-TA019	19.0
	19.5
01-06-TA020	20.0
	20.5
01-06-TA021	21.0
	21.5
01-06-TA022	22.0
	22.5
01-06-TA023	23.0
	23.5
01-06-TA024	24.0
	24.5
01-06-TA025	25.0
	25.5
01-06-TA026	26.0
	26.5
01-06-TA027	27.0
	27.5
01-06-TA028	28.0
	28.5
01-06-TA029	29.0
	29.5
01-06-TA030	30.0
	30.5
01-06-TA031	31.0
	31.5
01-06-TA032	32.0
	32.5
01-06-TA033	33.0
	33.5
01-06-TA034	34.0
	34.5
01-06-TA035	35.0
	35.5
01-06-TA036	36.0
	36.5
01-06-TA037	37.0
	37.5
01-06-TA038	38.0
	38.5
01-06-TA039	39.0

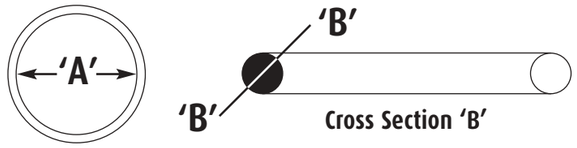
ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 1.5	
	39.5
01-06-TA040	40.0
01-06-TA041	41.0
01-06-TA042	42.0
01-06-TA043	43.0
01-06-TA044	44.0
01-06-TA045	45.0
01-06-TA046	46.0
01-06-TA047	47.0
01-06-TA048	48.0
01-06-TA049	49.0
01-06-TA050	50.0
01-06-TA051	51.0
01-06-TA052	52.0
01-06-TA053	53.0
01-06-TA054	54.0
01-06-TA055	55.0
01-06-TA056	56.0
01-06-TA057	57.0
01-06-TA058	58.0
01-06-TA059	59.0
01-06-TA060	60.0
01-06-TA061	61.0
01-06-TA062	62.0
01-06-TA063	63.0
01-06-TA064	64.0
01-06-TA065	65.0
01-06-TA066	66.0
01-06-TA067	67.0
01-06-TA068	68.0
01-06-TA069	69.0
01-06-TA070	70.0
01-06-TA071	71.0
01-06-TA072	72.0
01-06-TA073	73.0
01-06-TA074	74.0
01-06-TA075	75.0
01-06-TA076	76.0
01-06-TA077	77.0
01-06-TA078	78.0
01-06-TA079	79.0
01-06-TA080	80.0
01-06-TA081	81.0
01-06-TA082	82.0
01-06-TA083	83.0
01-06-TA084	84.0
01-06-TA085	85.0
01-06-TA086	86.0
01-06-TA087	87.0
01-06-TA088	88.0
01-06-TA089	89.0
01-06-TA090	90.0
01-06-TA091	91.0
01-06-TA092	92.0
01-06-TA093	93.0
01-06-TA094	94.0
01-06-TA095	95.0
01-06-TA096	96.0
01-06-TA097	97.0
01-06-TA098	98.0
01-06-TA099	99.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 1.5	
01-06-TA100	100.0
CROSS SECTION 'B' 2.0	
01-04-TA003	3.0
	3.5
01-04-TA004	4.0
	4.5
01-04-TA005	5.0
	5.5
01-04-TA006	6.0
	6.5
01-04-TA007	7.0
	7.5
01-04-TA008	8.0
	8.5
01-04-TA009	9.0
	9.5
01-04-TA010	10.0
	10.5
01-04-TA011	11.0
	11.5
01-04-TA012	12.0
	12.5
01-04-TA013	13.0
	13.5
01-04-TA014	14.0
	14.5
01-04-TA015	15.0
	15.5
01-04-TA016	16.0
	16.5
01-04-TA017	17.0
	17.5
01-04-TA018	18.0
	18.5
01-04-TA019	19.0
	19.5
01-04-TA020	20.0
	20.5
01-04-TA021	21.0
	21.5
01-04-TA022	22.0
	22.5
01-04-TA023	23.0
	23.5
01-04-TA024	24.0
	24.5
01-04-TA025	25.0
	25.5
01-04-TA026	26.0
	26.5
01-04-TA027	27.0
	27.5
01-04-TA028	28.0
	28.5
01-04-TA029	29.0
	29.5
01-04-TA030	30.0
	30.5
01-04-TA031	31.0
	31.5

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 2.0	
01-04-TA032	32.0
	32.5
01-04-TA033	33.0
	33.5
01-04-TA034	34.0
	34.5
01-04-TA035	35.0
	35.5
01-04-TA036	36.0
	36.5
01-04-TA037	37.0
	37.5
01-04-TA038	38.0
	38.5
01-04-TA039	39.0
	39.5
01-04-TA040	40.0
01-04-TA041	41.0
01-04-TA042	42.0
01-04-TA043	43.0
01-04-TA044	44.0
01-04-TA045	45.0
01-04-TA046	46.0
01-04-TA047	47.0
01-04-TA048	48.0
01-04-TA049	49.0
01-04-TA050	50.0
01-04-TA051	51.0
01-04-TA052	52.0
01-04-TA053	53.0
01-04-TA054	54.0
01-04-TA055	55.0
01-04-TA056	56.0
01-04-TA057	57.0
01-04-TA058	58.0
01-04-TA059	59.0
01-04-TA060	60.0
01-04-TA061	61.0
01-04-TA062	62.0
01-04-TA063	63.0
01-04-TA064	64.0
01-04-TA065	65.0
01-04-TA066	66.0
01-04-TA067	67.0
01-04-TA068	68.0
01-04-TA069	69.0
01-04-TA070	70.0
01-04-TA071	71.0
01-04-TA072	72.0
01-04-TA073	73.0
01-04-TA074	74.0
01-04-TA075	75.0
01-04-TA076	76.0
01-04-TA077	77.0
01-04-TA078	78.0
01-04-TA079	79.0
01-04-TA080	80.0
01-04-TA081	81.0
01-04-TA082	82.0
01-04-TA083	83.0
01-04-TA084	84.0

