



# O-Ring Handbook

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

柳州市诺安克密封件有限公司  
LIUZHOU NUOANKE SEAL CO., LTD

SEALING TECHNOLOGIES

**NUOANKE**  
INNOVATING TOGETHER

# 序言

## INTRODUCTION

诺安克密封件有限公司创立于 1999 年，是一家专业生产橡胶密封件和汽车零部件的生产企业。从原料到各项化学品，我们持续不断的跟随欧洲和美国对环保材料的要求，如欧盟和美国的 EACH/PAHs/RoHS/FDA 法规要求。我们还遵循 ISO-50001 能源管理 EnMS 标准，致力于节能减排，为地球环境做出贡献。我们的生产工厂具有齐备的试验仪器和雄厚的研究开发能力，经过公司的努力，其发展势头一直呈现扩大的趋势。

从模具开发、橡胶研发，到生产、检测过程，诺安克采用世界质量标准。公司拥有 ISO-9001 国际质量认证和 ITAF16949 认证，先进的技术，严格的管理体系和完善的售后服务，在中国建立了良好的信誉，满足了国内生产、销售等客户的需求。诺安克密封产品广泛应用于冶金、汽车、机床、工程机械等行业和领域，并在航空、勘探、矿山等极端环境下，性能优异，成为专业人士的首选。

本公司拥有 20 多年专业生产橡胶的经验，凭借自己独特的工艺控制图纸，确保生产出可靠、稳定的橡胶制品。除国内产品外，产品远销北美、南美、欧洲、东南亚、中东等地，过 65 个国家和地区。我们与许多海外公司建立了长期的合作关系。

Founded in 1999, NUOANKE seal is a manufacturer specializing in rubber seals and auto parts. We have been working hard on following the EU and U.S.A eco requirement such as REACH / PAHs / RoHS / FDA. from raw rubber and various chemical products. Furthermore, we follow ISO-50001 Energy Management EnMS for energy saving and CO<sub>2</sub> reducing, and make contribution to the earth environment. Our production plant has a complete set of test instruments and strong research and development capabilities. Though the efforts of the company, its development momentum has been expanding

From mold development, rubber research and development, to production and testing processes. NUOANKE adopts worldwide quality standards. With ISO-9001 international quality certification and ITAF16949 certification, advanced technology, strict management system and perfect after-sales service, we have established an excellent reputation and satisfied our customers with the needs of domestic production, distribution, maintenance and other customers. Today NUOANKE sealing products are widely used in metallurgy, automotive industry, machine tools, construction machinery and other industries and areas, and in aviation, exploration and mining in extreme environments, excellent performance, become a great choice for professionals.

The company has more than 20 years of professional experience in the production of rubber, with its own unique process control drawing, ensure the production of reliable and stable rubber products. In addition to domestic products, the product are sold to North America, South America, Europe, Southeast Asia, Middle East, etc. More than 65 countries and regions. We have established long-term cooperative relationships with many overseas companies.



# Professional advantage

## 專業優勢



Rigorous Sealing Research Technology, Quality Priority,  
Cooperate With Customers To Develop New Products



Decades Of Process Experience  
Huge Core Database



Perfect Equipemnt Testing Laboratory To Ensure The  
Reliability, Stability And Safety Of Products



Adhering To The "Quality First, Customer  
First, Continuous Improvement" Business  
Philosophy

# 目录

## Contents

1-2 / Material Property Table

3 / Pressure Of Work

4 / Tolerance

5-35 / O-Ring

36-39 / X-Ring

40-41 / ED Ring (DIN3869)

42-44 / V-Ring

45-50 / Back-up Ring

51-53 / Rubber Flat Gasket

54-56 / Bonded Washer

57-58 / Rubber Strip

59-63 / O-Ring Kit

64-73 / Cushion

74-75 / Customized Products



# Material | 材料物性表

## Material property table

Material Grade Resistance	丁腈橡胶 Nitrile Rubber NBR (N)	氢化丁腈橡胶 Hydrogenated Nitrile Rubber HNBR (H)	羧基丁腈橡胶 Carboxylated Nitrile Rubber XNBR (X)	三元乙丙橡胶 Ethylene propylene Rubber EPDM (E)	硅矽橡胶 Silicone Rubber VMQ(S) SIL	氯丁橡胶 Chloroprene Rubber Neoprene CR (C)	氟素橡胶 Fluorocarbon VITON FPM FKM (V)	四丙氟橡胶 TFE/P AFLAS (L)
Ozone	C	A	B	A	A	AB	A	A
Weather	C	A	A	A	A	B	A	A
High Temp	120°	150°	150°	150°	250°	120°	240°	230°
Chemical	BC	B	B	A	AB	BC	A	A
Oil	A	A	A	D	BC	BC	A	AB
Water	B	B	B	A	B	B	A	A
Low Temp	-40°C	-40°C	-35°C	-40°C	-60°C	-40°C	-40°C	-30°C
Wear	B	AB	AB	B	D	B	AB	AB
Deformation	AB	B	C	AB	A	C	B	B
Acid	C	B	B	AB	C	BC	A	A
Alkali	B	AB	B	A	C	AB	AB	A
Tensile Strength	AB	A	A	AB	D	AB	AB	AB
Steam	BC	BC	BC	AB	BC	C	BC	A
Burning	D	D	C	D	D	B	A	B
Lift Time(N=Year)	5-10N	5-10N	5-10N	5-10N	10-20N	5-10N	10-20N	ABT20N
Application	Fuel Tank Hydraulic Oil Lubricating Oil Water	Cooling Equipment Auto Engine	Rubber Tube Rubber Roller Rubber Shoes	Cars Doors Windows Radiators	Electrical Medical Food	Electrical Exposure To Atmospheric Sunlight And Chemical	O-Ring Water Pump Automobile Engine	Seals Tube Roller

图标说明：A特佳 B佳 C普通 D差  
 Noted: A(Very good)、B(Good)、C(Common)、D(Poor)

常用材料参考色 Commonly used material reference color	Red 紅色	Orange 橙色	Yellow 黄色	Green 綠色	Blue 藍色	Gray 灰色	Purple 紫色	Brown 棕色	Black 黑色
标准色号 (PANTONE)	187C	1665C	7404C	3298C	280C	431C	2665C	4975C	WarmgrayC

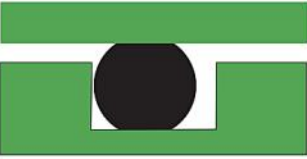


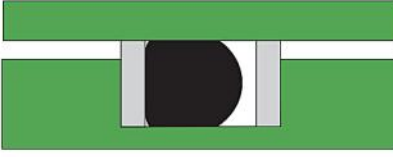

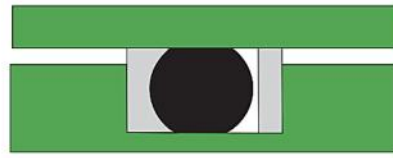

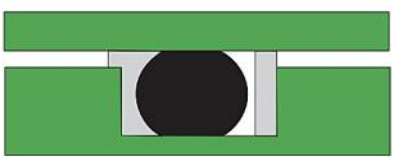

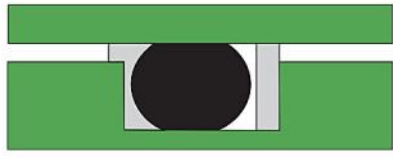
材料物性表 | Material  
Material property table

氟硅橡胶 Fluorinated silicone Rubber	全氟橡胶 Perfluoro elastomer Rubber	聚四氟乙烯 Polytetrafluoroethylene Teflon	聚氨酯 Urethane Polyurethane	氯醚橡胶 Epoichlorohydrin Rubber	天然橡胶 Natural Rubber	丁苯橡胶 Styrene Butadiene Rubber	丁基橡胶 Butyl Rubber	丙烯酸酯 Polyacrylate Rubber
FVMQ (F)	FFKM (K)	PTFE (T)	PU (U)	ECO (O)	NR (R)	SBR (B)	IR (I)	ACM (A)
A	A	A	A	A	D	D	B	A
A	A	A	B	B	D	C	A	A
200°	320°	280°	90°	135°	90°	110°	120°	150°
A	A	A	A	B	D	C	B	D
A	A	A	A	B	D	D	D	A
C	B	A	D	B	B	B	A	A
-60℃	-20℃	-100℃	-40℃	-35℃	-60℃	-40℃	-50℃	-25℃
D	A	A	A	AB	AB	AB	B	C
A	A	D	D	B	AB	AB	B	C
A	A	A	D	BC	BC	BC	B	CD
C	A	A	D	B	C	C	A	D
B	AB	CD	A	AB	A	A	B	C
BC	A	B	D	BC	BC	BC	BC	D
CD	A	A	C	CD	D	D	CD	CD
10-20N	ABT20N	ABT20N	4-10N	5-10N	3-5N	5-10N	5-10N	ABT20N

硬度表  
scale of hardness

硬度 (SHOREA)	硬度 (IRHD)	使用范围 (Using Range)
40+/-5	-	低压情况下须高度密封条件下使用
50+/-5	-	Low Pressure
60+/-5	63+/-5	
70+/-5	73+/-5	一般情况下之密封 Normally Pressure
80+/-5	83+/-5	
90+/-5	93+/-5	高压情况下之密封 High Pressure

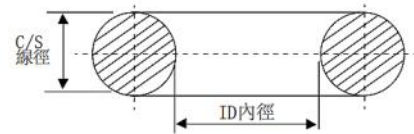
**Pressure** | 工作压力/变形量之关系  
 Pressure of work/The relationship between deformation

無擋圈 ( Without Back-up Ring )	工作壓力 (Pressure)	有擋圈 (With Back-up Ring)
	0壓力下	
	35KG/CM <sup>2</sup> 壓力下	
	70KG/CM <sup>2</sup> 壓力下	
	105KG/CM <sup>2</sup> 壓力下	
	210KG/CM <sup>2</sup> 壓力下	

尺寸标志及公差标准表 | Tolerance  
Size marking and tolerance standard table

内徑(ID)	公差Tolerance(±)
0.00-1.50	0.10
1.51-14.00	0.12
14.01-25.00	0.22
25.01-30.00	0.25
30.01-38.00	0.30
38.01-42.00	0.33
42.01-48.00	0.38
48.01-57.00	0.43
57.01-64.00	0.45
64.01-73.00	0.50
73.01-89.00	0.60
89.01-105.00	0.68
102.01-105.00	0.71
105.01-125.00	0.76
125.01-153.00	0.88
153.01-178.00	1.01
178.01-203.00	1.14
203.01-230.00	1.27
230.01-267.00	1.39
267.01-330.00	1.52
330.01-381.00	1.65
381.01-394.00	1.77
394.01-418.00	1.90
418.01-431.00	2.03
431.01-470.00	2.15
470.01-533.00	2.28
533.01-558.00	2.54
558.01-583.00	2.66
583.01-610.00	2.79
610.01-634.00	2.92

内徑(ID)	公差Tolerance(±)
0.00-2.00	0.07
2.01-3.00	0.08
3.01-4.00	0.10
4.01-5.00	0.12
5.01-7.00	0.15
7.01-10.00	0.20
10.01-15.00	0.25
15.01-25.00	0.35
25.01-100.00	0.45



# 0 型圈

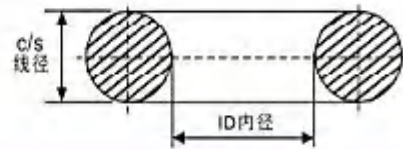
## O-ring

0 型圈可作为油、水、空气等  
各种流动的密封使用。

The O type ring can be used as oil, water, air, etc.  
All kinds of flow are sealed.



