



HANOJA SDN BHD (104175-D)
No 21 -1, Jalan Cempaka SD 12/2
Bandar Sri Damansara
52200 Kuala Lumpur
Malaysia

Tel: +603-6272 1972
Fax: +603-6275 4194

Email: sales@hanoja.com
Web: www.hanoja.com

Dimensions



This o-ring size reference contains size and nomenclature information for the most common global o-ring standards.

The information is organized into three columns.

1. The first column refers to the standard product No. that Hanoja follows.
2. The second column specifies each standard including the inside diameter (ID) and cross-section (CS) dimensions.
3. The third column is a master size table that includes all ID/CS combinations available in the standards sorted by CS, then by ID. For each ID/CS combination, it indicates which standards offer that size.

Abbreviation

I/D - Inside diameter

C/S - Cross-section dimensions

AS - United States Standard

BS - British Standard

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
001	0.74 x 1.02	1/32 x 3/32 x 1/32
002	1.07 x 1.27	3/64 x 9/64 x 3/64
	1.25 x 1	
102	1.25 x 2.62	1/16 x 1/4 x 3/32
	1.3 x 1.25	
	1.4 x 1	
003	1.42 x 1.52	1/16 x 3/16 x 1/16
003 1/2	1.78 x 1.02	1/16 x 1/8 x 1/32
004	1.78 x 1.78	5/64 x 13/64 x 1/16
	1.8 x 1	
	1.8 x 1.5	
	2 x 1	
	2 x 1.5	
103	2.06 x 2.62	3/32 x 9/32 x 3/22
	2.2 x 1.6	
	2.3 x 0.9	
	2.4 x 1.9	
	2.5 x 1	
005	2.57 x 1.78	3/32 x 7/32 x 1/16
	2.6 x 1.9	
	2.8 x 1.6	
104	2.85 x 2.62	1/8 x 5/16 x 3/32
006	2.90 x 1.78	1/8 x 1/4 x 1/16
	3 x 1	
	3 x 2	
	3 x 3	
	3.1 x 1.6	
	3.2 x 1.6	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	3.3 x 2.4	
	3.4 x 1.9	
	3.5 x 1	
	3.5 x 1.5	
105	3.63 x 2.62	5/32 x 11/32 x 3/32
007	3.68 x 1.78	5/32 x 9/32 x 1/16
	3.7 x 1.6	
	4 x 1	
	4 x 2	
	4 x 3	
	4.1 x 1.6	
	4.2 x 1.9	
	4.3 x 2.4	
201	4.34 x 3.53	3/16 x 7/16 x 1/8
106	4.42 x 2.62	3/16 x 3/8 x 3/22
008	4.47 x 1.78	3/16 x 5/16 x 1/16
901	4.70 x 1.42	
	4.7 x 1.6	
	4.9 x 1.9	
	5 x 1.2	
	5 x 1.5	
	5 x 2	
	5 x 2.5	
	5.1 x 1	
	5.1 x 1.6	
107	5.23 x 2.62	7/32 x 13/22 x 3/32
009	5.28 x 1.78	7/32 x 11/32 x 1/16
	5.3 x 2.4	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	5.7 x 1.9	
202	5.94 x 3.53	1/4 x 1/2 x 1/8
	6 x 1	
	6 x 2	
	6 x 2.2	
	6 x 2.5	
	6 x 3	
108	6.02 x 2.62	1/4 x 1/16 x 3/32
902	6.07 x 1.63	
010	6.07 x 1.78	1/4 x 3/8 x 1/14
	6.1 x 1.6	
	6.35 x 1.78	
	6.3 x 2.4	
	6.4 x 1.9	
	6.6 x 2.4	
	6.75 x 1.78	
	7 x 1.5	
	7 x 2	
	7 x 2.5	
	7 x 3	
	7.1 x 1.6	
	7.2 x 1.9	
	7.3 x 2.4	
	7.5 x 1.5	
	7.5 x 2	
203	7.52 x 3.53	5/16 x 9/16 x 1/8
	7.6 x 2.4	
109	7.60 x 2.62	5/16 x 1/2 x 3/22
903	7.65 x 1.63	
011	7.65 x 1.78	5/16 x 7/16 x 1/16
	8 x 1	
	8 x 1.5	
	8 x 1.9	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	8 x 2	
	8 x 2.5	
	8 x 3	
	8 x 5	
	8.3 x 2.4	
	8.35 x 2.7	
	8.73 x 1.78	
904	8.92 x 1.83	
	8.9 x 1.9	
	8.9 x 2.7	
	9 x 2	
	9 x 2.2	
	9 x 2.5	
	9 x 3	
	9 x 4	
	9.1 x 1.6	
204	9.12 x 3.53	3/8 x 5/8 x 1/8
110	9.2 x 2.62	3/8 x 9/16 x 3/22
012	9.25 x 1.78	3/8 x 1/2 x 1/16
	9.3 x 2.4	
	9.5 x 2	
	9.6 x 2.4	
	9.92 x 2.62	
	10 x 2	
	10 x 2.5	
	10 x 3	
	10 x 3.5	
	10 x 4	
	10.1 x 1.6	
	10.3 x 2.4	
309	10.47 x 5.33	7/16 x 13/16 x 3/16
	10.5 x 2.7	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
205	10.69 x 3.53	7/16 x 11/16 x 1/8
905	10.72 x 1.83	
111	10.77 x 2.62	7/16 x 5/8 x 3/32
013	10.82 x 1.78	7/16 x 9/16 x 1/16
	11 x 1	
	11 x 1.5	
	11 x 2	
	11 x 2.5	
	11 x 3	
	11 x 3.5	
	11 x 4	
	11.1 x 1.6	
	11.11 x 1.78	
	11.3 x 2.4	
	11.6 x 2.4	
	11.7 x 5.8	
906	11.90 x 1.98	
	11.91 x 1.78	
	11.91 x 2.62	
	12 x 1	
	12 x 1.5	
	12 x 2	
	12 x 2.5	
	12 x 3	
	12 x 4	
	12 x 5	
	12 x 5.6	
310	12.07 x 5.33	1/2 x 7/8 x 3/16
	12.1 x 1.6	
	12.1 x 2.7	
206	12.29 x 3.53	1/2 x 3/4 x 1/8
	12.3 x 2.4	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
112	12.37 x 2.62	1/2 x 11/16 x 3/32
014	12.42 x 1.78	1/2 x 5/8 x 1/16
	12.5 x 3.5	
	13 x 1	
	13 x 2	
	13 x 2.5	
	13 x 3	
	13 x 3.5	
	13 x 4	
	13 x 5	
	13.10 x 1.6	
	13.10 x 2.62	
	13.3 x 2.4	
907	13.46 x 2.08	
	13.6 x 2.4	
	13.6 x 2.7	
311	13.64 x 5.33	9/16 x 15/16 x 3/16
207	13.87 x 3.53	9/16 x 13/16 x 1/8
113	13.95 x 2.62	9/16 x 3/4 x 3/32
015	14 x 1.78	9/16 x 11/16 x 1/6
	14 x 2	
	14 x 2.5	
	14 x 3	
	14 x 3.5	
	14 x 4	
	14 x 5	
	14.10 x 2.4	
	14.3 x 2.4	
	15 x 2	
	15 x 2.5	
	15 x 3	
	15 x 4	
	15 x 5	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	15.08 x 2.62	
	15.1 x 1.6	
	15.1 x 2.7	
	15.2 x 3.5	
312	15.24 x 5.33	5/8 x 1 x 3/16
	15.3 x 2.4	
208	15.47 x 3.53	5/8 x 7/8 x 1/8
114	15.55 x 2.62	5/8 x 13/16 x 3/32
016	15.60 x 1.78	5/8 x 3/4 x 1/16
	15.6 x 2.4	
	15.88 x 2.62	
	16 x 1	
	16 x 1.25	
	16 x 1.9	
	16 x 2	
	16 x 2.5	
	16 x 3	
	16 x 3.5	
	16 x 4	
	16 x 4.5	
	16 x 5	
	16.1 x 1.6	
	16.3 x 2.4	
908	16.36 x 2.21	
313	16.82 x 5.33	11/16 x 1 1/16 x 3/16
	16.9 x 2.7	
	17 x 2	
	17 x 2.5	
	17 x 3	
	17 x 4	
209	17.04 x 3.53	11/16 x 15/16 x 1/8
	17.1 x 1.6	
115	17.12 x 2.62	11/16 x 7/8 x 3/32