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 2.0	
01-04-TA085	85.0
01-04-TA086	86.0
01-04-TA087	87.0
01-04-TA088	88.0
01-04-TA089	89.0
01-04-TA090	90.0
01-04-TA091	91.0
01-04-TA092	92.0
01-04-TA093	93.0
01-04-TA094	94.0
01-04-TA095	95.0
01-04-TA096	96.0
01-04-TA097	97.0
01-04-TA098	98.0
01-04-TA099	99.0
01-04-TA100	100.0
CROSS SECTION 'B' 2.5	
01-06-TA104	4.0
01-06-TA105	5.0
	5.5
01-06-TA106	6.0
	6.5
01-06-TA107	7.0
	7.5
01-06-TA108	8.0
	8.5
01-06-TA109	9.0
	9.5
01-06-TA110	10.0
	10.5
01-06-TA111	11.0
	11.5
01-06-TA112	12.0
	12.5
01-06-TA113	13.0
	13.5
01-06-TA114	14.0
	14.5
01-06-TA115	15.0
	15.5
01-06-TA116	16.0
	16.5
01-06-TA117	17.0
	17.5
01-06-TA118	18.0
	18.5
01-06-TA119	19.0
	19.5
01-06-TA120	20.0
	20.5
01-06-TA121	21.0
	21.5
01-06-TA122	22.0
	22.5
01-06-TA123	23.0
	23.5
01-06-TA124	24.0
	24.5
01-06-TA125	25.0
	25.5

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 2.5	
01-06-TA126	26.0
	26.5
01-06-TA127	27.0
	27.5
01-06-TA128	28.0
	28.5
01-06-TA129	29.0
	29.5
01-06-TA130	30.0
	30.5
01-06-TA131	31.0
	31.5
01-06-TA132	32.0
	32.5
01-06-TA133	33.0
	33.5
01-06-TA134	34.0
	34.5
01-06-TA135	35.0
	35.5
01-06-TA136	36.0
	36.5
01-06-TA137	37.0
	37.5
01-06-TA138	38.0
	38.5
01-06-TA139	39.0
	39.5
01-06-TA140	40.0
01-06-TA141	41.0
01-06-TA142	42.0
01-06-TA143	43.0
01-06-TA144	44.0
01-06-TA145	45.0
01-06-TA146	46.0
01-06-TA147	47.0
01-06-TA148	48.0
01-06-TA149	49.0
01-06-TA150	50.0
01-06-TA151	51.0
01-06-TA152	52.0
01-06-TA153	53.0
01-06-TA154	54.0
01-06-TA155	55.0
01-06-TA156	56.0
01-06-TA157	57.0
01-06-TA158	58.0
01-06-TA159	59.0
01-06-TA160	60.0
01-06-TA161	61.0
01-06-TA162	62.0
01-06-TA163	63.0
01-06-TA164	64.0
01-06-TA165	65.0
01-06-TA166	66.0
01-06-TA167	67.0
01-06-TA168	68.0
01-06-TA169	69.0
01-06-TA170	70.0
01-06-TA171	71.0
01-06-TA172	72.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 2.5	
01-06-TA173	73.0
01-06-TA174	74.0
01-06-TA175	75.0
01-06-TA176	76.0
01-06-TA177	77.0
01-06-TA178	78.0
01-06-TA179	79.0
01-06-TA180	80.0
01-06-TA181	81.0
01-06-TA182	82.0
01-06-TA183	83.0
01-06-TA184	84.0
01-06-TA185	85.0
01-06-TA186	86.0
01-06-TA187	87.0
01-06-TA188	88.0
01-06-TA189	89.0
01-06-TA190	90.0
01-06-TA191	91.0
01-06-TA192	92.0
01-06-TA193	93.0
01-06-TA194	94.0
01-06-TA195	95.0
01-06-TA196	96.0
01-06-TA197	97.0
01-06-TA198	98.0
01-06-TA199	99.0
01-06-TA200	100
01-06-TA201	101
01-06-TA202	102
01-06-TA203	103
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01-06-TA207	107
01-06-TA208	108
01-06-TA209	109
01-06-TA210	110
01-06-TA211	111
01-06-TA212	112
01-06-TA213	113
01-06-TA214	114
01-06-TA215	115
01-06-TA216	116
01-06-TA217	117
01-06-TA218	118
01-06-TA219	119
01-06-TA220	120
01-06-TA221	121
01-06-TA222	122
01-06-TA223	123
01-06-TA224	124
01-06-TA225	125
01-06-TA226	126
01-06-TA227	127
01-06-TA228	128
01-06-TA229	129
01-06-TA230	130
01-06-TA231	131
01-06-TA232	132
01-06-TA233	133