# O-Ring | O型圈

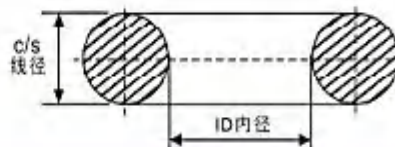


Code	Size (ID x CS)
1	7.00 x 0.3
2	0.65 x 0.4
3	0.80 x 0.4
4	1.20 x 0.4
5	1.60 x 0.4
6	0.80 x 0.5
7	1.00 x 0.5
8	1.50 x 0.5
9	1.80 x 0.5
10	2.00 x 0.5
11	2.50 x 0.5
12	3.00 x 0.5
13	3.50 x 0.5
14	4 x 0.5
15	5 x 0.5
16	6 x 0.5
17	7 x 0.5
18	8 x 0.5
19	9 x 0.5
20	10 x 0.5
21	11 x 0.5
22	12 x 0.5
23	13 x 0.5
24	13.5 x 0.5
25	14 x 0.5
26	15 x 0.5
27	20 x 0.5
28	23.5 x 0.5
29	25 x 0.5
30	30 x 0.5
31	39.5 x 0.5
32	60 x 0.5
33	7.9 x 0.51
34	1.63 x 0.53
35	1.4 x 0.6
36	1.5 x 0.6
37	2.2 x 0.6
38	3 x 0.6
39	6 x 0.6
40	16 x 0.6
41	31.8 x 0.6
42	0.56 x 0.66
43	1.85 x 0.66
44	0.6 x 0.7

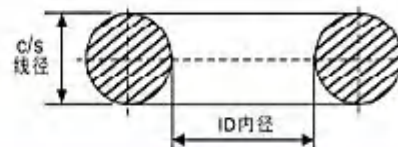
Code	Size (ID x CS)
45	1.6 x 0.7
46	1.8 x 0.7
47	2.3 x 0.7
48	1.5 x 0.75
49	6 x 0.75
50	7 x 0.75
51	8.3 x 0.75
52	8.51 x 0.79
53	1 x 0.8
54	1.4 x 0.8
55	2 x 0.8
56	2.5 x 0.8
57	2.7 x 0.8
58	2.9 x 0.8
59	3.3 x 0.8
60	3.5 x 0.8
61	4.5 x 0.8
62	5 x 0.8
63	6.4 x 0.8
64	6.65 x 0.8
65	7 x 0.8
66	7.9 x 0.8
67	10.2 x 0.8
68	10.7 x 0.8
69	12 x 0.8
70	16.4 x 0.8
71	23.4 x 0.8
72	29 x 0.8
73	31.2 x 0.8
74	9.55 x 0.9
75	2.01 x 0.97
76	0.5 x 1
77	0.6 x 1
78	1 x 1
79	1.2 x 1
80	1.5 x 1
81	1.7 x 1
82	1.8 x 1
83	2 x 1
84	2.2 x 1
85	2.5 x 1
86	2.6 x 1
87	3 x 1
88	3.5 x 1

Code	Size (ID x CS)
89	4 x 1
90	4.5 x 1
91	5 x 1
92	5.2 x 1
93	5.5 x 1
94	6 x 1
95	6.5 x 1
96	7 x 1
97	7.5 x 1
98	8 x 1
99	8.5 x 1
100	8.9 x 1
101	9 x 1
102	9.5 x 1
103	10 x 1
104	10.5 x 1
105	11 x 1
106	11.3 x 1
107	11.5 x 1
108	12 x 1
109	12.5 x 1
110	13 x 1
111	13.5 x 1
112	14 x 1
113	14.5 x 1
114	15 x 1
115	15.5 x 1
116	16 x 1
117	16.5 x 1
118	17 x 1
119	17.5 x 1
120	18 x 1
121	18.5 x 1
122	19 x 1
123	19.5 x 1
124	20 x 1
125	21 x 1
126	21.5 x 1
127	22 x 1
128	22.5 x 1
129	23 x 1
130	24 x 1
131	24.5 x 1
132	25 x 1

Code	Size (ID x CS)
133	25.5 x 1
134	26 x 1
135	26.6 x 1
136	27 x 1
137	28 x 1
138	29 x 1
139	30 x 1
140	31 x 1
141	31.5 x 1
142	32 x 1
143	33 x 1
144	34 x 1
145	35 x 1
146	36 x 1
147	37 x 1
148	38 x 1
149	38.5 x 1
150	39 x 1
151	39.5 x 1
152	40 x 1
153	41 x 1
154	42 x 1
155	43 x 1
156	44 x 1
157	45 x 1
158	46 x 1
159	47 x 1
160	48 x 1
161	49 x 1
162	50 x 1
163	51 x 1
164	52 x 1
165	53 x 1
166	54 x 1
167	55 x 1
168	56 x 1
169	57 x 1
170	58 x 1
171	59 x 1
172	60 x 1
173	61 x 1
174	62 x 1
175	63 x 1
176	64 x 1



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
177	65 × 1	221	8.5 × 1.2	265	17.4 × 1.3	309	9.5 × 1.5
178	66 × 1	222	9 × 1.2	266	24 × 1.3	310	10 × 1.5
179	67 × 1	223	9.5 × 1.2	267	29.4 × 1.3	311	10.5 × 1.5
180	68 × 1	224	10 × 1.2	268	36.4 × 1.3	312	10.7 × 1.5
181	69 × 1	225	11 × 1.2	269	37.4 × 1.3	313	11 × 1.5
182	70 × 1	226	12 × 1.2	270	1.2 × 1.4	314	11.5 × 1.5
183	71 × 1	227	13 × 1.2	271	2.17 × 1.4	315	12 × 1.5
184	72 × 1	228	14.8 × 1.2	272	2.5 × 1.4	316	12.5 × 1.5
185	73 × 1	229	15.8 × 1.2	273	3.2 × 1.4	317	13 × 1.5
186	74 × 1	230	16.5 × 1.2	274	3.66 × 1.4	318	13.5 × 1.5
187	75 × 1	231	17 × 1.2	275	4.2 × 1.4	319	14 × 1.5
188	80 × 1	232	17.8 × 1.2	276	6 × 1.4	320	14.5 × 1.5
189	82 × 1	233	19 × 1.2	277	8 × 1.4	321	15 × 1.5
190	90 × 1	234	23.8 × 1.2	278	9 × 1.4	322	15.5 × 1.5
191	95 × 1	235	26 × 1.2	279	9.7 × 1.4	323	16 × 1.5
192	100 × 1	236	26.2 × 1.2	280	15 × 1.4	324	16.5 × 1.5
193	0.74 × 1.02	237	43.5 × 1.2	281	23.2 × 1.4	325	17 × 1.5
194	1.78 × 1.02	238	54 × 1.2	282	60 × 1.4	326	17.5 × 1.5
195	5.8 × 1.05	239	56 × 1.2	283	67 × 1.4	327	18 × 1.5
196	6.2 × 1.05	240	3.86 × 1.24	284	70 × 1.4	328	18.5 × 1.5
197	2.79 × 1.09	241	12.9 × 1.24	285	71.4 × 1.4	329	19 × 1.5
198	3.8 × 1.1	242	6.25 × 1.25	286	4.7 × 1.42	330	19.5 × 1.5
199	6.8 × 1.1	243	10.75 × 1.25	287	15.49 × 1.47	331	20 × 1.5
200	8.6 × 1.1	244	16 × 1.25	288	1 × 1.5	332	20.5 × 1.5
201	77.16 × 1.12	245	1.07 × 1.27	289	1.5 × 1.5	333	21 × 1.5
202	10.29 × 1.14	246	8.38 × 1.27	290	2 × 1.5	334	21.5 × 1.5
203	2.29 × 1.19	247	28.55 × 1.27	291	2.3 × 1.5	335	22 × 1.5
204	2.1 × 1.2	248	29.82 × 1.27	292	2.5 × 1.5	336	22.5 × 1.5
205	2.5 × 1.2	249	33.43 × 1.27	293	2.6 × 1.5	337	23 × 1.5
206	2.6 × 1.2	250	34.67 × 1.27	294	3 × 1.5	338	23.5 × 1.5
207	2.8 × 1.2	251	185.19 × 1.27	295	3.5 × 1.5	339	24 × 1.5
208	3.3 × 1.2	252	1.5 × 1.3	296	4 × 1.5	340	24.5 × 1.5
209	3.4 × 1.2	253	2.6 × 1.3	297	4.5 × 1.5	341	25 × 1.5
210	3.5 × 1.2	254	3.7 × 1.3	298	5 × 1.5	342	26 × 1.5
211	4 × 1.2	255	4.7 × 1.3	299	5.3 × 1.5	343	26.5 × 1.5
212	4.2 × 1.2	256	5.4 × 1.3	300	5.5 × 1.5	344	27 × 1.5
213	4.5 × 1.2	257	7.3 × 1.3	301	6 × 1.5	345	27.5 × 1.5
214	4.8 × 1.2	258	8 × 1.3	302	6.5 × 1.5	346	28 × 1.5
215	5 × 1.2	259	9.4 × 1.3	303	7 × 1.5	347	29 × 1.5
216	6 × 1.2	260	10.4 × 1.3	304	7.5 × 1.5	348	30 × 1.5
217	6.2 × 1.2	261	11 × 1.3	305	8 × 1.5	349	31 × 1.5
218	7 × 1.2	262	13.5 × 1.3	306	8.2 × 1.5	350	31.5 × 1.5
219	7.5 × 1.2	263	14.17 × 1.3	307	8.5 × 1.5	351	32 × 1.5
220	8 × 1.2	264	15.2 × 1.3	308	9 × 1.5	352	33 × 1.5

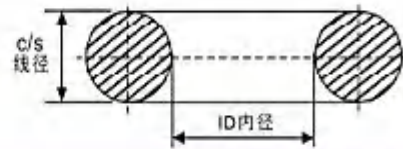


Code	Size (ID x CS)
353	33.5 × 1.5
354	34 × 1.5
355	35 × 1.5
356	36 × 1.5
357	36.5 × 1.5
358	37 × 1.5
359	38 × 1.5
360	39 × 1.5
361	39.5 × 1.5
362	40 × 1.5
363	41 × 1.5
364	42 × 1.5
365	43 × 1.5
366	44 × 1.5
367	45 × 1.5
368	46 × 1.5
369	47 × 1.5
370	47.5 × 1.5
371	48 × 1.5
372	49 × 1.5
373	50 × 1.5
374	51 × 1.5
375	52 × 1.5
376	53 × 1.5
377	54 × 1.5
378	55 × 1.5
379	56 × 1.5
380	57 × 1.5
381	58 × 1.5
382	59 × 1.5
383	60 × 1.5
384	61 × 1.5
385	62 × 1.5
386	63 × 1.5
387	64 × 1.5
388	65 × 1.5
389	66 × 1.5
390	67 × 1.5
391	68 × 1.5
392	69 × 1.5
393	70 × 1.5
394	71 × 1.5
395	71.5 × 1.5
396	72 × 1.5

Code	Size (ID x CS)
397	73 × 1.5
398	74 × 1.5
399	75 × 1.5
400	76 × 1.5
401	77 × 1.5
402	78 × 1.5
403	79 × 1.5
404	80 × 1.5
405	82 × 1.5
406	85 × 1.5
407	87 × 1.5
408	90 × 1.5
409	94 × 1.5
410	97 × 1.5
411	100 × 1.5
412	137 × 1.5
413	147 × 1.5
414	177 × 1.5
415	1.42 × 1.53
416	1.98 × 1.58
417	1.8 × 1.6
418	2.2 × 1.6
419	2.3 × 1.6
420	2.5 × 1.6
421	2.8 × 1.6
422	3.1 × 1.6
423	3.2 × 1.6
424	3.55 × 1.6
425	4 × 1.6
426	4.8 × 1.6
427	5.1 × 1.6
428	5.5 × 1.6
429	5.8 × 1.6
430	6.3 × 1.6
431	6.8 × 1.6
432	7 × 1.6
433	7.1 × 1.6
434	7.6 × 1.6
435	8 × 1.6
436	8.1 × 1.6
437	9 × 1.6
438	9.5 × 1.6
439	10.1 × 1.6
440	11.1 × 1.6