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
017	17.17 x 1.78	11/16 x 13/16 x 1/16
	17.3 x 2.4	
	17.86 x 2.62	
909	17.93 x 2.46	
	18 x 1.5	
	18 x 2	
	18 x 2.5	
	18 x 3	
	18 x 4	
	18 x 5	
	18 x 6	
	18.1 x 1.6	
	18.2 x 3	
	18.3 x 2.4	
	18.3 x 3.6	
	18.4 x 2.7	
314	18.42 x 5.33	3/4 x 1 1/8 x 3/16
210	18.64 x 3.53	3/4 x 1 x 1/8
116	18.72 x 2.62	3/4 x 15/16 x 3/32
018	18.77 x 1.78	3/4 x 7/8 x 1/16
	19 x 2	
	19 x 5	
	19.05 x 1.78	
	19.1 x 1.6	
910	19.18 x 2.46	
	19.2 x 3	
	19.3 x 2.4	
	19.5 x 2.4	
	19.8 x 3.6	
315	19.99 x 5.33	13/16 x 1 3/16 x 3/16
	20 x 1.3	
	20 x 2	
	20 x 2.5	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	20 x 3	
	20 x 4	
	20 x 4.5	
	20 x 5	
	20 x 6	
	20.2 x 3	
211	20.22 x 3.53	13/16 x 1 1/16 x 1/8
	20.3 x 1.6	
	20.3 x 2.4	
117	20.30 x 2.62	13/16 x 1 x 3/32
019	20.35 x 1.78	13/16 x 15/16 x 1/16
	20.63 x 2.62	
	21 x 2	
	21 x 3	
	21.3 x 3.6	
	21.5 x 2.4	
212	21.82 x 3.53	7/8 x 1 1/8 x 1/8
118	21.90 x 2.62	7/8 x 1 1/16 x 3/32
911	21.92 x 2.95	
020	21.95 x 1.78	7/8 x 1 x 1/16
316	21.99 x 5.33	7/8 x 1 1/4 x 3/16
	22 x 1	
	22 x 1.5	
	22 x 2	
	22 x 3	
	22 x 4	
	22 x 5	
	22 x 5.5	
	22.1 x 1.6	
	22.2 x 3	
	22.22 x 2.62	
	22.3 x 2.4	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	22.4 x 2.5	
	23 x 2	
	23 x 2.5	
	23 x 3	
	23 x 3.6	
	23 x 4	
	23 x 5	
	23 x 6	
317	23.17 x 5.33	15/16 x 1 5/16 x 3/16
213	23.39 x 3.53	15/16 x 1 3/16 x 1/8
119	23.47 x 2.62	15/16 x 1 1/8 x 3/32
912	23.47 x 2.95	
	23.5 x 2.4	
021	23.52 x 1.78	15/16 x 1 1/16 x 1/16
	23.81 x 2.62	
	24 x 2	
	24 x 2.5	
	24 x 3	
	24 x 4	
	24 x 5	
	24.2 x 3	
	24.5 x 2.4	
	24.6 x 3	
	24.6 x 3.6	
318	24.77 x 5.33	1 x 1 3/8 x 3/16
214	24.99 x 3.53	1 x 1 1/4 x 1/8
	25 x 2	
	25 x 2.4	
	25 x 2.5	
	25 x 4	
	25 x 5	
	25 x 8	
913	25.04 x 2.95	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
120	25.07 x 2.62	1 x 1 3/16 x 3/32
	25.1 x 1.6	
022	25.12 x 1.78	1 x 1 1/8 x 1/6
	25.2 x 3	
	25.3 x 2.4	
	25.4 x 1.6	
	25.80	
	26. x 2	
	26 x 2.5	
	26 x 4	
	26 x 5	
	26.2 x 3	
	26.2 x 3.6	
319	26.34 x 5.33	1 1/16 x 1 7/16 x 3/16
215	26.57 x 3.53	1 1/16 x 1 5/16 x 1/8
914	26.61 x 2.95	
121	26.65 x 2.62	1 1/16 x 1 1/4 x 3/32
023	26.70 x 1.78	1 1/16 x 1 3/16 x 1/16
	27 x 2.5	
	27 x 3	
	27.1 x 1.6	
	27.3 x 2.4	
	27.8 x 1.6	
	27.8 x 3.6	
320	27.94 x 5.33	1 1/8 x 1 1/2 x 3/16
	28 x 2	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	28 x 2.5	
	28 x 3	
	28 x 3.15	
	28 x 4	
	28 x 5	
216	28.17 x 3.53	1 1/8 x 1 3/8 x 1/8
122	28.25 x 2.62	1 1/8 x 1 5/16 x 3/32
024	28.30 x 1.78	1 1/8 x 1 1/4 x 1/16
	29.1 x 1.6	
	29.2 x 3	
	29.3 x 3.6	
	29.4 x 1	
321	29.52 x 5.33	1 3/16 x 1 9/16 x 3/16
916	29.74 x 2.95	
217	29.74 x 3.53	1 3/16 x 1 7/16 x 1/8
123	29.82 x 2.62	1 3/16 x 1 5/16 x 1/16
025	29.87 x 1.78	1 3/16 x 1 5/16 x 1/16
	19.9 x 1	
	30 x 2	
	30 x 3	
	30 x 4	
	30 x 5	
	30.2 x 3	
	30.8 x 3.6	
	31 x 2	
	31 x 4	
	31 x 5	
322	31.12 x 5.33	1 1/4 x 1 5/8 x 3/16
218	31.34 x 3.53	1 1/4 x 1 1/2 x 1/8
124	31.42 x 2.62	1 1/4 x 1 7/6 x 3/32

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
026	31.47 x 1.78	1 1/4 x 1 3/8 x 1/16
	31.5 x 3	
	32 x 2	
	32 x 4	
	32 x 5	
	32 x 6	
	32 x 8	
	32.1 x 1.6	
	32.2 x 3	
	32.5 x 3.6	
323	32.69 x 5.33	1 5/16 x 1 11/16 x 3/16
	32.7 x 1.3	
219	32.92 x 3.53	1 5/16 x 1 9/16 x 1/8
125	33 x 2.62	1 5/16 x 1 1/2 x 3/32
	33 x 3	
	33 x 5	
027	33.05 x 1.78	1 5/16 x 1 7/16 x 1/16
	33.3 x 2.4	
	33.5 x 3.15	
	34 x 2	
	34 x 2.5	
	34 x 3	
	34 x 4	
	34 x 5	
	34.1 x 3.6	
	34.2 x 3	
324	34.29 x 5.33	1 3/8 x 1 3/4 x 3/16
918	34.42 x 2.95	
	34.5 x 1.6	
220	34.52 x 3.53	1 3/8 x 1 5/8 x 1/8
126	34.60 x 2.62	1 3/8 x 1 9/16 x 3/22
028	34.65 x 1.78	1 3/8 x 1 1/2 x 1/16
	35 x 2	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	35 x 3	
	35 x 4	
	35 x 5	
	35 x 6	
	35 x 10	
	35.1 x 1.6	
	35.2 x 3	
	35.2 x 5.7	
	35.6 x 3.6	
	35.8 x 4	
	36 x 1.78	
	36 x 2	
	36 x 4	
221	36.09 x 3.53	1 7/16 x 1 11/16 x 1/8
127	36.17 x 2.62	1 7/16 x 1 5/8 x 3/32
	36.2 x 3	
	37 x 2	
	37 x 4	
	37 x 10	
	37.1 x 1.6	
	37.2 x 3	
	37.3 x 3.6	
920	37.47 x 3	
325	37.47 x 5.33	1 1/2 x 1 7/8 x 3/16
	37.4 x 4.5	
222	37.69 x 3.53	1 1/2 x 1 3/4 x 1/8
128	37.77 x 2.62	1 1/2 x 1 11/16 x 3/22
029	37.82 x 1.78	1 1/2 x 1 5/8 x 1/16
	38 x 2	
	38 x 3	
	38 x 4	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	38 x 5	
	38 x 10	
	39 x 2	
	39.2 x 3	
	39.2 x 5.7	
129	39.35 x 2.62	1 9/16 x 1 3/4 x 3/22
	39.69 x 3.53	
	40 x 1.5	
	40 x 2	
	40 x 3	
	40 x 4	
	40 x 5	
	40 x 6	
	40.2 x 3	
326	40.64 x 5.33	1 5/8 x 2 x 3/16
223	40.87 x 3.53	1 5/8 x 1 7/8 x 1/8
130	40.87 x 3.53	1 5/8 x 1 13/16 x 3/32
030	41 x 1.78	1 5/8 x 1 3/4 x 1/16
	41 x 3	
	41 x 4	
	41 x 5	
	41.2 x 5.7	
	41.4 x 5.3	
	41.6 x 2.4	
	42 x 2	
	42 x 3.5	
	42 x 4	
	42 x 5	
	42 x 6	
	42 x 8	
	42.1 x 1.15	
	42.2 x 3	
131	42.52 x 2.62	1 11/16 x 1 7/8 x 3/32