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 2.5	
01-06-TA234	134
01-06-TA235	135
01-06-TA236	136
01-06-TA237	137
01-06-TA238	138
01-06-TA239	139
01-06-TA240	140
01-06-TA241	141
01-06-TA242	142
01-06-TA243	143
01-06-TA244	144
01-06-TA245	145
01-06-TA246	146
01-06-TA247	147
01-06-TA248	148
01-06-TA249	149
01-06-TA250	150
CROSS SECTION 'B' 3.0	
01-06-TA303	3.0
	3.5
01-06-TA304	4.0
	4.5
01-06-TA305	5.0
	5.5
01-06-TA306	6.0
	6.5
01-06-TA307	7.0
	7.5
01-06-TA308	8.0
	8.5
01-06-TA309	9.0
	9.5
01-06-TA310	10.0
	10.5
01-06-TA311	11.0
	11.5
01-06-TA312	12.0
	12.5
01-06-TA313	13.0
	13.5
01-06-TA314	14.0
	14.5
01-06-TA315	15.0
	15.5
01-06-TA316	16.0
	16.5
01-06-TA317	17.0
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01-06-TA318	18.0
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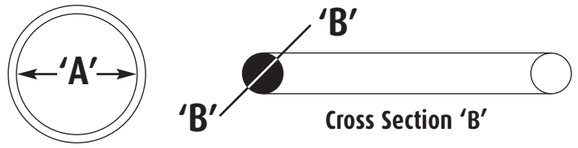
01-06-TA319	19.0
	19.5
01-06-TA320	20.0
01-06-TA321	21.0
01-06-TA322	22.0
01-06-TA323	23.0
01-06-TA324	24.0
01-06-TA325	25.0
01-06-TA326	26.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 3.0	
01-06-TA327	27.0
01-06-TA328	28.0
01-06-TA329	29.0
01-06-TA330	30.0
01-06-TA331	31.0
01-06-TA332	32.0
01-06-TA333	33.0
01-06-TA334	34.0
01-06-TA335	35.0
01-06-TA336	36.0
01-06-TA337	37.0
01-06-TA338	38.0
01-06-TA339	39.0
01-06-TA340	40.0
01-06-TA341	41.0
01-06-TA342	42.0
01-06-TA343	43.0
01-06-TA344	44.0
01-06-TA345	45.0
01-06-TA346	46.0
01-06-TA347	47.0
01-06-TA348	48.0
01-06-TA349	49.0
01-06-TA350	50.0
01-06-TA351	51.0
01-06-TA352	52.0
01-06-TA353	53.0
01-06-TA354	54.0
01-06-TA355	55.0
01-06-TA356	56.0
01-06-TA357	57.0
01-06-TA358	58.0
01-06-TA359	59.0
01-06-TA360	60.0
01-06-TA361	61.0
01-06-TA362	62.0
01-06-TA363	63.0
01-06-TA364	64.0
01-06-TA365	65.0
01-06-TA366	66.0
01-06-TA367	67.0
01-06-TA368	68.0
01-06-TA369	69.0
01-06-TA370	70.0
01-06-TA371	71.0
01-06-TA372	72.0
01-06-TA373	73.0
01-06-TA374	74.0
01-06-TA375	75.0
01-06-TA376	76.0
01-06-TA377	77.0
01-06-TA378	78.0
01-06-TA379	79.0
01-06-TA380	80.0
01-06-TA381	81.0
01-06-TA382	82.0
01-06-TA383	83.0
01-06-TA384	84.0
01-06-TA385	85.0
01-06-TA386	86.0

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 3.0	
01-06-TA387	87.0
01-06-TA388	88.0
01-06-TA389	89.0
01-06-TA390	90.0
01-06-TA391	91.0
01-06-TA392	92.0
01-06-TA393	93.0
01-06-TA394	94.0
01-06-TA395	95.0
01-06-TA396	96.0
01-06-TA397	97.0
01-06-TA398	98.0
01-06-TA399	99.0
01-06-TA400	100
01-06-TA401	101
01-06-TA402	102
01-06-TA403	103
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01-06-TA443	143
01-06-TA444	144
01-06-TA445	145
01-06-TA446	146
01-06-TA447	147

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 3.0	
01-06-TA448	148
01-06-TA449	149
01-06-TA450	150
01-06-TA451	151
01-06-TA452	152
01-06-TA453	153
01-06-TA454	154
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01-06-TA502	202
01-06-TA503	203
01-06-TA504	204
01-06-TA505	205
01-06-TA506	206
01-06-TA507	207
01-06-TA508	208