Code	Size (ID x CS)
441	11.9 × 1.6
442	12 × 1.6
443	13.2 × 1.6
444	13.48 × 1.6
445	14.1 × 1.6
446	15.1 × 1.6
447	17.1 × 1.6
448	19 × 1.6
449	21.1 × 1.6
450	25 × 1.6
451	27.1 × 1.6
452	28.6 × 1.6
453	29.1 × 1.6
454	32.1 × 1.6
455	37.1 × 1.6
456	54 × 1.6
457	6.07 × 1.63
458	7.65 × 1.63
459	97.79 × 1.63
460	16 × 1.65
461	65.47 × 1.67
462	3.2 × 1.7
463	5.1 × 1.7
464	9 × 1.7
465	26 × 1.7
466	32 × 1.7
467	160 × 1.7
468	1.78 × 1.78
469	2.57 × 1.78
470	2.90 × 1.78
471	3.69 × 1.78
472	3.94 × 1.78
473	4.47 × 1.78
474	4.76 × 1.78
475	4.87 × 1.78
476	5.28 × 1.78
477	6.07 × 1.78
478	7.65 × 1.78
479	7.80 × 1.78
480	7.95 × 1.78
481	8.73 × 1.78
482	9.25 × 1.78
483	9.75 × 1.78
484	10.82 × 1.78

Code	Size (ID x CS)
485	11.11 × 1.78
486	11.30 × 1.78
487	11.80 × 1.78
488	11.91 × 1.78
489	12.42 × 1.78
490	14.00 × 1.78
491	15.00 × 1.78
492	15.60 × 1.78
493	16.67 × 1.78
494	17.17 × 1.78
495	17.70 × 1.78
496	18.77 × 1.78
497	20.35 × 1.78
498	21.95 × 1.78
499	23.52 × 1.78
500	25.12 × 1.78
501	26.70 × 1.78
502	28.30 × 1.78
503	29.87 × 1.78
504	31.47 × 1.78
505	33.05 × 1.78
506	34.65 × 1.78
507	26.27 × 1.78
508	37.82 × 1.78
509	41.00 × 1.78
510	44.17 × 1.78
511	46.02 × 1.78
512	47.35 × 1.78
513	47.50 × 1.78
514	50.52 × 1.78
515	53.70 × 1.78
516	56.87 × 1.78
517	60.05 × 1.78
518	63.22 × 1.78
519	66.40 × 1.78
520	69.57 × 1.78
521	72.75 × 1.78
522	75.92 × 1.78
523	79.00 × 1.78
524	82.00 × 1.78
525	82.27 × 1.78
526	85.34 × 1.78
527	88.62 × 1.78
528	90.00 × 1.78

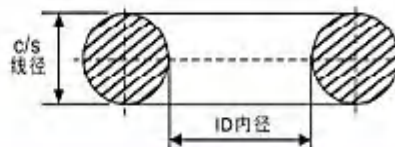


Code	Size (ID x CS)
529	91.70 × 1.78
530	94.97 × 1.78
531	98.08 × 1.78
532	101.32 × 1.78
533	104.40 × 1.78
534	107.67 × 1.78
535	110.74 × 1.78
536	114.02 × 1.78
537	117.10 × 1.78
538	120.37 × 1.78
539	126.72 × 1.78
540	129.40 × 1.78
541	133.07 × 1.78
542	135.76 × 1.78
543	138.94 × 1.78
544	142.11 × 1.78
545	145.29 × 1.78
546	148.46 × 1.78
547	151.64 × 1.78
548	154.81 × 1.78
549	158.00 × 1.78
550	161.20 × 1.78
551	164.34 × 1.78
552	167.51 × 1.78
553	170.69 × 1.78
554	185.19 × 1.78
555	190.22 × 1.78
556	1.8 × 1.8
557	2 × 1.8
558	2.24 × 1.8
559	2.5 × 1.8
560	2.8 × 1.8
561	2.9 × 1.8
562	3 × 1.8
563	3.15 × 1.8
564	3.3 × 1.8
565	3.5 × 1.8
566	3.55 × 1.8
567	3.75 × 1.8
568	4 × 1.8
569	4.2 × 1.8
570	4.3 × 1.8
571	4.5 × 1.8
572	4.75 × 1.8

Code	Size (ID x CS)
573	4.87 × 1.8
574	5 × 1.8
575	5.1 × 1.8
576	5.15 × 1.8
577	5.3 × 1.8
578	5.5 × 1.8
579	5.6 × 1.8
580	5.8 × 1.8
581	6 × 1.8
582	6.3 × 1.8
583	6.4 × 1.8
584	6.7 × 1.8
585	6.8 × 1.8
586	6.9 × 1.8
587	7 × 1.8
588	7.1 × 1.8
589	7.2 × 1.8
590	7.5 × 1.8
591	7.9 × 1.8
592	8 × 1.8
593	8.2 × 1.8
594	8.3 × 1.8
595	8.5 × 1.8
596	8.75 × 1.8
597	9 × 1.8
598	9.5 × 1.8
599	9.6 × 1.8
600	9.75 × 1.8
601	10 × 1.8
602	10.3 × 1.8
603	10.5 × 1.8
604	10.6 × 1.8
605	10.8 × 1.8
606	11 × 1.8
607	11.2 × 1.8
608	11.3 × 1.8
609	11.5 × 1.8
610	11.6 × 1.8
611	11.8 × 1.8
612	12 × 1.8
613	12.1 × 1.8
614	12.5 × 1.8
615	12.8 × 1.8
616	13 × 1.8

Code	Size (ID x CS)
617	13.2 × 1.8
618	13.5 × 1.8
619	14 × 1.8
620	14.8 × 1.8
621	15 × 1.8
622	15.4 × 1.8
623	15.6 × 1.8
624	16 × 1.8
625	16.5 × 1.8
626	17 × 1.8
627	17.5 × 1.8
628	18 × 1.8
629	19 × 1.8
630	19.5 × 1.8
631	19.9 × 1.8
632	20 × 1.8
633	21 × 1.8
634	21.2 × 1.8
635	21.7 × 1.8
636	22 × 1.8
637	22.4 × 1.8
638	23 × 1.8
639	23.2 × 1.8
640	23.6 × 1.8
641	24 × 1.8
642	24.6 × 1.8
643	25 × 1.8
644	25.6 × 1.8
645	25.8 × 1.8
646	26 × 1.8
647	26.5 × 1.8
648	27 × 1.8
649	28 × 1.8
650	29 × 1.8
651	29.3 × 1.8
652	30 × 1.8
653	31 × 1.8
654	31.5 × 1.8
655	32 × 1.8
656	32.5 × 1.8
657	33 × 1.8
658	33.5 × 1.8
659	34 × 1.8
660	34.5 × 1.8

Code	Size (ID x CS)
661	35 × 1.8
662	35.5 × 1.8
663	36 × 1.8
664	36.5 × 1.8
665	37 × 1.8
666	37.5 × 1.8
667	38 × 1.8
668	38.5 × 1.8
669	38.7 × 1.8
670	39 × 1.8
671	40 × 1.8
672	40.4 × 1.8
673	41 × 1.8
674	41.2 × 1.8
675	42 × 1.8
676	42.3 × 1.8
677	42.5 × 1.8
678	43 × 1.8
679	43.5 × 1.8
680	43.7 × 1.8
681	44 × 1.8
682	45 × 1.8
683	46 × 1.8
684	46.2 × 1.8
685	47 × 1.8
686	47.5 × 1.8
687	48 × 1.8
688	48.7 × 1.8
689	49 × 1.8
690	50 × 1.8
691	51 × 1.8
692	51.5 × 1.8
693	52 × 1.8
694	53 × 1.8
695	54 × 1.8
696	54.5 × 1.8
697	55 × 1.8
698	56 × 1.8
699	57 × 1.8
700	58 × 1.8
701	58.8 × 1.8
702	59 × 1.8
703	60 × 1.8
704	61 × 1.8

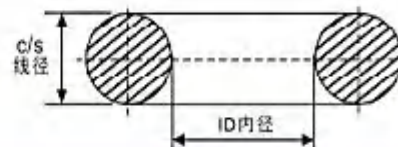


Code	Size (ID x CS)
705	61.5 × 1.8
706	62 × 1.8
707	63 × 1.8
708	64 × 1.8
709	65 × 1.8
710	66 × 1.8
711	67 × 1.8
712	68 × 1.8
713	69 × 1.8
714	70 × 1.8
715	70.5 × 1.8
716	71 × 1.8
717	72 × 1.8
718	73 × 1.8
719	74 × 1.8
720	75 × 1.8
721	76 × 1.8
722	77 × 1.8
723	77.5 × 1.8
724	80 × 1.8
725	85 × 1.8
726	86 × 1.8
727	87.5 × 1.8
728	90 × 1.8
729	93.5 × 1.8
730	95 × 1.8
731	98.4 × 1.8
732	100 × 1.8
733	106 × 1.8
734	109 × 1.8
735	112 × 1.8
736	117 × 1.8
737	118 × 1.8
738	120 × 1.8
739	129 × 1.8
740	188 × 1.8
741	8.92 × 1.83
742	10.52 × 1.83
743	0.2 × 1.9
744	1.2 × 1.9
745	2 × 1.9
746	2.2 × 1.9
747	2.4 × 1.9
748	2.5 × 1.9

Code	Size (ID x CS)
749	2.6 × 1.9
750	2.7 × 1.9
751	2.8 × 1.9
752	2.9 × 1.9
753	3 × 1.9
754	3.2 × 1.9
755	3.4 × 1.9
756	3.5 × 1.9
757	3.7 × 1.9
758	3.8 × 1.9
759	3.9 × 1.9
760	4 × 1.9
761	4.2 × 1.9
762	4.5 × 1.9
763	4.7 × 1.9
764	4.8 × 1.9
765	4.9 × 1.9
766	5 × 1.9
767	5.2 × 1.9
768	5.7 × 1.9
769	5.8 × 1.9
770	6 × 1.9
771	6.2 × 1.9
772	6.4 × 1.9
773	6.7 × 1.9
774	6.8 × 1.9
775	7 × 1.9
776	7.2 × 1.9
777	7.8 × 1.9
778	8 × 1.9
779	8.2 × 1.9
780	8.5 × 1.9
781	8.8 × 1.9
782	8.9 × 1.9
783	9 × 1.9
784	9.2 × 1.9
785	9.8 × 1.9
786	10 × 1.9
787	10.2 × 1.9
788	105 × 1.9
789	10.8 × 1.9
790	11 × 1.9
791	11.2 × 1.9
792	11.5 × 1.9

Code	Size (ID x CS)
793	12 × 1.9
794	12.2 × 1.9
795	12.5 × 1.9
796	13 × 1.9
797	13.2 × 1.9
798	13.8 × 1.9
799	14 × 1.9
800	14.2 × 1.9
801	14.8 × 1.9
802	15 × 1.9
803	15.2 × 1.9
804	15.8 × 1.9
805	16 × 1.9
806	16.2 × 1.9
807	16.7 × 1.9
808	16.8 × 1.9
809	17 × 1.9
810	17.2 × 1.9
811	17.8 × 1.9
812	18 × 1.9
813	18.2 × 1.9
814	18.8 × 1.9
815	19 × 1.9
816	19.2 × 1.9
817	19.8 × 1.9
818	20 × 1.9
819	20.2 × 1.9
820	21.2 × 1.9
821	22.2 × 1.9
822	23.2 × 1.9
823	24.2 × 1.9
824	24.7 × 1.9
825	25.2 × 1.9
826	26.2 × 1.9
827	27.2 × 1.9
828	27.7 × 1.9
829	28 × 1.9
830	28.2 × 1.9
831	29.2 × 1.9
832	29.7 × 1.9
833	30.2 × 1.9
834	31.2 × 1.9
835	32.2 × 1.9
836	33.2 × 1.9