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	42.86 x 3.53	
	43 x 2	
	43 x 3	
	43 x 4	
	43 x 5	
	43.4 x 3.6	
924	43.69 x 3	
327	43.82 x .33	1 3/4 x 2 1/8 x 3/16
	44 x 2	
	44 x 2.5	
	44 x 3	
	44 x 4	
	44 x 5	
	44 x 6	
	4 x 6.5	
224	44.04 x 3.53	1 3/4 x 2 x 1/8
	44.1 x 1.6	
132	44.12 x 2.62	1 3/4 x 1 15/16 x 3/32
031	44.17 x 1.78	1 3/4 x 1 7/8 x 1/16
	44.2 x 3	
	44.2 x 5.7	
	44.45 x 3..53	
	44.5 x 3	
	45 x 1.6	
	45 x 2	
	45 x 3	
	45 x 3.5	
	45 x 3.6	
	45 x 4	
	45 x 5	
	45.2 x 3	
133	45.70 x 2.62	1 13/16 x 2 x 3/32
	46 x 3	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	46 x 4	
	46 x 5	
	46.04 x 3.53	
	46.2 x 3	
328	46.99 x 5.33	1 7/8 x 2 1/4 x 3/16
	47 x 2	
	47 x 3	
	47 x 3.7	
	47 x 4	
	47.2 x 5.7	
225	47.22 x 3.53	1 7/8 x 2 1/8 x 1/8
134	47.30 x 2.62	1 7/8 x 2 1/16 x 3/22
032	47.35 x 1.78	1 7/8 x 2 x 1/16
	7.65 x 1.57	
	48 x 2	
	48 x 3	
	48 x 4	
	48 x 4.5	
	48 x 5	
	48 x 6	
135	48.90 x 2.62	1 5/16 x 2 1/8 x 3/22
	9.2 x 5.7	
	49.21 x 3.53	
	49.5 x 3	
	50 x 1.5	
	50 x 2	
	50 x 3	
	50 x 4	
	50 x 4.5	
	50 x 5	
	50 x 6	
	50 x 6.5	
329	50.17 x 5.33	2 x 23/8 x 3/16

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
226	50.39 x 3.53	2 x 2 1/4 x 1/8
136	50.47 x 2.62	2 x 2 3/16 x 3/32
033	50.52 x 1.78	2 x 2 1/8 x 1/16
	51.2 x 5.7	
	52 x 2	
	52 x 3	
	52 x 4	
	52 x 5	
137	52.07 x 2.62	2 1/16 x 2 1/4 x 3/22
	52.39 x 3.53	
	52.5 x 3	
	52.5 x 5.7	
	53 x 4	
	53 x 5	
928	53.10 x 3	
330	53.34 x 5.33	2 1/8 x 2 1/2 x 3/16
227	53.57 x 3.53	2 1/8 x 2 3/8 x 1/8
138	53.64 x 2.62	2 1/8 x 2 5/16 x 3/22
034	53.70 x 1.78	2 1/8 x 2 1/4 x 1/16
	53.98 x 3.53	
	54 x 2	
	54 x 4	
	54 x 5	
	54 x 6	
	54.2 x 3	
	54.2 x 5.7	
	54.4 x 5.3	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	55 x 2	
	55 x 2.5	
	55 x 3	
	55 x 3.5	
	55 x 4	
	55 x 5	
	55.2 x 5.7	
139	55.25 x 2.62	2 3/16 x 2 3/8 x 3/32
	55.26 x 3.53	
	56 x 2	
	56 x 3	
	56 x 4	
	56 x 5	
331	56.52 x 5.33	2 1/4 x 2 5/8 x 3/16
228	56.75 x 3.53	2 1/4 x 2 1/2 x 1/8
140	56.82 x 2.62	2 1/4 x 2 7/16 x 3/32
035	56.87 x 1.78	2 1/4 x 2 3/8 x 1/16
	57 x 2	
	57 x 3	
	57 x 5	
	57.15 x 3.53	
	57.2 x 5.7	
	58 x 2	
	58 x 3	
	58 x 4	
	58 x 5	
141	58.42 x 2.62	2 5/16 x 2 1/2 x 3/22
	58.74 x 3.53	
	59 x 3	
	59.2 x 5.7	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
037	29.36 x 3	
	59.5 x 3	
332	59.69 x 5.33	2 3/8 x 2 3/4 x 3/16
229	59.92 x 3.53	2 3/8 x 2 5/8 x 1/8
142	59.99 x .62	2 3/8 x 2 9/16 x 3/32
	60 x 2	
	60 x 3	
	60 x 4	
	60 x 5	
	60 x 8	
036	60.05 x 1.78	2 3/8 x 2 1/2 x 1/16
	60.33 x 3.53	
	61 x 4.5	
	61 x 5	
143	61.60 x 2.62	2 7/16 x 2 5/8 x 3/27
	61.91 x 3.53	
	62 x 2	
	62 x 3	
	62 x 4	
	62 x 5	
	62 x 5.7	
	62.2 x 3	
333	62.87 x 5.33	2 1/2 x 2 7/8 x 3/16
	63 x 3	
	63 x 4	
	63 x 5	
230	63.09 x 3.53	2 1/2 x 2 3/4 x 1/8
144	63.17 x 2.62	2 1/2 x 2 11/16 x 3/32