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 3.0	
01-06-TA509	209
01-06-TA510	210
01-06-TA511	211
01-06-TA512	212
01-06-TA513	213
01-06-TA514	214
01-06-TA515	215
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01-06-TA530	230
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01-06-TA535	235
01-06-TA536	236
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01-06-TA546	246
01-06-TA547	247
01-06-TA548	248
01-06-TA549	249
01-06-TA550	250
CROSS SECTION 'B' 4.0	
01-04-TA104	4.0
01-04-TA105	5.0
01-04-TA106	6.0
01-04-TA107	7.0
01-04-TA108	8.0
01-04-TA109	9.0
01-04-TA110	10.0
01-04-TA111	11.0
01-04-TA112	12.0
01-04-TA113	13.0
01-04-TA114	14.0
01-04-TA115	15.0
01-04-TA116	16.0
01-04-TA117	17.0
01-04-TA118	18.0
01-04-TA119	19.0
01-04-TA120	20.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA121	21.0
01-04-TA122	22.0
01-04-TA123	23.0
01-04-TA124	24.0
01-04-TA125	25.0
01-04-TA126	26.0
01-04-TA127	27.0
01-04-TA128	28.0
01-04-TA129	29.0
01-04-TA130	30.0
01-04-TA131	31.0
01-04-TA132	32.0
01-04-TA133	33.0
01-04-TA134	34.0
01-04-TA135	35.0
01-04-TA136	36.0
01-04-TA137	37.0
01-04-TA138	38.0
01-04-TA139	39.0
01-04-TA140	40.0
01-04-TA141	41.0
01-04-TA142	42.0
01-04-TA143	43.0
01-04-TA144	44.0
01-04-TA145	45.0
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01-04-TA149	49.0
01-04-TA150	50.0
01-04-TA151	51.0
01-04-TA152	52.0
01-04-TA153	53.0
01-04-TA154	54.0
01-04-TA155	55.0
01-04-TA156	56.0
01-04-TA157	57.0
01-04-TA158	58.0
01-04-TA159	59.0
01-04-TA160	60.0
01-04-TA161	61.0
01-04-TA162	62.0
01-04-TA163	63.0
01-04-TA164	64.0
01-04-TA165	65.0
01-04-TA166	66.0
01-04-TA167	67.0
01-04-TA168	68.0
01-04-TA169	69.0
01-04-TA170	70.0
01-04-TA171	71.0
01-04-TA172	72.0
01-04-TA173	73.0
01-04-TA174	74.0
01-04-TA175	75.0
01-04-TA176	76.0
01-04-TA177	77.0
01-04-TA178	78.0
01-04-TA179	79.0
01-04-TA180	80.0
01-04-TA181	81.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA182	82.0
01-04-TA183	83.0
01-04-TA184	84.0
01-04-TA185	85.0
01-04-TA186	86.0
01-04-TA187	87.0
01-04-TA188	88.0
01-04-TA189	89.0
01-04-TA190	90.0
01-04-TA191	91.0
01-04-TA192	92.0
01-04-TA193	93.0
01-04-TA194	94.0
01-04-TA195	95.0
01-04-TA196	96.0
01-04-TA197	97.0
01-04-TA198	98.0
01-04-TA199	99.0
01-04-TA200	100
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01-04-TA202	102
01-04-TA203	103
01-04-TA204	104
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01-04-TA210	110
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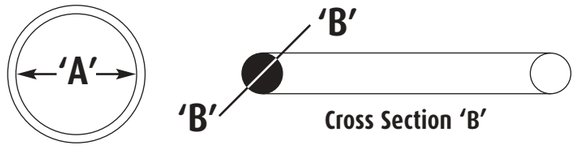
01-04-TA236	136
01-04-TA237	137
01-04-TA238	138
01-04-TA239	139
01-04-TA240	140
01-04-TA241	141
01-04-TA242	142

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA243	143
01-04-TA244	144
01-04-TA245	145
01-04-TA246	146
01-04-TA247	147
01-04-TA248	148
01-04-TA249	149
01-04-TA250	150
01-04-TA251	151
01-04-TA252	152
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01-04-TA264	164
01-04-TA265	165
01-04-TA266	166
01-04-TA267	167
01-04-TA268	168
01-04-TA269	169
01-04-TA270	170
01-04-TA271	171
01-04-TA272	172
01-04-TA273	173
01-04-TA274	174
01-04-TA275	175
01-04-TA276	176
01-04-TA277	177
01-04-TA278	178
01-04-TA279	179
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01-04-TA295	195
01-04-TA296	196
01-04-TA297	197
01-04-TA298	198
01-04-TA299	199
01-04-TA300	200
01-04-TA301	201
01-04-TA302	202
01-04-TA303	203

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA304	204
01-04-TA305	205
01-04-TA306	206
01-04-TA307	207
01-04-TA308	208
01-04-TA309	209
01-04-TA310	210
01-04-TA311	211
01-04-TA312	212
01-04-TA313	213
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01-04-TA317	217
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01-04-TA320	220
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01-04-TA326	226
01-04-TA327	227
01-04-TA328	228
01-04-TA329	229
01-04-TA330	230
01-04-TA331	231
01-04-TA332	232
01-04-TA333	233
01-04-TA334	234
01-04-TA335	235
01-04-TA336	236
01-04-TA337	237
01-04-TA338	238
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01-04-TA346	246
01-04-TA347	247
01-04-TA348	248
01-04-TA349	249
01-04-TA350	250
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01-04-TA352	252
01-04-TA353	253
01-04-TA354	254
01-04-TA355	255
01-04-TA356	256
01-04-TA357	257
01-04-TA358	258
01-04-TA359	259
01-04-TA360	260
01-04-TA361	261
01-04-TA362	262
01-04-TA363	263
01-04-TA364	264

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA365	265
01-04-TA366	266
01-04-TA367	267
01-04-TA368	268
01-04-TA369	269
01-04-TA370	270
01-04-TA371	271
01-04-TA372	272
01-04-TA373	273
01-04-TA374	274
01-04-TA375	275
01-04-TA376	276
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01-04-TA386	286
01-04-TA387	287
01-04-TA388	288
01-04-TA389	289
01-04-TA390	290
01-04-TA391	291
01-04-TA392	292
01-04-TA393	293
01-04-TA394	294
01-04-TA395	295
01-04-TA396	296
01-04-TA397	297
01-04-TA398	298
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01-04-TA416	316
01-04-TA417	317
01-04-TA418	318
01-04-TA419	319
01-04-TA420	320
01-04-TA421	321
01-04-TA422	322
01-04-TA423	323
01-04-TA424	324
01-04-TA425	325