Code	Size (ID x CS)
837	34.2 × 1.9
838	35.2 × 1.9
839	36.2 × 1.9
840	37.2 × 1.9
841	38.2 × 1.9
842	39.2 × 1.9
843	39.5 × 1.9
844	40 × 1.9
845	40.2 × 1.9
846	41.2 × 1.9
847	42.2 × 1.9
848	44.2 × 1.9
849	46.2 × 1.9
850	48.2 × 1.9
851	51 × 1.9
852	54.3 × 1.9
853	56.2 × 1.9
854	59.2 × 1.9
855	61.2 × 1.9
856	72.6 × 1.9
857	75 × 1.9
858	84 × 1.9
859	91.2 × 1.9
860	95.7 × 1.9
861	96.2 × 1.9
862	96.3 × 1.9
863	102.2 × 1.9
864	110 × 1.9
865	120 × 1.9
866	11.89 × 1.98
867	1 × 2
868	1.2 × 2
869	1.5 × 2
870	2 × 2
871	2.1 × 2
872	2.5 × 2
873	3 × 2
874	3.5 × 2
875	3.7 × 2
876	4 × 2
877	4.4 × 2
878	4.5 × 2
879	4.6 × 2
880	5 × 2

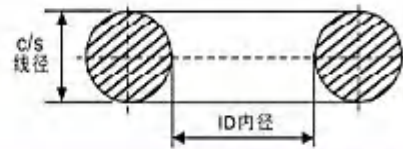


Code	Size (ID x CS)
881	5.2 x 2
882	5.5 x 2
883	6 x 2
884	6.5 x 2
885	6.8 x 2
886	7 x 2
887	7.5 x 2
888	8 x 2
889	8.5 x 2
890	8.8 x 2
891	9 x 2
892	9.3 x 2
893	9.5 x 2
894	10 x 2
895	10.5 x 2
896	11 x 2
897	11.2 x 2
898	11.5 x 2
899	11.8 x 2
900	12 x 2
901	12.5 x 2
902	13 x 2
903	13.2 x 2
904	13.5 x 2
905	13.8 x 2
906	13.9 x 2
907	14 x 2
908	14.2 x 2
909	14.5 x 2
910	15 x 2
911	15.5 x 2
912	16 x 2
913	16.5 x 2
914	17 x 2
915	17.17 x 2
916	17.5 x 2
917	18 x 2
918	18.5 x 2
919	19 x 2
920	19.5 x 2
921	20 x 2
922	20.5 x 2
923	21 x 2
924	21.5 x 2

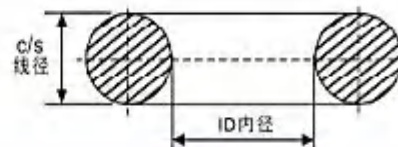
Code	Size (ID x CS)
925	21.9 x 2
926	22 x 2
927	22.5 x 2
928	23 x 2
929	23.5 x 2
930	24 x 2
931	24.5 x 2
932	25 x 2
933	25.5 x 2
934	26 x 2
935	26.5 x 2
936	27 x 2
937	27.5 x 2
938	28 x 2
939	28.3 x 2
940	28.5 x 2
941	29 x 2
942	29.5 x 2
943	30 x 2
944	30.5 x 2
945	31 x 2
946	31.5 x 2
947	32 x 2
948	32.5 x 2
949	33 x 2
950	33.5 x 2
951	34 x 2
952	34.5 x 2
953	35 x 2
954	35.5 x 2
955	36 x 2
956	36.5 x 2
957	37 x 2
958	37.5 x 2
959	38 x 2
960	38.5 x 2
961	39 x 2
962	39.5 x 2
963	40 x 2
964	40.5 x 2
965	41 x 2
966	41.5 x 2
967	42 x 2
968	42.5 x 2

Code	Size (ID x CS)
969	43 x 2
970	43.5 x 2
971	44 x 2
972	44.5 x 2
973	45 x 2
974	45.5 x 2
975	46 x 2
976	46.5 x 2
977	47 x 2
978	47.5 x 2
979	47.8 x 2
980	48 x 2
981	48.5 x 2
982	48.7 x 2
983	49 x 2
984	49.5 x 2
985	50 x 2
986	50.5 x 2
987	51 x 2
988	51.5 x 2
989	52 x 2
990	52.5 x 2
991	53 x 2
992	53.5 x 2
993	54 x 2
994	54.5 x 2
995	55 x 2
996	55.5 x 2
997	56 x 2
998	56.5 x 2
999	57 x 2
1000	57.5 x 2
1001	58 x 2
1002	58.5 x 2
1003	59 x 2
1004	59.5 x 2
1005	60 x 2
1006	60.5 x 2
1007	61 x 2
1008	61.5 x 2
1009	62 x 2
1010	62.5 x 2
1011	63 x 2
1012	63.5 x 2

Code	Size (ID x CS)
1013	64 x 2
1014	64.5 x 2
1015	65 x 2
1016	65.5 x 2
1017	66 x 2
1018	66.5 x 2
1019	67 x 2
1020	67.5 x 2
1021	68 x 2
1022	68.5 x 2
1023	69 x 2
1024	69.5 x 2
1025	70 x 2
1026	70.5 x 2
1027	71 x 2
1028	72 x 2
1029	73 x 2
1030	74 x 2
1031	74.5 x 2
1032	75 x 2
1033	76 x 2
1034	77 x 2
1035	78 x 2
1036	79 x 2
1037	79.5 x 2
1038	80 x 2
1039	81 x 2
1040	82 x 2
1041	83 x 2
1042	84 x 2
1043	84.5 x 2
1044	85 x 2
1045	86 x 2
1046	87 x 2
1047	88 x 2
1048	89 x 2
1049	89.5 x 2
1050	90 x 2
1051	91 x 2
1052	92 x 2
1053	93 x 2
1054	94 x 2
1055	94.5 x 2
1056	95 x 2



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
1057	96 × 2	1101	145 × 2	1145	229.5 × 2	1189	50.7 × 2.2
1058	97 × 2	1102	146 × 2	1146	230 × 2	1190	16.36 × 2.21
1059	98 × 2	1103	149 × 2	1147	234.5 × 2	1191	67.8 × 2.23
1060	99 × 2	1104	149.5 × 2	1148	239.5 × 2	1192	5 × 2.25
1061	99.5 × 2	1105	150 × 2	1149	240 × 2	1193	3.4 × 2.3
1062	100 × 2	1106	152 × 2	1150	244.5 × 2	1194	5 × 2.3
1063	101 × 2	1107	154.5 × 2	1151	249.5 × 2	1195	5.4 × 2.3
1064	102 × 2	1108	155 × 2	1152	250 × 2	1196	7.4 × 2.3
1065	103 × 2	1109	156 × 2	1153	254.5 × 2	1197	8.9 × 2.3
1066	104 × 2	1110	158 × 2	1154	259.5 × 2	1198	10.9 × 2.3
1067	104.5 × 2	1111	159.5 × 2	1155	260 × 2	1199	11.4 × 2.3
1068	105 × 2	1112	160 × 2	1156	264.5 × 2	1200	12.9 × 2.3
1069	106 × 2	1113	164.5 × 2	1157	269.5 × 2	1201	14.9 × 2.3
1070	107 × 2	1114	165 × 2	1158	270 × 2	1202	46.48 × 2.39
1071	108 × 2	1115	169.5 × 2	1159	274.5 × 2	1203	1.2 × 2.4
1072	109 × 2	1116	170 × 2	1160	279.5 × 2	1204	2.2 × 2.4
1073	109.5 × 2	1117	174.9 × 2	1161	280 × 2	1205	3.2 × 2.4
1074	110 × 2	1118	175 × 2	1162	284.5 × 2	1206	3.3 × 2.4
1075	111 × 2	1119	175.3 × 2	1163	289.5 × 2	1207	4.2 × 2.4
1076	111.5 × 2	1120	178 × 2	1164	290 × 2	1208	5 × 2.4
1077	112 × 2	1121	179.5 × 2	1165	294.5 × 2	1209	5.2 × 2.4
1078	113 × 2	1122	180 × 2	1166	299.5 × 2	1210	5.4 × 2.4
1079	114 × 2	1123	182 × 2	1167	300 × 2	1211	5.6 × 2.4
1080	114.5 × 2	1124	184.5 × 2	1168	17 × 2.06	1212	6 × 2.4
1081	115 × 2	1125	185 × 2	1169	13.46 × 2.08	1213	6.2 × 2.4
1082	116 × 2	1126	188 × 2	1170	3.8 × 2.1	1214	6.3 × 2.4
1083	117 × 2	1127	189.5 × 2	1171	9.5 × 2.1	1215	6.6 × 2.4
1084	118 × 2	1128	190 × 2	1172	20.8 × 2.1	1216	6.85 × 2.4
1085	119 × 2	1129	194 × 2	1173	275 × 2.1	1217	7 × 2.4
1086	119.5 × 2	1130	194.5 × 2	1174	19.5 × 2.15	1218	7.1 × 2.4
1087	120 × 2	1131	195 × 2	1175	117 × 2.15	1219	7.2 × 2.4
1088	124.5 × 2	1132	199.5 × 2	1176	8.6 × 2.2	1220	7.3 × 2.4
1089	125 × 2	1133	200 × 2	1177	9.3 × 2.2	1221	7.6 × 2.4
1090	128 × 2	1134	204.5 × 2	1178	10 × 2.2	1222	8 × 2.4
1091	129.5 × 2	1135	205 × 2	1179	13 × 2.2	1223	8.2 × 2.4
1092	130 × 2	1136	209.5 × 2	1180	13.3 × 2.2	1224	8.5 × 2.4
1093	131.5 × 2	1137	210 × 2	1181	14 × 2.2	1225	8.6 × 2.4
1094	132 × 2	1138	214.5 × 2	1182	16.2 × 2.2	1226	8.8 × 2.4
1095	134.5 × 2	1139	215 × 2	1183	16.5 × 2.2	1227	9 × 2.4
1096	135 × 2	1140	219.5 × 2	1184	19 × 2.2	1228	9.2 × 2.4
1097	139.5 × 2	1141	220 × 2	1185	19.3 × 2.2	1229	9.3 × 2.4
1098	140 × 2	1142	221.2 × 2	1186	24 × 2.2	1230	9.4 × 2.4
1099	143 × 2	1143	224.5 × 2	1187	28 × 2.2	1231	9.6 × 2.4
1100	144.5 × 2	1144	226 × 2	1188	36.5 × 2.2	1232	9.8 × 2.4

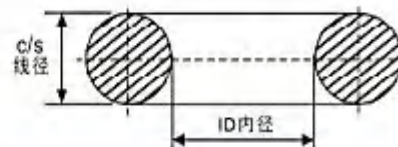


Code	Size (ID x CS)
1233	10 x 2.4
1234	10.2 x 2.4
1235	10.3 x 2.4
1236	10.6 x 2.4
1237	10.8 x 2.4
1238	11 x 2.4
1239	11.2 x 2.4
1240	11.5 x 2.4
1241	11.6 x 2.4
1242	11.8 x 2.4
1243	12 x 2.4
1244	12.2 x 2.4
1245	12.3 x 2.4
1246	12.6 x 2.4
1247	12.8 x 2.4
1248	13 x 2.4
1249	13.2 x 2.4
1250	13.3 x 2.4
1251	13.6 x 2.4
1252	13.8 x 2.4
1253	14 x 2.4
1254	14.2 x 2.4
1255	14.6 x 2.4
1256	14.8 x 2.4
1257	15 x 2.4
1258	15.2 x 2.4
1259	15.6 x 2.4
1260	15.8 x 2.4
1261	16 x 2.4
1262	16.2 x 2.4
1263	16.6 x 2.4
1264	16.8 x 2.4
1265	17 x 2.4
1266	17.2 x 2.4
1267	17.6 x 2.4
1268	17.8 x 2.4
1269	18 x 2.4
1270	18.2 x 2.4
1271	18.6 x 2.4
1272	18.8 x 2.4
1273	19 x 2.4
1274	19.2 x 2.4
1275	19.6 x 2.4
1276	19.8 x 2.4