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
037	63.22 x 1.78	2 1/2 x 2 5/8 x 1/16
	63.50 x 3.53	
	64 x 4	
	64 x 4.5	
	64 x 5	
	64 x 5.7	
	64.2 x 1.6	
	64.2 x 5.7	
	64.5 x 3	
145	64.77 x 2.62	2 9/16 x 2 3/4 x 3/22
	65 x 2	
	65 x 3	
	65 x 4	
	65 x 5	
	65.09 x 3.53	
	66 x 2	
	66 x 3	
	66 x 4	
	66 x 4.5	
334	66.04 x 5.33	2 5/8 x 3 x 3/16
231	66.27 x 3.53	2 5/8 x 2 7/8 x 1/8
146	66.34 x 2.62	2 5/8 x 2 13/16 x 3/32
038	66.40 x 1.78	2 5/8 x 2 3/4 x 1/16
	66.68 x 3.53	
	67 x 2	
	67 x 3	
	67 x 4	
	67.2 x 5.7	
147	67.95 x 2.62	2 11/16 x 7/8 x 3/32
	68 x 2	
	68 x 3	
	68 x 4	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	68 x 5	
	68 x 6	
	68.26 x 3.53	
	69 x 2	
	69 x 4	
	69 x 5.7	
335	69.22 x 5.33	2 3/4 x 3 1/8 x 3/16
232	69.44 x 3.53	2 3/4 x 3 x 1/8
	69.5 x 3	
148	69.52 x 2.62	2 3/4 x 2 15/16 x 3/32
039	69.57 x 1.78	2 3/4 x 2 7/8 x 1/16
	70 x 4	
	70 x 5	
	70 x 7	
	71 x 3	
	71 x 4.5	
149	71.12 x 2.62	2 13/16 x 3 x 3/22
	71.44 x 3.53	
	71.7 x 5.7	
	72 x 2	
	72 x 3	
	72 x 4	
	72 x 4.5	
	72 x 5	
336	72.39 x 5.33	2 7/8 x 3 1/4 x 3/16
233	72.62 x 3.53	2 7/8 x 3 1/8 x 1/8
150	72.70 x 2.62	2 7/8 x 3 1/6 x 3/32
040	72.75 x 1.78	2 7/8 x 3 x 1/16
	73 x 4	
	73 x 5	
	74 x 2	
	74 x 4	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	74 x 5.7	
	74.5 x 3	
	74.61 x 3.53	
	74.63 x 5.33	
	75 x 3.5	
	75 x 4	
	75 x 5	
	75 x 6	
	75 x 7.5	
337	75.57 x 5.33	3 x 3 3/8 x 3/16
234	75.80 x 3.53	3 x 3 1/4 x 1/8
151	75.87 x 2.62	3 x 3 3/16 x 3/22
041	75.92 x 1.78	3 x 3 1/8 x 1/16
	16 x 3	
	76 x 4	
	76 x 4.5	
	77 x 5	
	78 x 2	
	78 x 3	
	78 x 4	
338	78.74 x 5.33	3 1/8 x 3 1/2 x 3/16
235	98.97 x 3.53	3 1/8 x 3 3/8 x 1/8
	79 x 5.7	
	79.5 x 3	
	79.77 x 5.33	
	80 x 4	
	80 x 5	
	81.2 x 5.7	
339	81.92 x 5.33	3 1/4 x 3 5/8 x 3/16

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	82 x 4	
	82 x 5	
236	82.14 x 3.53	3 1/4 x 3 1/2 x 1/8
152	82.22 x 2.62	3 1/4 x 3 7/16 x 3/22
042	82.27 x 1.78	3 1/4 x 3 3/8 x 1/16
	84 x 2	
	84.2 x 5.7	
	84.5 x 3	
	85 x 2	
	85 x 4	
	85 x 5	
340	85.09 x 5.33	3 3/8 x 3 3/4 x 3/16
237	85.32 x 3.53	3 3/8 x 3 5/8 x 1/8
	86.5 x 4	
	87 x 3	
	87.2 x 5.7	
	88 x 2	
	88 x 3	
	88 x 5	
341	88.27 x 5.33	3 1/2 x 3 7/8 x 3/16
238	88.49 x 3.53	3 1/2 x 3 3/4 x 1/8
153	88.57 x 2.62	3 1/2 x 3 11/16 x 3/32
043	88.62 x 1.78	3 1/2 x 3 5/8 x 1/16
	89 x 4	
	89.2 x 5.7	
	85.3 x 3	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	89.69 x 5.33	
	90 x 2	
	90 x 4	
	90 x 5	
342	91.44 x 5.33	3 5/8 x 4 x 3/16
339	91.67 x 3.53	3 5/8 x 3 7/8 x 1/8
	92 x 4	
	92.2 x 5.7	
	93 x 3	
	93 x 5	
	94.1 x 5.7	
	94.5 x 3	
343	94.62 x 5.33	3 3/4 x 4 1/4 x 3/16
240	94.84 x 3.53	3 3/4 x 4 x 1/8
154	94.84 x 3.53	3 3/4 x 3 15/16 x 3/22
044	94.97 x 1.78	3 3/4 x 3 7/8 x 1/16
	95 x 4	
	95 x 4.5	
	95 x 5	
	96 x 2	
	96 x 4	
	97 x 5	
	97.5 x 5.7	
344	97.79 x 5.33	3 7/8 x 4 1/4 x 3/16
	98 x 3	
	98 x 4	
341	98.02 x 3.53	3 7/4 x 4 1/8 x 1/8

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	99 x 5.7	
	99.5 x 3	
	100 x 1.5	
	100 x 2	
	100 x 4	
	100 x 5	
	100 x 5.33	
	100 x 6	
345	100.97 x 5.33	4 4 3/8 x 3/16
242	101.20 x 3.53	4 x 4 1/4 x 1/8
155	101.27 x 2.62	4 x 4 3/16 x 3/32
045	101.32 x 1.78	4 x 4 1/8 x 1/16
	102 x 3	
	102 x 4	
	103 x 2.5	
	104 x 5.7	
346	104.14 x 5.33	4 1/8 x 4 1/2 x 3/16
243	104.37 x 3.53	4 /18 x 4 3/8 x 1/8
	104.5 x 3	
	105 x 2	
	105 x 5	
	105 x 7	
	105 x 9	
	105 x 10	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	106 x 4	
347	107.32 x 5.33	4 1/4 x 4 1/2 x 1/8
244	107.54 x 3.53	4 1/4 x 4 1/2 x 1/8
156	107.62 x 2.62	4 1/4 x 4 7/16 x 3/22
046	107.67 x 1.78	4 1/4 x 4 5/8 x 1/16
	108 x 3	
	108 x 5	
	108 x 8	
	109 x 5	
	109 x 5.7	
	109.5 x 3	
	109.5 x 5.33	
	110 x 4	
	110 x 5	
	110 x 6	
	110 x 7	
	110 x 11	
348	110.49 x 5.33	4 3/8 x 4 3/4 x 3/16
245	110.72 x 3.53	4 3/8 x 4 5/8 x 1/8
	112 x 3	
	112 x 4	
349	113.67 x 5.33	4 1/2 x 4 7/8 x 3/16
425	113.67 x 7	4 1/2 x 5 x 1/4
246	113.89 x 3.53	4 1/2 x 4 3/4 x 1/8
157	113.97 x 2.62	4 1/2 x 11/16 x 3/32
	114 x 5.7	
	114 x 6	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	114 x 8	
047	114.02 x 1.78	4 1/2 x 4 5/8 x 1 /16
	114.5 x 3	
	114.7 x 7	
	115 x 4	
	115 x 4	
	116 x 4	
350	116.84 x 5.33	4 5/8 x 5 x 3/16
426	116.84 x 7	4 5/8 x 5 1/8 x 1/4
	117 x 4	
247	117.07 x 3.53	4 5/8 x 4 7/8 x 1/8
	117.5 x 5.33	
	118 x 3	
	118 x 5	
	119.2 x 5.7	
	119.3 x 5.7	
	119.5 x 3	
	120 x 2	
	120 x 4	
	120 x 5	
	120 x 6	
	120 x 10	
351	120.02 x 5.33	4 3/4 x 5 1/8 x 3/16
427	120.02 x 7	4 3/4 x 1/4 x 1/4
248	120.25 x 3.53	4 3/4 x 5 x 1/8
	120.20 x 4.8	
158	120.32 x 2.62	4 3/4 x 4 5/16 x 3/32
048	120.37 x 1.78	4 3/4 x 4 7/8 x 1/16