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA426	326
01-04-TA427	327
01-04-TA428	328
01-04-TA429	329
01-04-TA430	330
01-04-TA431	331
01-04-TA432	332
01-04-TA433	333
01-04-TA434	334
01-04-TA435	335
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01-04-TA460	360
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01-04-TA462	362
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01-04-TA464	364
01-04-TA465	365
01-04-TA466	366
01-04-TA467	367
01-04-TA468	368
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01-04-TA480	380
01-04-TA481	381
01-04-TA482	382
01-04-TA483	383
01-04-TA484	384
01-04-TA485	385
01-04-TA486	386

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA487	387
01-04-TA488	388
01-04-TA489	389
01-04-TA490	390
01-04-TA491	391
01-04-TA492	392
01-04-TA493	393
01-04-TA494	394
01-04-TA495	395
01-04-TA496	396
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01-04-TA542	442
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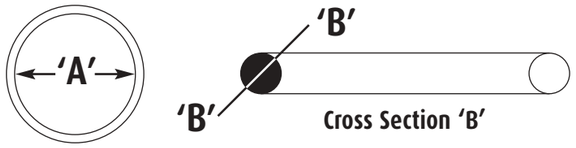
01-04-TA544	444
01-04-TA545	445
01-04-TA546	446
01-04-TA547	447

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 4.0	
01-04-TA548	448
01-04-TA549	449
01-04-TA550	450
01-04-TA551	451
01-04-TA552	452
01-04-TA553	453
01-04-TA554	454
01-04-TA555	455
01-04-TA556	456
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01-04-TA558	458
01-04-TA559	459
01-04-TA560	460
01-04-TA561	461
01-04-TA562	462
01-04-TA563	463
01-04-TA564	464
01-04-TA565	465
01-04-TA566	466
01-04-TA567	467
01-04-TA568	468
01-04-TA569	469
01-04-TA570	470
01-04-TA571	471
01-04-TA572	472
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01-04-TA579	479
01-04-TA580	480
01-04-TA581	481
01-04-TA582	482
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01-04-TA584	484
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01-04-TA586	486
01-04-TA587	487
01-04-TA588	488
01-04-TA589	489
01-04-TA590	490
01-04-TA591	491
01-04-TA592	492
01-04-TA593	493
01-04-TA594	494
01-04-TA595	495
01-04-TA596	496
01-04-TA597	497
01-04-TA598	498
01-04-TA599	499
01-04-TA600	500
CROSS SECTION 'B' 5.0	
01-04-TA604	4.0
01-04-TA605	5.0
01-04-TA606	6.0
01-04-TA607	7.0
01-04-TA608	8.0
01-04-TA609	9.0

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA610	10.0
01-04-TA611	11.0
01-04-TA612	12.0
01-04-TA613	13.0
01-04-TA614	14.0
01-04-TA615	15.0
01-04-TA616	16.0
01-04-TA617	17.0
01-04-TA618	18.0
01-04-TA619	19.0
01-04-TA620	20.0
01-04-TA621	21.0
01-04-TA622	22.0
01-04-TA623	23.0
01-04-TA624	24.0
01-04-TA625	25.0
01-04-TA626	26.0
01-04-TA627	27.0
01-04-TA628	28.0
01-04-TA629	29.0
01-04-TA630	30.0
01-04-TA631	31.0
01-04-TA632	32.0
01-04-TA633	33.0
01-04-TA634	34.0
01-04-TA635	35.0
01-04-TA636	36.0
01-04-TA637	37.0
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01-04-TA651	51.0
01-04-TA652	52.0
01-04-TA653	53.0
01-04-TA654	54.0
01-04-TA655	55.0
01-04-TA656	56.0
01-04-TA657	57.0
01-04-TA658	58.0
01-04-TA659	59.0
01-04-TA660	60.0
01-04-TA661	61.0
01-04-TA662	62.0
01-04-TA663	63.0
01-04-TA664	64.0
01-04-TA665	65.0
01-04-TA666	66.0
01-04-TA667	67.0
01-04-TA668	68.0
01-04-TA669	69.0
01-04-TA670	70.0

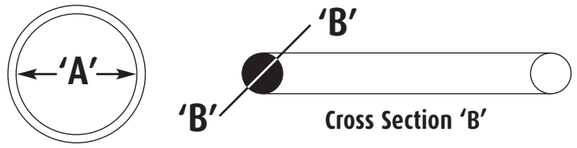
ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA671	71.0
01-04-TA672	72.0
01-04-TA673	73.0
01-04-TA674	74.0
01-04-TA675	75.0
01-04-TA676	76.0
01-04-TA677	77.0
01-04-TA678	78.0
01-04-TA679	79.0
01-04-TA680	80.0
01-04-TA681	81.0
01-04-TA682	82.0
01-04-TA683	83.0
01-04-TA684	84.0
01-04-TA685	85.0
01-04-TA686	86.0
01-04-TA687	87.0
01-04-TA688	88.0
01-04-TA689	89.0
01-04-TA690	90.0
01-04-TA691	91.0
01-04-TA692	92.0
01-04-TA693	93.0
01-04-TA694	94.0
01-04-TA695	95.0
01-04-TA696	96.0
01-04-TA697	97.0
01-04-TA698	98.0
01-04-TA699	99.0
01-04-TA700	100
01-04-TA701	101
01-04-TA702	102
01-04-TA703	103
01-04-TA704	104
01-04-TA705	105
01-04-TA706	106
01-04-TA707	107
01-04-TA708	108
01-04-TA709	109
01-04-TA710	110
01-04-TA711	111
01-04-TA712	112
01-04-TA713	113
01-04-TA714	114
01-04-TA715	115
01-04-TA716	116
01-04-TA717	117
01-04-TA718	118
01-04-TA719	119
01-04-TA720	120
01-04-TA721	121
01-04-TA722	122
01-04-TA723	123
01-04-TA724	124
01-04-TA725	125
01-04-TA726	126
01-04-TA727	127
01-04-TA728	128
01-04-TA729	129
01-04-TA730	130
01-04-TA731	131