Code	Size (ID x CS)
1277	20 x 2.4
1278	20.2 x 2.4
1279	20.4 x 2.4
1280	20.6 x 2.4
1281	20.8 x 2.4
1282	21 x 2.4
1283	21.2 x 2.4
1284	21.3 x 2.4
1285	21.6 x 2.4
1286	21.8 x 2.4
1287	22 x 2.4
1288	22.2 x 2.4
1289	22.3 x 2.4
1290	22.6 x 2.4
1291	23 x 2.4
1292	23.2 x 2.4
1293	23.5 x 2.4
1294	24 x 2.4
1295	24.2 x 2.4
1296	24.3 x 2.4
1297	24.5 x 2.4
1298	24.8 x 2.4
1299	25 x 2.4
1300	25.2 x 2.4
1301	25.6 x 2.4
1302	25.8 x 2.4
1303	26 x 2.4
1304	26.2 x 2.4
1305	26.5 x 2.4
1306	27 x 2.4
1307	27.2 x 2.4
1308	27.4 x 2.4
1309	27.8 x 2.4
1310	28 x 2.4
1311	28.2 x 2.4
1312	28.8 x 2.4
1313	29 x 2.4
1314	29.2 x 2.4
1315	29.6 x 2.4
1316	30 x 2.4
1317	30.2 x 2.4
1318	31 x 2.4
1319	31.2 x 2.4
1320	31.8 x 2.4

Code	Size (ID x CS)
1321	32 x 2.4
1322	32.2 x 2.4
1323	32.6 x 2.4
1324	33 x 2.4
1325	33.2 x 2.4
1326	34 x 2.4
1327	34.2 x 2.4
1328	34.3 x 2.4
1329	35 x 2.4
1330	35.2 x 2.4
1331	36.2 x 2.4
1332	36.6 x 2.4
1333	37.2 x 2.4
1334	38.2 x 2.4
1335	39.7 x 2.4
1336	40 x 2.4
1337	40.2 x 2.4
1338	42 x 2.4
1339	42.2 x 2.4
1340	43 x 2.4
1341	43.5 x 2.4
1342	44 x 2.4
1343	44.7 x 2.4
1344	45 x 2.4
1345	45.2 x 2.4
1346	45.6 x 2.4
1347	47 x 2.4
1348	47.2 x 2.4
1349	48 x 2.4
1350	49.2 x 2.4
1351	49.7 x 2.4
1352	50 x 2.4
1353	50.8 x 2.4
1354	52.6 x 2.4
1355	53.6 x 2.4
1356	55 x 2.4
1357	55.2 x 2.4
1358	55.6 x 2.4
1359	59.6 x 2.4
1360	60 x 2.4
1361	61.2 x 2.4
1362	61.6 x 2.4
1363	62.6 x 2.4
1364	64.6 x 2.4

Code	Size (ID x CS)
1365	65 x 2.4
1366	65.2 x 2.4
1367	66.6 x 2.4
1368	70 x 2.4
1369	70.6 x 2.4
1370	83.2 x 2.4
1371	214.7 x 2.4
1372	217.1 x 2.4
1373	260 x 2.4
1374	17.93 x 2.4
1375	19.18 x 2.4
1376	2 x 2.5
1377	2.5 x 2.5
1378	3 x 2.5
1379	3.5 x 2.5
1380	4 x 2.5
1381	4.5 x 2.5
1382	5 x 2.5
1383	5.5 x 2.5
1384	6 x 2.5
1385	6.5 x 2.5
1386	7 x 2.5
1387	7.3 x 2.5
1388	7.5 x 2.5
1389	8 x 2.5
1390	8.5 x 2.5
1391	9 x 2.5
1392	9.5 x 2.5
1393	10 x 2.5
1394	10.5 x 2.5
1395	11 x 2.5
1396	11.3 x 2.5
1397	11.5 x 2.5
1398	12 x 2.5
1399	12.5 x 2.5
1400	12.7 x 2.5
1401	13 x 2.5
1402	13.5 x 2.5
1403	13.8 x 2.5
1404	14 x 2.5
1405	14.5 x 2.5
1406	15 x 2.5
1407	15.2 x 2.5
1408	15.5 x 2.5

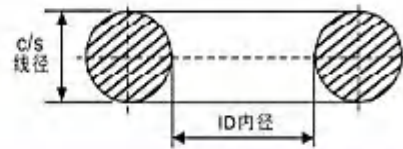


Code	Size (ID x CS)
1409	16 × 2.5
1410	16.5 × 2.5
1411	17 × 2.5
1412	17.5 × 2.5
1413	17.6 × 2.5
1414	18 × 2.5
1415	18.5 × 2.5
1416	19 × 2.5
1417	19.5 × 2.5
1418	20 × 2.5
1419	20.5 × 2.5
1420	21 × 2.5
1421	21.5 × 2.5
1422	22 × 2.5
1423	22.5 × 2.5
1424	22.7 × 2.5
1425	23 × 2.5
1426	23.5 × 2.5
1427	23.8 × 2.5
1428	24 × 2.5
1429	24.5 × 2.5
1430	25 × 2.5
1431	25.4 × 2.5
1432	25.5 × 2.5
1433	26 × 2.5
1434	26.5 × 2.5
1435	27 × 2.5
1436	27.7 × 2.5
1437	28 × 2.5
1438	28.6 × 2.5
1439	29 × 2.5
1440	29.6 × 2.5
1441	30 × 2.5
1442	30.8 × 2.5
1443	31 × 2.5
1444	32 × 2.5
1445	33 × 2.5
1446	34 × 2.5
1447	35 × 2.5
1448	36 × 2.5
1449	37 × 2.5
1450	38 × 2.5
1451	39 × 2.5
1452	40 × 2.5

Code	Size (ID x CS)
1453	40.3 × 2.5
1454	41 × 2.5
1455	42 × 2.5
1456	42.5 × 2.5
1457	43 × 2.5
1458	44 × 2.5
1459	44.5 × 2.5
1460	45 × 2.5
1461	46 × 2.5
1462	47 × 2.5
1463	48 × 2.5
1464	49 × 2.5
1465	50 × 2.5
1466	51 × 2.5
1467	52 × 2.5
1468	53 × 2.5
1469	54 × 2.5
1470	55 × 2.5
1471	56 × 2.5
1472	57 × 2.5
1473	58 × 2.5
1474	59 × 2.5
1475	60 × 2.5
1476	61 × 2.5
1477	62 × 2.5
1478	63 × 2.5
1479	64 × 2.5
1480	65 × 2.5
1481	66 × 2.5
1482	67 × 2.5
1483	68 × 2.5
1484	69 × 2.5
1485	70 × 2.5
1486	71 × 2.5
1487	72 × 2.5
1488	73 × 2.5
1489	74 × 2.5
1490	75 × 2.5
1491	76 × 2.5
1492	77 × 2.5
1493	78 × 2.5
1494	79 × 2.5
1495	80 × 2.5
1496	81 × 2.5

Code	Size (ID x CS)
1497	82 × 2.5
1498	83 × 2.5
1499	84 × 2.5
1500	85 × 2.5
1501	86 × 2.5
1502	87 × 2.5
1503	88 × 2.5
1504	89 × 2.5
1505	90 × 2.5
1506	91 × 2.5
1507	92 × 2.5
1508	93 × 2.5
1509	94 × 2.5
1510	95 × 2.5
1511	96 × 2.5
1512	97 × 2.5
1513	98 × 2.5
1514	99 × 2.5
1515	100 × 2.5
1516	101 × 2.5
1517	102 × 2.5
1518	104 × 2.5
1519	105 × 2.5
1520	110 × 2.5
1521	115 × 2.5
1522	120 × 2.5
1523	122 × 2.5
1524	123 × 2.5
1525	124 × 2.5
1526	125 × 2.5
1527	130 × 2.5
1528	135 × 2.5
1529	140 × 2.5
1530	145 × 2.5
1531	150 × 2.5
1532	155 × 2.5
1533	158 × 2.5
1534	160 × 2.5
1535	170 × 2.5
1536	180 × 2.5
1537	190 × 2.5
1538	195 × 2.5
1539	200 × 2.5
1540	210 × 2.5

Code	Size (ID x CS)
1541	215 × 2.5
1542	220 × 2.5
1543	230 × 2.5
1544	240 × 2.5
1545	250 × 2.5
1546	260 × 2.5
1547	270 × 2.5
1548	280 × 2.5
1549	290 × 2.5
1550	300 × 2.5
1551	296 × 2.5
1552	300 × 2.5
1553	18.8 × 2.54
1554	19.8 × 2.54
1555	29.1 × 2.55
1556	3.8 × 2.6
1557	24.5 × 2.6
1558	1.24 × 2.62
1559	2.06 × 2.62
1560	2.84 × 2.62
1561	3.63 × 2.62
1562	4.42 × 2.62
1563	5.23 × 2.62
1564	6.02 × 2.62
1565	6.80 × 2.62
1566	7.25 × 2.62
1567	7.59 × 2.62
1568	9.13 × 2.62
1569	9.19 × 2.62
1570	10.77 × 2.62
1571	11.35 × 2.62
1572	11.90 × 2.62
1573	12.37 × 2.62
1574	13.10 × 2.62
1575	13.94 × 2.62
1576	15.08 × 2.62
1577	15.54 × 2.62
1578	17.12 × 2.62
1579	17.86 × 2.62
1580	18.50 × 2.62
1581	18.72 × 2.62
1582	20.29 × 2.62
1583	20.63 × 2.62
1584	21.89 × 2.62

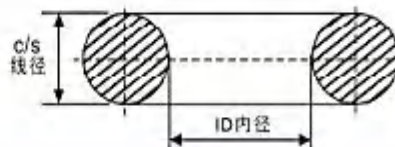


Code	Size (ID x CS)
1585	21.95 × 2.62
1586	22.22 × 2.62
1587	22.40 × 2.62
1588	22.50 × 2.62
1589	23.47 × 2.62
1590	24.99 × 2.62
1591	25.07 × 2.62
1592	25.80 × 2.62
1593	26.24 × 2.62
1594	26.64 × 2.62
1595	27.69 × 2.62
1596	28.24 × 2.62
1597	28.50 × 2.62
1598	29.82 × 2.62
1599	30.29 × 2.62
1600	31.42 × 2.62
1601	32.99 × 2.62
1602	34.59 × 2.62
1603	35.00 × 2.62
1604	36.17 × 2.62
1605	37.77 × 2.62
1606	39.34 × 2.62
1607	40.94 × 2.62
1608	42.00 × 2.62
1609	42.52 × 2.62
1610	44.12 × 2.62
1611	45.69 × 2.62
1612	47.29 × 2.62
1613	48.90 × 2.62
1614	50.47 × 2.62
1615	52.07 × 2.62
1616	53.64 × 2.62
1617	55.25 × 2.62
1618	56.82 × 2.62
1619	58.42 × 2.62
1620	58.62 × 2.62
1621	59.99 × 2.62
1622	61.60 × 2.62
1623	63.17 × 2.62
1624	64.77 × 2.62
1625	66.34 × 2.62
1626	67.95 × 2.62
1627	69.52 × 2.62
1628	71.12 × 2.62

Code	Size (ID x CS)
1629	72.69 × 2.62
1630	75.87 × 2.62
1631	78.50 × 2.62
1632	82.00 × 2.62
1633	82.22 × 2.62
1634	84.52 × 2.62
1635	88.57 × 2.62
1636	93.38 × 2.62
1637	94.92 × 2.62
1638	99.00 × 2.62
1639	99.50 × 2.62
1640	101.00 × 2.62
1641	101.27 × 2.62
1642	104.50 × 2.62
1643	105.00 × 2.62
1644	107.62 × 2.62
1645	110.00 × 2.62
1646	111.00 × 2.62
1647	113.97 × 2.62
1648	120.32 × 2.62
1649	126.67 × 2.62
1650	133.00 × 2.62
1651	133.02 × 2.62
1652	136.00 × 2.62
1653	139.37 × 2.62
1654	145.64 × 2.62
1655	145.72 × 2.62
1656	152.00 × 2.62
1657	152.07 × 2.62
1658	155.00 × 2.62
1659	158.42 × 2.62
1660	164.77 × 2.62
1661	171.12 × 2.62
1662	171.47 × 2.62
1663	177.47 × 2.62
1664	183.82 × 2.62
1665	190.17 × 2.62
1666	192.24 × 2.62
1667	196.50 × 2.62
1668	196.52 × 2.62
1669	202.87 × 2.62
1670	207.67 × 2.62
1671	209.22 × 2.62
1672	215.57 × 2.62

