

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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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

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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)				
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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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

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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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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

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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)				
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

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