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA732	132
01-04-TA733	133
01-04-TA734	134
01-04-TA735	135
01-04-TA736	136
01-04-TA737	137
01-04-TA738	138
01-04-TA739	139
01-04-TA740	140
01-04-TA741	141
01-04-TA742	142
01-04-TA743	143
01-04-TA744	144
01-04-TA745	145
01-04-TA746	146
01-04-TA747	147
01-04-TA748	148
01-04-TA749	149
01-04-TA750	150
01-04-TA751	151
01-04-TA752	152
01-04-TA753	153
01-04-TA754	154
01-04-TA755	155
01-04-TA756	156
01-04-TA757	157
01-04-TA758	158
01-04-TA759	159
01-04-TA760	160
01-04-TA761	161
01-04-TA762	162
01-04-TA763	163
01-04-TA764	164
01-04-TA765	165
01-04-TA766	166
01-04-TA767	167
01-04-TA768	168
01-04-TA769	169
01-04-TA770	170
01-04-TA771	171
01-04-TA772	172
01-04-TA773	173
01-04-TA774	174
01-04-TA775	175
01-04-TA776	176
01-04-TA777	177
01-04-TA778	178
01-04-TA779	179
01-04-TA780	180
01-04-TA781	181
01-04-TA782	182
01-04-TA783	183
01-04-TA784	184
01-04-TA785	185
01-04-TA786	186
01-04-TA787	187
01-04-TA788	188
01-04-TA789	189
01-04-TA790	190
01-04-TA791	191
01-04-TA792	192

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA793	193
01-04-TA794	194
01-04-TA795	195
01-04-TA796	196
01-04-TA797	197
01-04-TA798	198
01-04-TA799	199
01-04-TA800	200
01-04-TA801	201
01-04-TA802	202
01-04-TA803	203
01-04-TA804	204
01-04-TA805	205
01-04-TA806	206
01-04-TA807	207
01-04-TA808	208
01-04-TA809	209
01-04-TA810	210
01-04-TA811	211
01-04-TA812	212
01-04-TA813	213
01-04-TA814	214
01-04-TA815	215
01-04-TA816	216
01-04-TA817	217
01-04-TA818	218
01-04-TA819	219
01-04-TA820	220
01-04-TA821	221
01-04-TA822	222
01-04-TA823	223
01-04-TA824	224
01-04-TA825	225
01-04-TA826	226
01-04-TA827	227
01-04-TA828	228
01-04-TA829	229
01-04-TA830	230
01-04-TA831	231
01-04-TA832	232
01-04-TA833	233
01-04-TA834	234
01-04-TA835	235
01-04-TA836	236
01-04-TA837	237
01-04-TA838	238
01-04-TA839	239
01-04-TA840	240
01-04-TA841	241
01-04-TA842	242
01-04-TA843	243
01-04-TA844	244
01-04-TA845	245
01-04-TA846	246
01-04-TA847	247
01-04-TA848	248
01-04-TA849	249
01-04-TA850	250
01-04-TA851	251
01-04-TA852	252
01-04-TA853	253

Metric

Dimensions in Millimetres



Cross Section 'B'

Internal Diameter 'A'

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA854	254
01-04-TA855	255
01-04-TA856	256
01-04-TA857	257
01-04-TA858	258
01-04-TA859	259
01-04-TA860	260
01-04-TA861	261
01-04-TA862	262
01-04-TA863	263
01-04-TA864	264
01-04-TA865	265
01-04-TA866	266
01-04-TA867	267
01-04-TA868	268
01-04-TA869	269
01-04-TA870	270
01-04-TA871	271
01-04-TA872	272
01-04-TA873	273
01-04-TA874	274
01-04-TA875	275
01-04-TA876	276
01-04-TA877	277
01-04-TA878	278
01-04-TA879	279
01-04-TA880	280
01-04-TA881	281
01-04-TA882	282
01-04-TA883	283

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA884	284
01-04-TA885	285
01-04-TA886	286
01-04-TA887	287
01-04-TA888	288
01-04-TA889	289
01-04-TA890	290
01-04-TA891	291
01-04-TA892	292
01-04-TA893	293
01-04-TA894	294
01-04-TA895	295
01-04-TA896	296
01-04-TA897	297
01-04-TA898	298
01-04-TA899	299
01-04-TA900	300
01-04-TA901	301
01-04-TA902	302
01-04-TA903	303
01-04-TA904	304
01-04-TA905	305
01-04-TA906	306
01-04-TA907	307
01-04-TA908	308
01-04-TA909	309
01-04-TA910	310
01-04-TA911	311
01-04-TA912	312
01-04-TA913	313