Code	Size (ID x CS)
1673	221.92 × 2.62
1674	221.94 × 2.62
1675	228.27 × 2.62
1676	234.6 × 2.62
1677	234.62 × 2.62
1678	240.97 × 2.62
1679	241.00 × 2.62
1680	247.32 × 2.62
1681	253.67 × 2.62
1682	4.7 × 2.65
1683	5.0 × 2.65
1684	5.6 × 2.65
1685	6.1 × 2.65
1686	7.1 × 2.65
1687	7.5 × 2.65
1688	7.6 × 2.65
1689	8.0 × 2.65
1690	8.5 × 2.65
1691	8.75 × 2.65
1692	9.0 × 2.65
1693	9.5 × 2.65
1694	10.0 × 2.65
1695	10.6 × 2.65
1696	11.0 × 2.65
1697	11.2 × 2.65
1698	11.5 × 2.65
1699	11.8 × 2.65
1700	12.0 × 2.65
1701	12.5 × 2.65
1702	13.2 × 2.65
1703	13.5 × 2.65
1704	14.0 × 2.65
1705	14.5 × 2.65
1706	15.0 × 2.65
1707	15.2 × 2.65
1708	15.5 × 2.65
1709	16.0 × 2.65
1710	16.5 × 2.65
1711	17.0 × 2.65
1712	17.5 × 2.65
1713	18.0 × 2.65
1714	18.3 × 2.65
1715	19.0 × 2.65
1716	20.0 × 2.65

Code	Size (ID x CS)
1717	20.6 × 2.65
1718	21.2 × 2.65
1719	21.5 × 2.65
1720	22.4 × 2.65
1721	23.6 × 2.65
1722	24.0 × 2.65
1723	24.3 × 2.65
1724	25.0 × 2.65
1725	25.5 × 2.65
1726	25.8 × 2.65
1727	26.5 × 2.65
1728	27.0 × 2.65
1729	27.3 × 2.65
1730	28.0 × 2.65
1731	29.7 × 2.65
1732	30.0 × 2.65
1733	31.5 × 2.65
1734	32.5 × 2.65
1735	33.5 × 2.65
1736	34.0 × 2.65
1737	34.5 × 2.65
1738	35.0 × 2.65
1739	35.5 × 2.65
1740	36.0 × 2.65
1741	36.5 × 2.65
1742	37.5 × 2.65
1743	38.0 × 2.65
1744	38.5 × 2.65
1745	38.7 × 2.65
1746	40.0 × 2.65
1747	41.2 × 2.65
1748	41.7 × 2.65
1749	42.3 × 2.65
1750	42.5 × 2.65
1751	43.7 × 2.65
1752	45.0 × 2.65
1753	46.2 × 2.65
1754	47.5 × 2.65
1755	48.7 × 2.65
1756	50.0 × 2.65
1757	51.5 × 2.65
1758	52.2 × 2.65
1759	53.0 × 2.65
1760	53.4 × 2.65

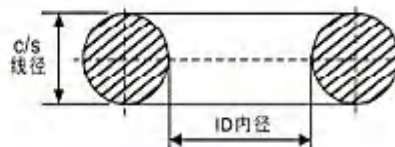


Code	Size (ID x CS)
1761	54.5 × 2.65
1762	56.0 × 2.65
1763	56.56 × 2.65
1764	58.0 × 2.65
1765	60.0 × 2.65
1766	61.5 × 2.65
1767	62.0 × 2.65
1768	62.5 × 2.65
1769	63.0 × 2.65
1770	64.0 × 2.65
1771	65.0 × 2.65
1772	67.0 × 2.65
1773	69.0 × 2.65
1774	70.0 × 2.65
1775	71.0 × 2.65
1776	72.0 × 2.65
1777	73.0 × 2.65
1778	74.0 × 2.65
1779	75.0 × 2.65
1780	77.5 × 2.65
1781	80.0 × 2.65
1782	80.4 × 2.65
1783	82.22 × 2.65
1784	82.5 × 2.65
1785	85.0 × 2.65
1786	87.5 × 2.65
1787	90.0 × 2.65
1788	92.0 × 2.65
1789	92.5 × 2.65
1790	95.0 × 2.65
1791	97.5 × 2.65
1792	99.0 × 2.65
1793	100 × 2.65
1794	103 × 2.65
1795	106 × 2.65
1796	109 × 2.65
1797	112 × 2.65
1798	115 × 2.65
1799	118 × 2.65
1800	120 × 2.65
1801	122 × 2.65
1802	125 × 2.65
1803	128 × 2.65
1804	132 × 2.65

Code	Size (ID x CS)
1805	136 × 2.65
1806	140 × 2.65
1807	144 × 2.65
1808	145 × 2.65
1809	150 × 2.65
1810	155 × 2.65
1811	160 × 2.65
1812	164 × 2.65
1813	170 × 2.65
1814	175 × 2.65
1815	180 × 2.65
1816	190 × 2.65
1817	195 × 2.65
1818	200 × 2.65
1819	205 × 2.65
1820	212 × 2.65
1821	220 × 2.65
1822	223 × 2.65
1823	230 × 2.65
1824	234 × 2.65
1825	250 × 2.65
1826	258 × 2.65
1827	270 × 2.65
1828	296 × 2.65
1829	300 × 2.65
1830	8.9 × 2.7
1831	10.5 × 2.7
1832	11 × 2.7
1833	12.1 × 2.7
1834	13.6 × 2.7
1835	15.1 × 2.7
1836	16.9 × 2.7
1837	18.4 × 2.7
1838	9 × 2.75
1839	13 × 2.75
1840	15.8 × 2.75
1841	0.7 × 2.8
1842	11.5 × 2.8
1843	14 × 2.8
1844	15 × 2.8
1845	17 × 2.8
1846	23.2 × 2.8
1847	54.2 × 2.8
1848	63.4 × 2.85

Code	Size (ID x CS)
1849	21.92 × 2.95
1850	23.47 × 2.95
1851	25.04 × 2.95
1852	26.59 × 2.95
1853	26.62 × 2.95
1854	29.74 × 2.95
1855	34.32 × 2.95
1856	34.42 × 2.95
1857	2 × 3
1858	3 × 3
1859	4 × 3
1860	5 × 3
1861	5.5 × 3
1862	5.6 × 3
1863	6 × 3
1864	6.2 × 3
1865	6.5 × 3
1866	6.7 × 3
1867	7 × 3
1868	8 × 3
1869	9 × 3
1870	9.2 × 3
1871	10 × 3
1872	10.8 × 3
1873	11 × 3
1874	11.5 × 3
1875	12 × 3
1876	13 × 3
1877	14 × 3
1878	14.5 × 3
1879	14.8 × 3
1880	15 × 3
1881	15.5 × 3
1882	16 × 3
1883	16.5 × 3
1884	17 × 3
1885	18 × 3
1886	19 × 3
1887	19.2 × 3
1888	20 × 3
1889	21 × 3
1890	21.2 × 3
1891	21.7 × 3
1892	22 × 3

Code	Size (ID x CS)
1893	22.4 × 3
1894	23 × 3
1895	24 × 3
1896	25 × 3
1897	25.4 × 3
1898	26 × 3
1899	26.3 × 3
1900	26.6 × 3
1901	27 × 3
1902	27.7 × 3
1903	28 × 3
1904	28.2 × 3
1905	29 × 3
1906	29.2 × 3
1907	30 × 3
1908	31 × 3
1909	32 × 3
1910	33 × 3
1911	33.5 × 3
1912	34 × 3
1913	34.5 × 3
1914	35 × 3
1915	35.3 × 3
1916	36 × 3
1917	37 × 3
1918	37.47 × 3
1919	37.5 × 3
1920	38 × 3
1921	39 × 3
1922	39.5 × 3
1923	40 × 3
1924	41 × 3
1925	42 × 3
1926	43 × 3
1927	43.5 × 3
1928	43.69 × 3
1929	44 × 3
1930	44.2 × 3
1931	45 × 3
1932	46 × 3
1933	47 × 3
1934	48 × 3
1935	48.5 × 3
1936	49 × 3

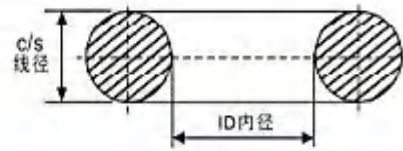


Code	Size (ID x CS)
1937	50 x 3
1938	51 x 3
1939	52 x 3
1940	53 x 3
1941	53.09 x 3
1942	54 x 3
1943	55 x 3
1944	56 x 3
1945	57 x 3
1946	58 x 3
1947	59 x 3
1948	59.36 x 3
1949	60 x 3
1950	61 x 3
1951	62 x 3
1952	63 x 3
1953	64 x 3
1954	65 x 3
1955	66 x 3
1956	67 x 3
1957	68 x 3
1958	69 x 3
1959	70 x 3
1960	71 x 3
1961	72 x 3
1962	73 x 3
1963	74 x 3
1964	75 x 3
1965	76 x 3
1966	77 x 3
1967	78 x 3
1968	79 x 3
1969	79.5 x 3
1970	80 x 3
1971	81 x 3
1972	82 x 3
1973	82.5 x 3
1974	83 x 3
1975	84 x 3
1976	85 x 3
1977	86 x 3
1978	87 x 3
1979	88 x 3
1980	89 x 3

Code	Size (ID x CS)
1981	90 x 3
1982	91 x 3
1983	92 x 3
1984	93 x 3
1985	94 x 3
1986	95 x 3
1987	96 x 3
1988	97 x 3
1989	98 x 3
1990	99 x 3
1991	100 x 3
1992	101 x 3
1993	102 x 3
1994	103 x 3
1995	104 x 3
1996	105 x 3
1997	106 x 3
1998	107 x 3
1999	108 x 3
2000	109 x 3
2001	110 x 3
2002	111 x 3
2003	112 x 3
2004	113 x 3
2005	114 x 3
2006	115 x 3
2007	116 x 3
2008	117 x 3
2009	118 x 3
2010	119 x 3
2011	120 x 3
2012	121 x 3
2013	122 x 3
2014	123 x 3
2015	124 x 3
2016	124.5 x 3
2017	125 x 3
2018	128 x 3
2019	130 x 3
2020	132 x 3
2021	134 x 3
2022	135 x 3
2023	136 x 3
2024	139 x 3

Code	Size (ID x CS)
2025	140 x 3
2026	142 x 3
2027	143 x 3
2028	144 x 3
2029	145 x 3
2030	146 x 3
2031	148 x 3
2032	149 x 3
2033	150 x 3
2034	152 x 3
2035	153 x 3
2036	154 x 3
2037	155 x 3
2038	160 x 3
2039	164 x 3
2040	164.3 x 3
2041	164.5 x 3
2042	165 x 3
2043	169 x 3
2044	170 x 3
2045	173 x 3
2046	175 x 3
2047	179.3 x 3
2048	179.5 x 3
2049	180 x 3
2050	182 x 3
2051	184 x 3
2052	185 x 3
2053	190 x 3
2054	193 x 3
2055	194 x 3
2056	195 x 3
2057	200 x 3
2058	205 x 3
2059	208 x 3
2060	210 x 3
2061	212 x 3
2062	215 x 3
2063	216 x 3
2064	218 x 3
2065	220 x 3
2066	225 x 3
2067	230 x 3
2068	232 x 3

Code	Size (ID x CS)
2069	233 x 3
2070	235 x 3
2071	240 x 3
2072	242 x 3
2073	245 x 3
2074	250 x 3
2075	253 x 3
2076	255 x 3
2077	260 x 3
2078	265 x 3
2079	270 x 3
2080	273 x 3
2081	274 x 3
2082	275 x 3
2083	280 x 3
2084	285 x 3
2085	288 x 3
2086	290 x 3
2087	295 x 3
2088	300 x 3
2089	305 x 3
2090	310 x 3
2091	320 x 3
2092	330 x 3
2093	331 x 3
2094	340 x 3
2095	350 x 3
2096	360 x 3
2097	365 x 3
2098	370 x 3
2099	380 x 3
2100	390 x 3
2101	400 x 3
2102	412 x 3
2103	430 x 3
2104	470 x 3
2105	540 x 3
2106	630 x 3
2107	2.4 x 3.1
2108	3.4 x 3.1
2109	3.8 x 3.1
2110	4.4 x 3.1
2111	4.8 x 3.1
2112	5.4 x 3.1