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	120.7 x 5.33	
	122 x 4	
	123 x 8	
352	123.19 x 5.33	4 7/8 x 5 1/4 x 3/16
428	123.19 x 7	4 7/8 x 5 3/8 x 1/4
249	123.42 x 3.53	4 7/8 x 5 1/8 x 1/8
	124 x 5.7	
	124.3 x 5.7	
	124.5 x 3	
	125 x 2.4	
	125 x 4	
	125 x 5	
	125.6 x 2	
353	126.37 x 5.33	5 x 5 3/8 x 3/16
429	126.37 x 7	5 x 5 1/2 x 1/4
250	126.60 x 3.53	5 x 5 1/4 x 1/8
159	126.67 x 2.62	5 x 5 3/16 x 3/22
049	126.72 x 1.78	5 x 5 1/8 x 1/16
	127.0 x 5.33	
	128 x 4.5	
	128 x 6	
	129.1 x 5.7	
	129.2 x 5.7	
	129.5 x 3	
354	129.54 x 5.33	5 1/8 x 5 1/2 x 3/16
430	129.54 x 7	5 1/6 x 5 5/8 x 1/4
251	129.77 x 3.53	5 1/8 x 5 3/8 x 1/8
	130 x 3	
	130 x 4	
	130 x 5	
	130 x 6	
	130.2 x 5.33	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	132 x 4	
355	132.72 x 5.33	5 1/4 x 5 5/8 x 3/16
431	132.72 x 7	5 1/4 x 5 3/4 x 1/4
252	132.95 x 3.53	5 1/4 x 5 1/2 x 1/8
160	133.02 x 2.62	5 1/4 x 5 7/16 x 3/32
050	133.07 x 1.78	5 1/4 x 5 3/8 x 1/16
	134.3 x 5.7	
	134.5 x 3	
	134.5 x 6.99	
	135 x 3	
	135 x 4	
	135 x 5	
	135 x 6	
356	135.89 x 5.33	5 3/8 x 5 3/4 x 3/16
432	135.89 x 7	5 3/8 x 5 7/8 x 1/4
253	136.12 x 3.53	5 3/8 x 5 5/8 x 1/8
	138 x 6	
357	139.07 x 5.33	5 1/2 x 5 7/8 x 3/16
433	139.07 x 7	5 1/2 x 6 x 1/4
254	139.30 x 3.53	5 1/2 x 5 3/4 x 1/8
	139.30 x 5.7	
161	139.37 x 2.62	5 1/2 x 5 11/16 x 3/32
	139.7 x 5.34	
	140 x 2	
	140 x 3	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	140 x 4	
	140 x 5	
358	142.24 x 5.3	5 5/6 x 6 x 3/16
434	142.24 x 7	5 5/6 x 6 1/6 x 1/8
255	142.47 x 3.53	5 5/8 x 5 7/8 x 1/8
	142.9 x 5.33	
	143 x 6	
	144.1 x 8.4	
	144.3 x 5.7	
	144.5 x 3	
	145. x 5	
359	145.42 x 5.33	5 3/4 x 6 1/5 x 3/16
435	145.42 x 7	5 3/4 x 6 1/4 x 1/4
256	5 3/4 x 6 x 1/8	145.72 x 3.53
162	145.72 x 2.62	5 3/4 x 5 15/16 x 3/32
	146 x 4	
	148 x 3	
	148 x 6	
	148 x 10	
360	148.59 x 5.33	5 7/8 x 6 1/4 x 3/16
436	148.59 x 7	5 7/8 x 6 3/8 x 1/4
257	148.82 x 3.53	5 7/8 x 6 1/8 x 1/8
	149.1 x 8.4	
	149.2 x 5.33	
	149.2 x 5.7	
	149.3 x 5.7	
	194.5 x 3	
	150 x 3	
	150 x 4	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	150 x 4	
	150 x 6	
	150 x 8	
361	151.77 x 5.33	6 x 6 3/8 x 3/16
437	151.77 x 7	6 x 6 1/2 x 1/4
258	152 x 3.53	6 x 6 1/4 x 1/8
163	152.07 x 2.62	6 x 6 3/4 x 3/32
	154.1 x 8.4	
	154.3 x 5.7	
	154.5 x 3	
	155 x 4	
	155 x 5	
	155.6 x 7	
	158 x 5	
	158 x 6	
362	158.12 x 5.33	6 1/4 x 6 5/6 x 3/16
438	158.12 x 7	6 1/4 x 6 3/4 x 1/4
259	158.42 x 2.62	6 1/4 x 6 1/2 x 1/8
164	158.42 x 2.62	6 1/4 x 6 7/16 x 3/22
	159 x 2	
	159.1 x 8.4	
	159.3 x 5.7	
	160 x 3	
	160 x 4	
	160 x 5	
	160 x 8	
	160 x 10	
	161.9 x 7	
	164.2 x 5.7	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
363	164.47 x 5.33	6 1/2 x 6 7/8 x 3/16
439	164.47 x 7	6 1/2 x 7 x 1/4
260	164.70 x 3.53	6 1/2 x 6 3/4 x 1/8
165	167.77 x 3.53	6 1/2 x 6 11/16 x 3/32
165	165 x 2	6 1/2 x 6 11/16 x 3/32
	165 x 3	
	165 x 4	
	165 x 5	
	166.7 x 7	
	168 x 4	
	169.1 x 8.4	
	169.3 x 5.7	
	170 x 2.4	
	170 x 3	
	170 x 4	
	170 x 5	
364	170.82 x 5.3	6 3/4 x 7 1/8 x 3/16
440	170.82 x 7	6 3/4 x 7 1/4 x 1/4
261	171.04 x 3.53	6 3/4 x 7 1/8
166	171.12 x 2.62	6 3/4 x 6 15/16 x 3/32
	172 x 4	
	174 x 3	
	174 x 6	
	174.1 x 8.4	
	174.2 x 5.7	
	174.6 x 7	
	175 x 5	
365	177.17 x 5.33	7 x 7 3/8 x 3/16
441	177.17 x 7	7 x 7 1/2 x 1/4
262	177.40 x 3.53	7 x 7 1/4 x 1/8
167	177.47 x 2.62	7 x 7 3/16 x 3/22

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	179 x 3	
	179.1 x 8.4	
	179.3 x 5.7	
	180 x 4	
	180 x 5	
	180 x 6	
	180 x 8	
	181 x 6.99	
	183.5 x 3	
366	183.52 x 5.33	7 1/4 x 7 5/8 x 3/16
442	183.52 x 7	7 1/4 x 7 3/4 x 1/4
263	183.74 x 3.53	7 1/4 x 7 1/2 x 1/8
168	183.82 x 2.62	7 1/4 x 7 7/16 x 3/32
	184.1 x 8.4	
	184.3 x 5.7	
	185 x 4	
	185 x 5	
	186 x 7	
	187.3 x 7	
	188 x 6	
	189.2 x 5.7	
367	189.87 x 5.33	7 1/2 x 7 7/8 x 3/16
443	189.87 x 7	7 1/2 x 8 x 1/4
	190 x 3	
	190 x 5	
264	190.10 x 3.53	7 1/12 x 7 3/4 x 1/8