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA914	314
01-04-TA915	315
01-04-TA916	316
01-04-TA917	317
01-04-TA918	318
01-04-TA919	319
01-04-TA920	320
01-04-TA921	321
01-04-TA922	322
01-04-TA923	323
01-04-TA924	324
01-04-TA925	325
01-04-TA926	326
01-04-TA927	327
01-04-TA928	328
01-04-TA929	329
01-04-TA930	330
01-04-TA931	331
01-04-TA932	332
01-04-TA933	333
01-04-TA934	334
01-04-TA935	335
01-04-TA936	336
01-04-TA937	337
01-04-TA938	338
01-04-TA939	339
01-04-TA940	340
01-04-TA941	341
01-04-TA942	342
01-04-TA943	343

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA944	344
01-04-TA945	345
01-04-TA946	346
01-04-TA947	347
01-04-TA948	348
01-04-TA949	349
01-04-TA950	350
01-04-TA951	351
01-04-TA952	352
01-04-TA953	353
01-04-TA954	354
01-04-TA955	355
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01-04-TA958	358
01-04-TA959	359
01-04-TA960	360
01-04-TA961	361
01-04-TA962	362
01-04-TA963	363
01-04-TA964	364
01-04-TA965	365
01-04-TA966	366
01-04-TA967	367
01-04-TA968	368
01-04-TA969	369
01-04-TA970	370
01-04-TA971	371
01-04-TA972	372
01-04-TA973	373

ASHTON REFERENCE	INTERNAL DIAMETER 'A'
CROSS SECTION 'B' 5.0	
01-04-TA974	374
01-04-TA975	375
01-04-TA976	376
01-04-TA977	377
01-04-TA978	378
01-04-TA979	379
01-04-TA980	380
01-04-TA981	381
01-04-TA982	382
01-04-TA983	383
01-04-TA984	384
01-04-TA985	385
01-04-TA986	386
01-04-TA987	387
01-04-TA988	388
01-04-TA989	389
01-04-TA990	390
01-04-TA991	391
01-04-TA992	392
01-04-TA993	393
01-04-TA994	394
01-04-TA995	395
01-04-TA996	396
01-04-TA997	397
01-04-TA998	398
01-04-TA999	399

ADDITIONAL SIZES AVAILABLE

Within this catalogue you will find listed the standard sizes of '0' Rings commonly found in use throughout the world. However, there are many more additional sizes available either from stock, or via production.

There are also many special tooled items available in a variety of sizes. If you cannot see the size that you require listed within this catalogue we would still like you to contact us - we may have the answer!

NITRILE

COMPOUND REFERENCE . K6
MATERIAL REFERENCE : 70MN
HARDNESS RANGE: 70±5 SHORE

70MN is based on an Acrylonitrile Butadiene Copolymer material and is resistant to all mineral oils, water and watery liquids, combustion gases and hot air, as well as numerous chemicals.

70MN is a general purpose material and is used in a variety of applications.

PHYSICAL PROPERTIES

Hardness SHORE	70±5
Tensile Strength	14 mPa
Elongation at Break (%)	350

AIR AGED 70 hrs @ 100˚C		*125˚C*
Hardness Change	6	+10
Tensile Change (%)	+14	+23
Elongation Change (%)	-16	-30

COMPRESSION SET 22 hrs @ 100˚C 8.0%

AGED IN ASTM No 1 OIL 70 hrs @ 100˚C		*125˚C*
Hardness Change	+5	+9
Tensile Change (%)	+18	+19
Elongation Change (%)	-14	-28
Volume Change (%)	-5	-6

AGED IN ASTM No 3 OIL 70 hrs @ 100˚C		*125˚C*
Hardness Change	-4	-4
Tensile Change (%)	-2	±0
Elongation Change (%)	-12	-21
Volume Change	+12.5	+13.2

AGED IN WATER 70 hrs @ 100˚C	
Hardness Change	0
Tensile Change (%)	+9
Elongation Change	-12
Volume Change	+14.7

COLD BRITTLENESS	
(ASTM D.746)	-39˚C

NITRILE

COMPOUND REFERENCE . K4
MATERIAL REFERENCE : 60MN
HARDNESS RANGE: 60±5 SHORE

60MN is based on an Acrylonitrile Butadiene Copolymer material and is resistant to all mineral oils, water and watery liquids, combustion gases and hot air, as well as numerous chemicals.

60MN is a general purpose material and is used in a variety of applications.

PHYSICAL PROPERTIES

Hardness SHORE	60±5
Tensile Strength	14N/mm²
Elongation at Break (%)	400

AIR AGED 70 hrs @ 100˚C		*125˚C*
Hardness Change	+6	+11
Tensile Change (%)	+10	+20
Elongation Change (%)	-19	-41

COMPRESSION SET 24 hrs @ 100˚C 16%

AGED IN ASTM No 1 OIL 70 hrs @ 100˚C		*125˚C*
Hardness Change	+5	+9
Tensile Change (%)	+16	+19
Elongation Change (%)	-18	-30
Volume Change (%)	-6	-6.4

AGED IN ASTM No 3 OIL 70 hrs @ 100˚C	
Hardness Change	-6
Tensile Change (%)	+9
Elongation Change (%)	-17
Volume Change	+3.3

AGED IN WATER 70 hrs @ 100˚C	
Hardness Change	-1
Tensile Change (%)	+2
Elongation Change	-17
Volume Change	+6

COLD BRITTLENESS	
(ASTM D.746)	-40˚C

NITRILE

COMPOUND REFERENCE . K0
MATERIAL REFERENCE : 90MN
HARDNESS RANGE: 90±5 SHORE

90MN is based on an Acrylonitrile Butadiene Copolymer material and is resistant to all mineral oils, water and watery liquids, combustion gases and hot air, as well as numerous chemicals.