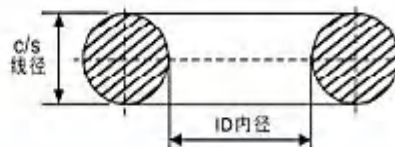


Code	Size (ID x CS)
2113	5.8 × 3.1
2114	6.4 × 3.1
2115	6.8 × 3.1
2116	7.4 × 3.1
2117	7.8 × 3.1
2118	8.4 × 3.1
2119	8.8 × 3.1
2120	9.4 × 3.1
2121	9.8 × 3.1
2122	10.0 × 3.1
2123	10.4 × 3.1
2124	10.8 × 3.1
2125	11.4 × 3.1
2126	11.8 × 3.1
2127	12.4 × 3.1
2128	12.8 × 3.1
2129	13.4 × 3.1
2130	13.8 × 3.1
2131	14.4 × 3.1
2132	14.8 × 3.1
2133	15.4 × 3.1
2134	15.8 × 3.1
2135	16.4 × 3.1
2136	16.8 × 3.1
2137	17.4 × 3.1
2138	17.8 × 3.1
2139	18.4 × 3.1
2140	18.5 × 3.1
2141	18.8 × 3.1
2142	19.4 × 3.1
2143	19.8 × 3.1
2144	20.4 × 3.1
2145	20.8 × 3.1
2146	21.4 × 3.1
2147	21.8 × 3.1
2148	22.4 × 3.1
2149	22.5 × 3.1
2150	22.8 × 3.1
2151	23.4 × 3.1
2152	23.8 × 3.1
2153	24.4 × 3.1
2154	24.8 × 3.1
2155	25.8 × 3.1
2156	26.5 × 3.1

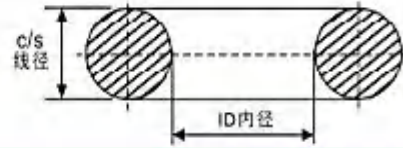
Code	Size (ID x CS)
2157	26.8 × 3.1
2158	27.4 × 3.1
2159	27.8 × 3.1
2160	28.8 × 3.1
2161	29.2 × 3.1
2162	29.4 × 3.1
2163	29.8 × 3.1
2164	30.0 × 3.1
2165	30.8 × 3.1
2166	31.5 × 3.1
2167	31.8 × 3.1
2168	32.8 × 3.1
2169	33.8 × 3.1
2170	34.0 × 3.1
2171	34.4 × 3.1
2172	34.8 × 3.1
2173	35.8 × 3.1
2174	36.8 × 3.1
2175	37.4 × 3.1
2176	37.8 × 3.1
2177	38.8 × 3.1
2178	39.4 × 3.1
2179	39.8 × 3.1
2180	40.0 × 3.1
2181	40.8 × 3.1
2182	40.87 × 3.1
2183	41.8 × 3.1
2184	42.8 × 3.1
2185	43.8 × 3.1
2186	44.4 × 3.1
2187	44.8 × 3.1
2188	45.8 × 3.1
2189	46.8 × 3.1
2190	47.4 × 3.1
2191	47.8 × 3.1
2192	48.8 × 3.1
2193	49.4 × 3.1
2194	49.8 × 3.1
2195	50.0 × 3.1
2196	50.8 × 3.1
2197	51.0 × 3.1
2198	51.8 × 3.1
2199	52.8 × 3.1
2200	53.8 × 3.1

Code	Size (ID x CS)
2201	54.4 × 3.1
2202	54.5 × 3.1
2203	55.8 × 3.1
2204	56.8 × 3.1
2205	57.4 × 3.1
2206	58.8 × 3.1
2207	59.4 × 3.1
2208	60.4 × 3.1
2209	61.4 × 3.1
2210	61.8 × 3.1
2211	62.4 × 3.1
2212	63.4 × 3.1
2213	63.8 × 3.1
2214	64.4 × 3.1
2215	65.8 × 3.1
2216	66.4 × 3.1
2217	68.8 × 3.1
2218	69.4 × 3.1
2219	71.4 × 3.1
2220	71.8 × 3.1
2221	73.8 × 3.1
2222	74.0 × 3.1
2223	74.4 × 3.1
2224	75.8 × 3.1
2225	78.8 × 3.1
2226	79.4 × 3.1
2227	83.8 × 3.1
2228	84.4 × 3.1
2229	85.8 × 3.1
2230	88.8 × 3.1
2231	89.4 × 3.1
2232	90.5 × 3.1
2233	91.8 × 3.1
2234	93.8 × 3.1
2235	94.4 × 3.1
2236	98.8 × 3.1
2237	99.4 × 3.1
2238	103.8 × 3.1
2239	104.4 × 3.1
2240	108.8 × 3.1
2241	109.4 × 3.1
2242	110.8 × 3.1
2243	113.8 × 3.1
2244	114.0 × 3.1

Code	Size (ID x CS)
2245	114.4 × 3.1
2246	118.8 × 3.1
2247	119.4 × 3.1
2248	123.8 × 3.1
2249	124.4 × 3.1
2250	124.9 × 3.1
2251	128.8 × 3.1
2252	129.4 × 3.1
2253	133.8 × 3.1
2254	134.4 × 3.1
2255	138.8 × 3.1
2256	139.4 × 3.1
2257	140.0 × 3.1
2258	142.0 × 3.1
2259	143.8 × 3.1
2260	144.4 × 3.1
2261	148.8 × 3.1
2262	149.3 × 3.1
2263	149.4 × 3.1
2264	150.0 × 3.1
2265	153.8 × 3.1
2266	154.3 × 3.1
2267	154.4 × 3.1
2268	155.0 × 3.1
2269	155.4 × 3.1
2270	158.8 × 3.1
2271	159.3 × 3.1
2272	159.8 × 3.1
2273	163.8 × 3.1
2274	164.3 × 3.1
2275	165.3 × 3.1
2276	168.8 × 3.1
2277	169.3 × 3.1
2278	170.0 × 3.1
2279	173.8 × 3.1
2280	174.3 × 3.1
2281	178.8 × 3.1
2282	179.3 × 3.1
2283	180.0 × 3.1
2284	183.8 × 3.1
2285	184.3 × 3.1
2286	185.0 × 3.1
2287	189.3 × 3.1
2288	193.8 × 3.1



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
2289	194.3 x 3.1	2333	289.3 x 3.1	2377	449.3 x 3.1	2421	12 x 3.5
2290	198.8 x 3.1	2334	293.8 x 3.1	2378	454.3 x 3.1	2422	12.7 x 3.5
2291	199.3 x 3.1	2335	294.3 x 3.1	2379	459.3 x 3.1	2423	13 x 3.5
2292	199.4 x 3.1	2336	299.3 x 3.1	2380	464.3 x 3.1	2424	14 x 3.5
2293	203.8 x 3.1	2337	304.3 x 3.1	2381	469.3 x 3.1	2425	15 x 3.5
2294	204.3 x 3.1	2338	306.3 x 3.1	2382	474.3 x 3.1	2426	16 x 3.5
2295	204.4 x 3.1	2339	313.8 x 3.1	2383	479.3 x 3.1	2427	16.7 x 3.5
2296	208.8 x 3.1	2340	314.3 x 3.1	2384	484.3 x 3.1	2428	17 x 3.5
2297	209.3 x 3.1	2341	319.3 x 3.1	2385	489.3 x 3.1	2429	17.5 x 3.5
2298	209.4 x 3.1	2342	323.8 x 3.1	2386	494.3 x 3.1	2430	18 x 3.5
2299	213.8 x 3.1	2343	324.3 x 3.1	2387	499.3 x 3.1	2431	19 x 3.5
2300	214.3 x 3.1	2344	329.3 x 3.1	2388	503.8 x 3.1	2432	19.7 x 3.5
2301	218.8 x 3.1	2345	333.8 x 3.1	2389	29 x 3.15	2433	20 x 3.5
2302	219.3 x 3.1	2346	334.3 x 3.1	2390	14.5 x 3.2	2434	21 x 3.5
2303	223.8 x 3.1	2347	338.0 x 3.1	2391	22.2 x 3.2	2435	21.7 x 3.5
2304	224.3 x 3.1	2348	339.3 x 3.1	2392	35.6 x 3.2	2436	22 x 3.5
2305	228.3 x 3.1	2349	343.8 x 3.1	2393	80 x 3.2	2437	22.1 x 3.5
2306	228.8 x 3.1	2350	344.3 x 3.1	2394	149 x 3.2	2438	22.7 x 3.5
2307	229.3 x 3.1	2351	349.3 x 3.1	2395	151.5 x 3.2	2439	23 x 3.5
2308	233.8 x 3.1	2352	353.8 x 3.1	2396	28 x 3.25	2440	23.7 x 3.5
2309	234.3 x 3.1	2353	354.3 x 3.1	2397	29.2 x 3.3	2441	24 x 3.5
2310	238.8 x 3.1	2354	359.3 x 3.1	2398	32.2 x 3.3	2442	24.5 x 3.5
2311	239.3 x 3.1	2355	363.8 x 3.1	2399	36.2 x 3.3	2443	24.6 x 3.5
2312	240.0 x 3.1	2356	364.3 x 3.1	2400	84.4 x 3.3	2444	24.7 x 3.5
2313	243.8 x 3.1	2357	369.3 x 3.1	2401	117.5 x 3.3	2445	25 x 3.5
2314	244.3 x 3.1	2358	373.8 x 3.1	2402	127.5 x 3.3	2446	25.2 x 3.5
2315	248.8 x 3.1	2359	374.3 x 3.1	2403	20 x 3.4	2447	25.7 x 3.5
2316	249.3 x 3.1	2360	379.3 x 3.1	2404	20.7 x 3.4	2448	26 x 3.5
2317	250.0 x 3.1	2361	380.0 x 3.1	2405	23.2 x 3.4	2449	26.7 x 3.5
2318	253.8 x 3.1	2362	383.8 x 3.1	2406	26.7 x 3.4	2450	27 x 3.5
2319	254.3 x 3.1	2363	384.3 x 3.1	2407	29.7 x 3.4	2451	27.4 x 3.5
2320	255.0 x 3.1	2364	389.3 x 3.1	2408	30 x 3.4	2452	27.7 x 3.5
2321	258.8 x 3.1	2365	393.8 x 3.1	2409	37 x 3.4	2453	28 x 3.5
2322	259.3 x 3.1	2366	394.3 x 3.1	2410	49.2 x 3.4	2454	28.7 x 3.5
2323	263.8 x 3.1	2367	399.3 x 3.1	2411	3 x 3.5	2455	29 x 3.5
2324	264.3 x 3.1	2368	404.3 x 3.1	2412	7 x 3.5	2456	29.2 x 3.5
2325	269.3 x 3.1	2369	409.3 x 3.1	2413	8 x 3.5	2457	29.7 x 3.5
2326	273.8 x 3.1	2370	414.3 x 3.1	2414	8.5 x 3.5	2458	30 x 3.5
2327	274.3 x 3.1	2371	419.3 x 3.1	2415	8.8 x 3.5	2459	30.7 x 3.5
2328	275.0 x 3.1	2372	424.3 x 3.1	2416	9 x 3.5	2460	31 x 3.5
2329	278.8 x 3.1	2373	429.3 x 3.1	2417	9.5 x 3.5	2461	31.2 x 3.5
2330	279.3 x 3.1	2374	434.3 x 3.1	2418	10 x 3.5	2462	31.7 x 3.5
2331	283.8 x 3.1	2375	439.3 x 3.1	2419	10.92 x 3.5	2463	32 x 3.5
2332	284.3 x 3.1	2376	444.3 x 3.1	2420	11 x 3.5	2464	32.7 x 3.5