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
169	190.17 x 2.62	7 1/2 x 7 11/16 x 3
	192 x 4	
	192 x 7	
	193.3 x 4	
	194 x 2	
	194.1 x 8.4	
	194.3 x 5.7	
	194.5 x 3	
	195 x 5	
	195 x 6	
	195 x 10	
368	196.22 x 5.33	7 3/4 x 8 1/8 x 3/16
444	196.22 x 7	7 3/4 x 8 1/4 x 1/4
265	194.44 x 3.53	7 3/4 x 8 x 1/8
170	196.52 x 2.62	7 3/4 x 7 15/16 x 3/32
	199.1 x 8.4	
	192.2 x 5.7	
	200 x 3	
	200 x 5	
369	202.57 x 5.33	8 x 8 3/8 x 3/16
445	202.57 x 7	8 x 8 1/2 x 1/4
266	202.80 x 3.53	8 x 8 1/4 x 1/8
171	202.87 x 2.62	8 x 8 3/16 x 3/32
	203 x 3	
	204 x 6	
	205 x 4.7	
	205 x 5	
	205 x 10	
	208.9 x 7	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
370	208.92 x 5.33	8 1/4 x 8 5/8 x 3/16
	209.1 x 8.4	
267	209.14 x 3.53	8 1/4 x 8 1/2 x 1/8
172	209.22 x 2.62	8 1/4 x 8 7/16 x 3/32
	209.3 x 5.7	
	210 x 3	
	210 x 4	
	210 x 5	
	210 x 6	
	210 x 4	
	215 x 4	
	215 x 5	
371	215.27 x 5.33	215.27 x 5.33
446	8 1/2 x 9 x 1/4	215.27 x 7
268	215.50 x 3.53	8 1/2 x 8 3/4 x 1/8
173	215.57 x 2.62	8 1/2 x 8 11/16 x 3/32
	216 x 8	
	218 x 5.8	
	219.1 x 8.4	
	219.3 x 5.7	
	220 x 3	
	220 x 4	
	220 x 5	
	220 x 6.99	
	221.6 x 6.99	
372	221.62 x 5.33	8 3/4 x 9 1/8 x 3/16
269	221.84 x 3.53	8 3/4 x 9 x 1/8
174	221.92 x 2.62	8 3/4 x 8 15/16 x 3/32
	224 x 6	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	225 x 4	
	225 x 5	
	226 x 8	
	227 x 5	
373	227.97 x 5.33	8 3/4 x 9 1/8 x 3/16
447	227.97 x 7	9 x 9 1/2 x 1/4
	228 x 10	
270	228.20 x 3.53	9 x 9 1/4 x 1/8
175	228.27 x 2.62	9 x 9 3/4 x 3/32
	229 x 6	
	229.3 x 5.7	
	230 x 3	
	130 x 5	
	230 x 8	
	234.3 x 5.7	
	234.3 x 6.99	
374	234.32 x 5.33	9 1/4 x 9 5/8 x 3/16
271	234.55 x 3.53	9 1/4 x 9 1/2 x 1/8
176	234.62 x 2.62	9 1/4 x 9 7/16 x 3/32
	235 x 3	
	235 x 5	
	238 x 5	
	239.3 x 5.7	
	240 x 3	
	240 x 4	
	240 x 5	
	240 x 6	
375	240.67 x 5.33	9 1/2 x 9 7/8 x 3/16
448	240.67 x 7	9 1/2 x 10 x 1/4
272	240.90 x 3.53	9 1/2 x 9 3/4 x 1/8
177	240.97 x 2.62	9 1/2 x 9 11/16 x 3/32
	242 x 8	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	244 x 7	
	245 x 5	
	245 x 8	
	247 x 7	
376	247.02 x 5.33	9 3/4 x 10 1/8 x 3/16
273	247.25 x 3.53	9 3/4 x 10 x 1/8
178	247.32 x 2.62	9 3/4 x 9 15/16 x 3/22
	249.3 x 5.7	
	250 x 3	
	250 x 4	
	250 x 5	
	250 x 6	
	250 x 7	
377	253.37 x 5.33	10 x 10 3/8 x 3/16
449	253.37 x 7	10 x 10 1/2 x 1/4
274	253.60 x 3.53	10 x 10 1/4 x 1/8
	255 x 3	
	255 x 5	
	259.3 x 5.7	
	259.7 x 7	
	260 x 5	
	261.5 x 6.4	
	264 x 3	
	264 x 10	
	265 x 4	
	265 x 5	
378	266.07 x 5.33	10 1/2 x 10 7/8 x 3/16
450	266.07 x 7	10 1/2 x 11 x 1/4
275	266.29 x 3.53	10 1/2 x 10 3/4 x 1/8
	269.3 x 5.7	
	270 x 5	
	270 x 6	
	270 x 10	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	272.4 x 6.99	
	275 x 4	
	275 x 5	
379	278.77 x 5.33	11 x 11 3/8 x 3/16
451	278.77 x 7	11 x 11 1/2 x 1/4
276	278.99 x 3.53	11 x 11 1/4 x 1/8
	279.3 x 5.7	
	280 x 4	
	280 x 5	
	280 x 8	
	280 x 10	
	285 x 4	
	285 x 5	
	285.1 x 7	
	288 x 10	
	289.2 x 5.7	
	290 x 5	
380	291.47 x 5.33	11 1/2 x 11 7/8 x 3/16
452	291.47 x 7	11 1/2 x 12 x 1/4
277	291.69 x 3.53	11 1/2 x 11 3/4 x 1/8
	295 x 5	
	295 x 6	
	297 x 4	
	297.8 x 7	
	299.3 x 5.7	
	300 x 3	
	300 x 5	
	300 x 10	
381	304.17 x 5.33	12 x 12 3/8 x 3/16
453	304.17 x 7	12 x 12 1/2 x 1/4
278	304.39 x 3.53	12 x 12 1/4 x 1/8
	305 x 5	
	305 x 6	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	310 x 5	
	310 x 6	
	312 x 4	
	315 x 3	
	315 x 5	
	315 x 6	
	315 x 10	
454	316.87 x 7	12 1/2 x 13 x 1/4
	319.3 x 5.7	
	320 x 6	
	321 x 5	
	325 x 6	
	325 x 10	
	326 x 8	
382	329.57 x 5.33	13 x 13 3/8 x 3/16
455	329.57 x 7	13 x 13 1/2 x 1/4
279	329.79 x 3.53	13 x 13 1/4 x 1/8
	330 x 4	
	330 x 6	
	330 x 8	
	330 x 10	
	335 x 6	
	339.3 x 5.7	
	340 x 6	
	340 x 10	
456	342.27 x 7	13 1/2 x 14 x 1/4
	345 x 5	

Dimensions

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	350 x 6	
	350 x 12	
	354 x 8	
383	354.97 x 5.33	14 x 14 3/8 x 3/16
457	354.97 x 7	14 x 14 1/2 x 1/4
	355 x 4	
280	355.19 x 3.53	14 x 14 1/4 x 1/8
	359.3 x 5.7	
	360 x 3.5	
	360 x 6	
	360 x 10	
	365 x 6	
458	367.67 x 7	14 1/2 x 15 x 1/4
	370 x 2.5	
	375 x 6	
	376 x 18	
	378 x 4	
	379.3 x 5.7	
	380 x 6	
	380 x 10	
384	380.37 x 5.33	15 x 15 3/8 x 3/16
459	380.37 x 7	15 x 15 1/2 x 1/4
281	380.59 x 3.53	15 x 15 1/4 x 1/8
	385 x 6	
	390 x 4	
	392 x 10	
160	393.07 x 7	15 1/2 x 16 x 1/4
	395 x 4	
	395 x 5	

AS /BS Standard	Dimensions I/D x C/S Metric	Nominal Dimensions (Inch)
	399.3 x 5.7	
	400 x 5	
	400 x 6	
	400 x 8	
282	405.26 x 3.53	16 x 16 1/4 x 1/8
385	405.26 x 5.33	16 x 16 3/8 x 3/16
461	405.26 x 7	16 x 16 1/2 x 1/4
	408 x 12	
	410 x 4	
	415 x 5	
462	417.96 x 7	16 1/2 x 17 x 1/4
	422.2 6.9	
	425 x 4	
	425 x 8	
283	430.66 x 3.53	17 x 17 1/4 x 1/8
386	430.66 x 5.33	17 x 17 3/8 x 3/16
463	430.66 x 7	17 x 17 1/2 x 1/4
	432 x 12	
	432 x 13	
	439.3 x 5.7	
	440 x 4	
	442 x 12	
464	443.36 x 7	17 1/2 x 18 x 1/4
	450 x 8	
	450 x 10	
284	456.06 x 3.53	18 x 18 1/4 x 1/8
387	456.06 x 5.33	18 x 18 3/4 x 3/16
465	456.06 x 7	18 x 18 1/2 x 1/4
	460 x 5	
466	468.76 x 7	18 1/2 x 19 x 1/4
	470 x 4	
	480 x 6	

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings			
		Thickness (W)	Inner diameter (d)		
P 3	1003	1.9±0.07	2.8	±0.12	
P 4	1004		3.8		
P 5	1005		4.8		
P 6	1006		5.8		
P 7	1007		6.8		
P 8	1008		7.8		
P 9	1009		8.8		
P 10	1010		9.8		
-	1011		11.0		
-	1012		12.3		
	1013		13.0		
	1014		13.8		
	1015		14.8		
	1016		15.8		
	1017		16.8		
	1018		17.8		±0.15
	1019		18.8		
	1020	19.8			
	1021	21.0			
	1022	22.1			
	1023	23.3			
	1025	24.7			
	1026	26.2			
	1028	27.7			
	1030	29.7			
	1031	31.2	±0.12		
	1033	33.2			
	1035	35.2			
P 10A	2010	2.4±0.07	9.8	±0.12	
P 11	-		10.8		