90MN is a general purpose material and is used in a variety of applications.

PHYSICAL PROPERTIES

Hardness SHORE	90±5
Tensile Strength	15.7N/mm²
Elongation at Break (%)	180

AIR AGED 70 hrs @ 100˚C	
Hardness Change	+3
Tensile Change (%)	+2
Elongation Change (%)	-8

COMPRESSION SET 20 hrs @ 100˚C 6%

AGED IN ASTM No 1 OIL 70 hrs @ 100˚C	
Hardness Change	+3
Tensile Change (%)	-1
Elongation Change (%)	-12
Volume Change (%)	-4.2

AGED IN ASTM No 3 OIL 70 hrs @ 100˚C	
Hardness Change	-9
Tensile Change (%)	-5
Elongation Change (%)	-12
Volume Change	+13.1

AGED IN WATER 72 hrs @ 100˚C	
Hardness Change	-2
Tensile Change (%)	-0.8
Elongation Change	-9.3
Volume Change	+6.1

COLD BRITTLENESS	
(ASTM D.746)	-35˚C

E.P.D.M. PEROXIDE CURED

COMPOUND REFERENCE . E70N02V
HARDNESS RANGE: 70±5 SHORE

PHYSICAL PROPERTIES

Hardness SHORE	70˚±5˚
Tensile Strength	13.5N/mm²
Elongation at Break (%)	270

AIR AGED 70 hrs @ 100˚C	
Hardness	+10 max
Tensile Change (%)	>/= -25
Elongation Change (%)	>/= -25

COMPRESSION SET 70 hrs @ 100˚C 35% max

AGED IN WATER 70 hrs @ 100˚C	
Hardness	±5
Volume Change (%)	±5

FLOUROLASTOMER

COMPOUND REFERENCE . G6
MATERIAL REFERENCE : 75VI
HARDNESS RANGE: 75±5 SHORE

PHYSICAL PROPERTIES

Hardness SHORE	75±5
Tensile Strength	13.4 mPa
Elongation at Break (%)	187

AIR AGED 70 hrs @ 250˚C	
Hardness Change	+2
Tensile Change (%)	-6
Elongation Change (%)	-1

COMPRESSION SET 22 hrs @ 200˚C 10%
COMPRESSION SET 22 hrs @ 150˚C 25.1%

AGED IN ASTM No 1 OIL 168 hrs @ 150˚C	
Hardness Change	-1
Tensile Change (%)	-2
Elongation Change (%)	-7
Volume Change (%)	+0.1

AGED IN ASTM No 3 OIL 70 hrs @ 150˚C	
Hardness Change	-2
Tensile Change (%)	-11
Elongation Change (%)	-7.5
Volume Change	+3

AGED IN WATER 70 hrs @ 100˚C	
Hardness Change	0
Tensile Change (%)	-12
Elongation Change	+6
Volume Change	+2

COLD BRITTLENESS	
(ASTM D.2137)	-10˚C

SILICONE

COMPOUND REFERENCE .F6
MATERIAL REFERENCE : 70SI
HARDNESS RANGE: 70±5 SHORE

PHYSICAL PROPERTIES

Hardness SHORE	70±5
Tensile Strength	70kg/cm²
Elongation at Break (%)	200

AIR AGED 72 hrs @ 200˚C	
Hardness Change	+3
Tensile Change (%)	-15
Elongation Change (%)	-30

COMPRESSION SET 22 hrs @ 175˚C 23%

AGED IN ASTM No 1 OIL 70 hrs @ 175˚C	
Hardness Change	-14
Tensile Change (%)	-11
Elongation Change (%)	-11
Volume Change (%)	+14.5

AGED IN ASTM No 3 OIL 70 hrs @ 175˚C	
Hardness Change	-24
Tensile Change (%)	-56
Elongation Change (%)	-40
Volume Change	+53

COLD BRITTLENESS	
(ASTM D.746)	-60˚C

(The sample rings have been post cured for 4 hours @200˚C.)

The above tables are for information only, different compounds have varying properties.

PRODUCT LIST

SEALS DIVISION
- >> O-Rings
- >> O-Ring Cord
- >> Bonded Seals
- >> In-Line Filter Seals
- >> Mechanical Seals
- >> JM Clipper Seals
- >> Oil Seals
- >> Selon Seals
- >> Seloc Seals
- >> Quad®-Rings
- >> FEP Encapsulated O-Rings

LUBRICATION DIVISION
- >> Grease Guns
- >> Grease Nipples
- >> Grease Nipple Kits
- >> Connectors
- >> Nylon & Rubber Hoses
- >> Oil Cans
- >> Bucket Pumps

GASKET DIVISION
- >> Compressed synthetic fibre (CSF)
- >> Commercial Rubber
- >> Neoprene
- >> Nitrile
- >> EPDM
- >> Butyl
- >> Silicone
- >> Viton®
- >> Rubber Matting
- >> Insertion/Diaphragm Rubber
- >> Felt
- >> Nylon
- >> Gasket Paper/Cellulose Fibre
- >> Cork
- >> PTFE Extruded and Moulded Rod and Tube
- >> PTFE Sheeting: Virgin, Expanded or Filled
- >> PTFE Envelopes

KITS
- >> Standard Kits
- >> Automotive Air Conditioning Kits
- >> Plumbers Kits
- >> Splicing Kits
- >> Bonded Seals Kits
- >> Grease Nipple Kits
- >> Bespoke Kits

Ashton SEALS