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings		
		Thickness (W)	Inner diameter (d)	
P 11.2	2011	2.4±0.07	11.0	±0.12
P 12	-		11.8	
P 12.5	2012		12.3	
-	2013		13.0	
P 14	2014		13.8	
P 15	2015		14.8	
P 16	2016		15.8	
-	2017		16.8	
P 18	2018		17.8	
	2019		18.8	
P 20	2020		19.8	
P 21	2021		20.8	
P 22	-		21.8	
-	2022		22.1	
-	2023		23.3	
	2025		24.7	
	2026		26.2	
	2028		27.7	
	2030		29.7	
	2031		31.2	±0.25
	2033		33.2	
	2035		35.2	
	2037		37.2	
	2040		39.7	
	2042		42.2	
	2045		44.7	
	2047	47.2		
	2050	49.7		
	2053	52.6		
	2056	55.5		
	2060	59.6		

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings		
		Thickness (W)	Inner diameter (d)	
	2063	2.4±0.07	62.6	±0.25
	2067		66.6	
	2071		70.6	±0.4
P 22A	-	3.5± 0.1	21.7	±0.15
P 22.4	3022		22.1	
P 24	3024		23.7	
P 25	3025		24.7	
P 25.5	-		25.2	
P 26	3026		25.7	
P 28	3028		27.7	
P 29	-		28.7	
P 29.5	-		29.2	
P 30	3030		29.7	
P 31	-		30.7	
P 31.5	3031		31.2	
P 32	-		31.7	
P 34	3034		33.7	
P 35	-		34.7	
P 35.5	3035		35.2	
P 36	-		35.7	
P 38	3038		37.7	
P 39	3039		38.7	
P 40	3040	39.7		
P 41	-	40.7	±0.25	
P 42	3042	41.7		
P 44	3044	43.7		
P 45	3045	44.7		
P 46	-	45.7		
P 48	3048	47.7		
P 49	-	48.7		

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings		
		Thickness (W)	Inner diameter (d)	
P 50	3050	3.5±0.1	49.7	±0.25
-	3053		52.6	
-	3056		55.6	
	3060		59.6	
	3063		62.6	
	3067		66.6	
	3071		70.6	±0.4
	3075		74.6	
	3080		79.6	
	3085		84.6	
	3090		89.6	
	3095		94.6	
	3100		99.6	
	3106		105.6	
	3112		111.6	
	3118	117.6	±0.6	
	3125	124.6		
	3132	131.6		
	3140	139.6		
	3150	149.6	±0.25	
P 48A		47.6		
P 50A		49.6		
P 52		51.6		
P 53		52.6		
P 55		54.6		
P 56		55.6		
P 58		57.6		
P 60		59.6		
P 62		61.6		

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings		
		Thickness (W)	Inner diameter (d)	
P 63		5.7±0.15	62.6	±0.25
P 65			64.6	
P 67			66.6	
P 70			69.6	
P 71			70.6	
P 75			74.6	±0.4
P 80			79.6	
P 85			84.6	
P 90			89.6	
P 95			94.6	
P 100			99.6	
P 102			101.6	
P 105			104.6	
P 110			109.6	
P 112			111.6	
P 115		114.6	±0.6	
P 120		119.6		
P 125		124.6		
P 130		129.6		
P 132		131.6		
P 135		134.6		
P 140		139.6		
P 145		144.6		
P 150		149.6		
P 150A		8.4±0.15		149.5
P 155			154.9	
P 160			159.5	
P 165			164.5	
P 170			169.5	
P 175			174.5	

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Nominal size by JASO 6605 (automobile standards)	Dimensions of O-rings		
		Thickness (W)	Inner diameter (d)	
P 180		8.4±0.15	179.5	±0.6
P 185			184.5	±0.8
P 190			189.5	
P 195			194.5	
P 200			199.5	
P 205			204.5	
P 209			208.5	
P 210			209.5	
P 215			214.5	
P 220			219.5	
P 225			224.5	
P 230			229.5	
P 235			234.5	
P 240			239.5	
P 245			224.5	
P 250			249.5	
P 255			254.5	
P 260			259.5	
P 265			264.5	
P 270			269.5	
P 275			274.5	
P 280			279.5	
P 285			284.5	
P 290			289.5	
P 295			294.5	
P 300			299.5	
P 315			314.5	±1.0
P 320			319.5	
P 335			334.5	
P 340			339.5	

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Dimensions of O-rings	
	Thickness (W)	Inner diameter (d)
G 25	3.1±0.1	24.4
G 30		29.4
G 35		34.4
G 40		39.4
G 45		44.4
G 50		49.4
G 55		54.4
G 60		59.4
G 65		64.4
G 70		69.4
G 75		74.5
G 80		79.4
G 85		84.4
G 90		89.4
G 95		94.4
G 100		99.4
G 105		104.4
G 110		109.4
G 115		114.4
G 120		119.4
G 125	124.4	
G 130	129.4	
G 135	134.4	
G 140	139.4	
G 145	144.4	
G 150	5.7±0.15	149.3
G 155		154.3
G 160		159.3
G 165		164.3
G 170		169.3
G 175		174.3

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size	Dimensions of O-rings		Nominal Size	Dimensions of O-rings		
	Thickness (W)	Inner diameter (d)		Thickness (W)	Inner diameter (d)	
S 3	1.5±0.1	2.5	S 35.5	2.0±0.1	±0.15	
S 4		3.5	S 36			35.5
S 5		4.5	S 38			37.5
S 6		5.5	S 39			38.5
S 7		6.5	S 40			39.5
S 8		7.5	S 42		41.5	±0.25
S 9		8.5	S 44		43.5	
S 10		9.5	S 45		44.5	
S 11.2		10.7	S 46		45.5	
S 12		11.5	S 48		47.5	
S 12.5		12.0	S 50		49.5	
S 14		13.5	S 53		52.5	
S 15		14.5	S 55		54.5	
S 16		15.5	S 56		55.5	
S 18		17.5	S 60		59.5	
S 20		19.5	S 63		62.5	±0.4
S 22		21.5	S 65		64.5	
S 22.4		21.9	S 67		66.5	
S 24		23.5	S 70		69.5	
S 25		24.5	S 71		70.5	
S 26	25.5	S 75	74.5			
S 28	27.5	S 80	79.5			
S 29	28.5	S 85	84.5			
S 30	29.5	S 90	89.5			
S 31.5	31.0	S 95	94.5			
S 32	1.5					
S 34	33.5					
S 35	34.5					

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Japanese Standard Dimensions

Nominal Size by JLS B 2401	Dimensions of O-rings			
	Thickness (W)	Inner diameter (d)		Nominal diameter
V 15		14.5	±0.15	
V 24		23.5		12
V 34		33.5		20
V 40		39.5	±0.25	25
V 55		54.5		40
V 70		69.0	±0.4	50
V 85		84.0		70
V 100		99.0		80
V 120		119.0	±0.6	100
V 150		148.5		130
V 175		173.0	±0.8	160
V 225		222.5		200
V 275		272.0		260
V 325		321.5	±1.0	300
V 380		376.0		350
V 430		425.5	±1.2	400
V 480		475.0		450
V 530		524.5		±1.6
V 585		579.0	550	
V 640		633.5	600	
V 690	683.0	650		
V 740	732.5	±2.0	700	
V 790	782.0		750	
V 845	836.5		800	
V 950	940.5	±2.5	900	
V 1055	1044.0	±3.0	1000	

Table of dimensions of o-rings for dynamic sealing and static sealing of cylindrical surface and flat surface (JIS B2406) (JASO 6605) all dimensions in mm.

Assortment boxes

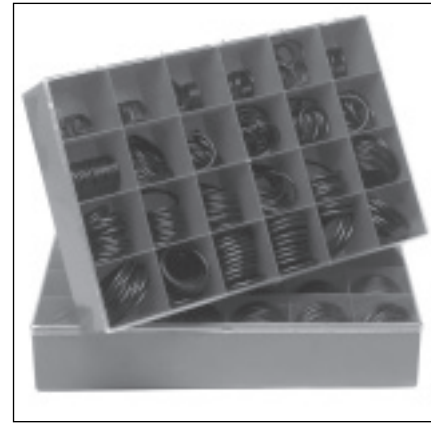
Your own O - ring warehouse in accordance with AS 568

Type A

Containing 435 O - rings in 30 sizes

Available

- Nitrile 70° Shore A
- Nitrile 90° Shore A
- Viton 70° Shore A



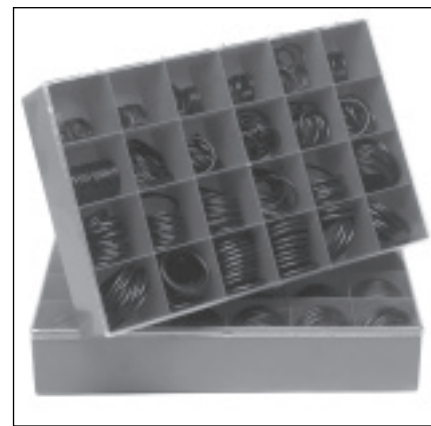
30 x 006 (2.90 x 1.78)	30 x 007 (3.69 x 1.78)	30 x 008 (4.47 x 1.78)	30 x 009 (5.28 x 1.78)	30 x 010 (6.07 x 1.78)
30 x 011 (7.65 x 1.78)	30 x 012 (9.25 x 1.78)	20 x 013 (10.82 x 1.78)	20 x 014 (12.42 x 1.78)	10 x 015 (14.00 x 1.78)
10 x 016 (15.60 x 1.78)	10 x 017 (17.17 x 1.78)	10 x 018 (18.77 x 1.78)	15 x 110 (9.20 x 2.62)	15 x 111 (10.78 x 2.62)
15 x 112 (12.37 x 2.62)	15 x 113 (13.95 x 2.62)	10 x 114 (15.54 x 2.62)	10 x 115 (17.12 x 2.62)	10 x 116 (18.72 x 2.62)
10 x 117 (20.30 x 2.62)	5 x 118 (21.90 x 2.62)	5 x 119 (23.47 x 2.62)	5 x 210 (18.64 x 3.53)	5 x 211 (20.22 x 3.53)
5 x 212 (21.82 x 3.53)	5 x 213 (23.39 x 3.53)	5 x 214 (24.99 x 3.53)	5 x 215 (26.57 x 3.53)	5 x 216 (28.17 x 3.53)

Type B

Containing 295 O - rings in 24 sizes

Available

- Nitrile 70° Shore A
- Nitrile 90° Shore A
- Viton 70° Shore A



15 x 019 (20.35 x 1.78)	15 x 020 (21.95 x 1.78)	15 x 120 (25.07 x 2.62)	15 x 121 (26.65 x 2.62)	15 x 122 (29.82 x 2.62)	15 x 123 (29.82 x 2.62)
15 x 124 (31.42 x 2.62)	15 x 125 (33.0 x 2.62)	15 x 217 (34.60 x 2.62)	15 x 218 (31.34 x 3.53)	15 x 218 (31.34 x 3.53)	15 x 219 (32.92 x 3.53)
15 x 220 (34.52 x 3.53)	10 x 221 (36.09 x 3.53)	10 x 222 (37.69 x 3.53)	10 x 223 (40.87 x 3.53)	10 x 224 (44.04 x 3.53)	10 x 225 (47.22 x 3.53)
10 x 226 (50.39 x 3.53)	10 x 325 (37.47 x 5.34)	10 x 326 (40.64 x 5.34)	10 x 327 (43.82 x 5.34)	5 x 328 (46.99 x 5.34)	5 x 329 (50.19 x 5.34)

Metric Sizes

Type C

Containing 425 O - rings in 30 sizes

Available

- Nitrile 70° Shore A



20 x 4 x 2	20 x 6 x 2	20 x 8 x 2	20 x 10 x 2	20 x 12 x 2
20 x 3.3 x 2.4	20 x 4.3 x 2.4	20 x 5.3 x 2.4	20 x 6.3 x 2.4	20 x 7.3 x 2.4
20 x 8.3 x 2.4	20 x 9.3 x 2.4	15 x 10.3 x 2.4	15 x 11.3 x 2.4	15 x 12.3 x 2.4
15 x 13.3 x 2.4	15 x 14.3 x 2.4	10 x 15.3 x 2.4	10 x 16.3 x 2.4	10 x 17.3 x 2.4
10 x 10 x 3	10 x 12 x 3	10 x 14 x 3	10 x 16 x 3	10 x 18 x 3
10 x 19.2 x 3	5 x 20 x 3	5 x 22 x 3	5 x 24 x 3	5 x 26.2 x 3

Type D

Containing 295 O - rings in 24 sizes

Available

- Nitrile 70° Shore A



15 x 18 x 2	15 x 20 x 2	15 x 25 x 3	15 x 26.2 x 3	15 x 28 x 3	15 x 29.2 x 3
15 x 32.3 x 3	15 x 34.2 x 3	15 x 36.2 x 3	15 x 30 x 4	15 x 32 x 4	15 x 34 x 4
15 x 35 x 4	10 x 38 x 4	10 x 40 x 4	10 x 42 x 4	10 x 45 x 4	10 x 46 x 4
10 x 48 x 4	10 x 35 x 5	10 x 40 x 5	10 x 45 x 5	5 x 48 x 5	5 x 50 x 5

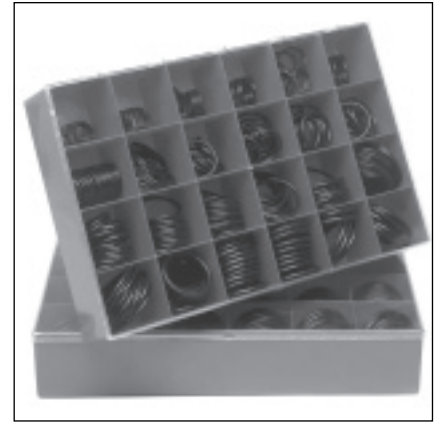
O-rings in accordance with French Standard

Type R 1

Containing 485 O - rings in 15 sizes

Available

- Nitrile 70° Shore A



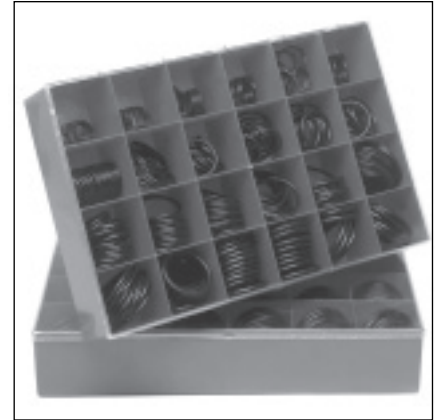
R 0 2.4 x 1.9	R 1 2.6 x 1.9	R 2 3.4 x 1.9	R 3 4.2 x 1.9	R 4 4.9 x 1.9
R 5 5.7 x 1.9	R 6 7.2 x 1.9	R 7 8.9 x 1.9	R 8 8.9 x 2.7	R 9 10.5 x 2.7
R 10 12.1 x 2.7	R 11 13.6 x 2.7	R 12 15.1 x 2.7	R 13 16.9 x 2.7	R 14 18.4 x 2.7

Type R 2

Containing 295 O - rings in 24 sizes

Available

- Nitrile 70° Shore A



R 10 12.1 x 2.7	R 11 13.6 x 2.7	R 12 15.1 x 2.7	R 13 16.9 x 2.7	R 14 18.4 x 2.7	R 15 18.3 x 3.6
R 16 19.8 x 3.6	R 17 21.3 x 3.6	R 18 23 x 3.6	R 19 24.6 x 3.6	R 20 26.2 x 3.6	R 21 27.8 x 3.6
R 22 29.3 x 3.6	R 23 30.8 x 3.6	R 24 32.5 x 3.6	R 25 34.1 x 3.6	R 26 35.6 x 3.6	R 27 37.3 x 3.6
R 28 37.7 x 5.33	R 29 40.64 x 5.33	R 30 43.82 x 5.33	R 31 46.99 x 5.33	R 32 50.17 x 5.33	R 33 53.34 x 5.33