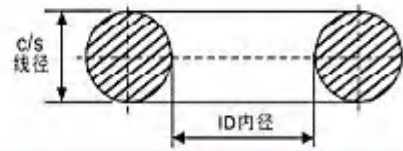


Code	Size (ID x CS)
2465	33 x 3.5
2466	33.7 x 3.5
2467	34 x 3.5
2468	34.7 x 3.5
2469	35 x 3.5
2470	35.2 x 3.5
2471	35.7 x 3.5
2472	36 x 3.5
2473	36.7 x 3.5
2474	37 x 3.5
2475	37.7 x 3.5
2476	38 x 3.5
2477	38.7 x 3.5
2478	39 x 3.5
2479	39.7 x 3.5
2480	40 x 3.5
2481	40.7 x 3.5
2482	41 x 3.5
2483	41.7 x 3.5
2484	42 x 3.5
2485	43 x 3.5
2486	43.7 x 3.5
2487	44 x 3.5
2488	44.7 x 3.5
2489	45 x 3.5
2490	45.7 x 3.5
2491	46 x 3.5
2492	47 x 3.5
2493	47.7 x 3.5
2494	48 x 3.5
2495	48.7 x 3.5
2496	49 x 3.5
2497	49.7 x 3.5
2498	50 x 3.5
2499	51 x 3.5
2500	52 x 3.5
2501	53 x 3.5
2502	54 x 3.5
2503	55 x 3.5
2504	56 x 3.5
2505	57 x 3.5
2506	58 x 3.5
2507	59 x 3.5
2508	59.5 x 3.5

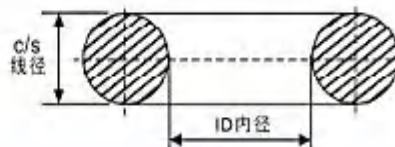
Code	Size (ID x CS)
2509	60 x 3.5
2510	61 x 3.5
2511	61.6 x 3.5
2512	62 x 3.5
2513	62.6 x 3.5
2514	63 x 3.5
2515	63.5 x 3.5
2516	64 x 3.5
2517	64.6 x 3.5
2518	65 x 3.5
2519	66 x 3.5
2520	67 x 3.5
2521	67.6 x 3.5
2522	68 x 3.5
2523	68.5 x 3.5
2524	69 x 3.5
2525	70 x 3.5
2526	71 x 3.5
2527	72 x 3.5
2528	73 x 3.5
2529	74 x 3.5
2530	74.6 x 3.5
2531	75 x 3.5
2532	76 x 3.5
2533	77 x 3.5
2534	78 x 3.5
2535	79 x 3.5
2536	79.5 x 3.5
2537	80 x 3.5
2538	81 x 3.5
2539	81.6 x 3.5
2540	82 x 3.5
2541	83 x 3.5
2542	83.5 x 3.5
2543	84 x 3.5
2544	85 x 3.5
2545	86 x 3.5
2546	87 x 3.5
2547	88 x 3.5
2548	89 x 3.5
2549	89.6 x 3.5
2550	90 x 3.5
2551	91 x 3.5
2552	92 x 3.5

Code	Size (ID x CS)
2553	93 x 3.5
2554	94 x 3.5
2555	94.6 x 3.5
2556	95 x 3.5
2557	96 x 3.5
2558	97 x 3.5
2559	97.6 x 3.5
2560	98 x 3.5
2561	99 x 3.5
2562	100 x 3.5
2563	101 x 3.5
2564	102 x 3.5
2565	103 x 3.5
2566	104 x 3.5
2567	105 x 3.5
2568	106 x 3.5
2569	107 x 3.5
2570	108 x 3.5
2571	109 x 3.5
2572	109.6 x 3.5
2573	110 x 3.5
2574	111 x 3.5
2575	111.6 x 3.5
2576	113 x 3.5
2577	114.7 x 3.5
2578	115 x 3.5
2579	120 x 3.5
2580	123 x 3.5
2581	124.6 x 3.5
2582	125 x 3.5
2583	128 x 3.5
2584	129.6 x 3.5
2585	130 x 3.5
2586	133 x 3.5
2587	134.5 x 3.5
2588	135 x 3.5
2589	138 x 3.5
2590	139.6 x 3.5
2591	140 x 3.5
2592	143 x 3.5
2593	144.7 x 3.5
2594	145 x 3.5
2595	148 x 3.5
2596	149.7 x 3.5

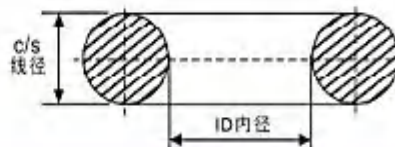
Code	Size (ID x CS)
2597	150 x 3.5
2598	153 x 3.5
2599	155 x 3.5
2600	158 x 3.5
2601	160 x 3.5
2602	163 x 3.5
2603	165 x 3.5
2604	168 x 3.5
2605	170 x 3.5
2606	173 x 3.5
2607	175 x 3.5
2608	177 x 3.5
2609	180 x 3.5
2610	183 x 3.5
2611	185 x 3.5
2612	188 x 3.5
2613	190 x 3.5
2614	193 x 3.5
2615	195 x 3.5
2616	198 x 3.5
2617	200 x 3.5
2618	205 x 3.5
2619	210 x 3.5
2620	218 x 3.5
2621	220 x 3.5
2622	229 x 3.5
2623	230 x 3.5
2624	240 x 3.5
2625	243 x 3.5
2626	245 x 3.5
2627	250 x 3.5
2628	255 x 3.5
2629	260 x 3.5
2630	270 x 3.5
2631	273 x 3.5
2632	274 x 3.5
2633	280 x 3.5
2634	290 x 3.5
2635	300 x 3.5
2636	310 x 3.5
2637	314 x 3.5
2638	320 x 3.5
2639	330 x 3.5
2640	340 x 3.5



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
2641	350 × 3.5	2685	39.50 × 3.53	2729	94.84 × 3.53	2773	209.14 × 3.53
2642	360 × 3.5	2686	40.87 × 3.53	2730	95.60 × 3.53	2774	210.00 × 3.53
2643	367 × 3.5	2687	41.00 × 3.53	2731	98.02 × 3.53	2775	215.49 × 3.53
2644	370 × 3.5	2688	41.28 × 3.53	2732	101.19 × 3.53	2776	221.84 × 3.53
2645	380 × 3.5	2689	42.86 × 3.53	2733	103.00 × 3.53	2777	223.00 × 3.53
2646	390 × 3.5	2690	44.00 × 3.53	2734	104.37 × 3.53	2778	225.00 × 3.53
2647	400 × 3.5	2691	44.04 × 3.53	2735	107.50 × 3.53	2779	228.19 × 3.53
2648	413 × 3.5	2692	46.04 × 3.53	2736	107.54 × 3.53	2780	234.54 × 3.53
2649	419 × 3.5	2693	47.22 × 3.53	2737	110.72 × 3.53	2781	240.89 × 3.53
2650	472 × 3.5	2694	49.21 × 3.53	2738	113.89 × 3.53	2782	245.00 × 3.53
2651	1.52 × 3.53	2695	49.50 × 3.53	2739	117.00 × 3.53	2783	247.24 × 3.53
2652	4.34 × 3.53	2696	50.39 × 3.53	2740	117.07 × 3.53	2784	253.60 × 3.53
2653	5.94 × 3.53	2697	52.40 × 3.53	2741	120.00 × 3.53	2785	255.39 × 3.53
2654	6.42 × 3.53	2698	53.57 × 3.53	2742	120.24 × 3.53	2786	255.59 × 3.53
2655	7.52 × 3.53	2699	53.94 × 3.53	2743	120.25 × 3.53	2787	265.00 × 3.53
2656	9.12 × 3.53	2700	55.00 × 3.53	2744	122.00 × 3.53	2788	266.06 × 3.53
2657	10.69 × 3.53	2701	55.56 × 3.53	2745	123.42 × 3.53	2789	266.29 × 3.53
2658	11.80 × 3.53	2702	56.74 × 3.53	2746	126.59 × 3.53	2790	268.00 × 3.53
2659	12.29 × 3.53	2703	57.15 × 3.53	2747	126.6 × 3.53	2791	272.00 × 3.53
2660	12.69 × 3.53	2704	58.00 × 3.53	2748	128.00 × 3.53	2792	278.99 × 3.53
2661	13.87 × 3.53	2705	58.78 × 3.53	2749	129.77 × 3.53	2793	279.00 × 3.53
2662	15.47 × 3.53	2706	59.92 × 3.53	2750	132.94 × 3.53	2794	291.69 × 3.53
2663	17.04 × 3.53	2707	60.33 × 3.53	2751	136.12 × 3.53	2795	291.96 × 3.53
2664	18.00 × 3.53	2708	60.60 × 3.53	2752	138.00 × 3.53	2796	304.17 × 3.53
2665	18.64 × 3.53	2709	61.91 × 3.53	2753	139.29 × 3.53	2797	304.39 × 3.53
2666	20.22 × 3.53	2710	63.09 × 3.53	2754	142.47 × 3.53	2798	315.85 × 3.53
2667	21.82 × 3.53	2711	66.27 × 3.53	2755	145.64 × 3.53	2799	329.79 × 3.53
2668	23.39 × 3.53	2712	68.00 × 3.53	2756	148.82 × 3.53	2800	329.97 × 3.53
2669	23.40 × 3.53	2713	69.40 × 3.53	2757	151.70 × 3.53	2801	335.00 × 3.53
2670	24.99 × 3.53	2714	69.44 × 3.53	2758	151.99 × 3.53	2802	335.19 × 3.53
2671	25.80 × 3.53	2715	69.85 × 3.53	2759	158.34 × 3.53	2803	355.00 × 3.53
2672	26.57 × 3.53	2716	72.62 × 3.53	2760	164.69 × 3.53	2804	355.19 × 3.53
2673	28.10 × 3.53	2717	75.57 × 3.53	2761	164.70 × 3.53	2805	356.00 × 3.53
2674	28.17 × 3.53	2718	75.79 × 3.53	2762	165.00 × 3.53	2806	380.59 × 3.53
2675	28.70 × 3.53	2719	78.97 × 3.53	2763	171.04 × 3.53	2807	390.00 × 3.53
2676	29.74 × 3.53	2720	82.14 × 3.53	2764	173.00 × 3.53	2808	405.26 × 3.53
2677	31.34 × 3.53	2721	84.50 × 3.53	2765	177.39 × 3.53	2809	430.66 × 3.53
2678	32.92 × 3.53	2722	85.00 × 3.53	2766	181.00 × 3.53	2810	456.06 × 3.53
2679	33.50 × 3.53	2723	85.32 × 3.53	2767	183.74 × 3.53	2811	7.25 × 3.55
2680	34.52 × 3.53	2724	86.50 × 3.53	2768	190.09 × 3.53	2812	8 × 3.55
2681	36.09 × 3.53	2725	88.00 × 3.53	2769	195.00 × 3.53	2813	9 × 3.55
2682	37.69 × 3.53	2726	88.49 × 3.53	2770	196.44 × 3.53	2814	10 × 3.55
2683	38.50 × 3.53	2727	91.67 × 3.53	2771	200.00 × 3.53	2815	11 × 3.55
2684	38.70 × 3.53	2728	92.50 × 3.53	2772	202.79 × 3.53	2816	12 × 3.55



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
2817	12.5 × 3.55	2861	54.5 × 3.55	2905	136 × 3.55	2949	456 × 3.55
2818	13 × 3.55	2862	56.0 × 3.55	2906	140 × 3.55	2950	487 × 3.55
2819	14 × 3.55	2863	56.5 × 3.55	2907	145 × 3.55	2951	523 × 3.55
2820	15 × 3.55	2864	57.0 × 3.55	2908	147.5 × 3.55	2952	572.9 × 3.55
2821	16 × 3.55	2865	58.0 × 3.55	2909	150 × 3.55	2953	15.7 × 3.6
2822	17 × 3.55	2866	60.0 × 3.55	2910	152.5 × 3.55	2954	18 × 3.6
2823	18 × 3.55	2867	61.5 × 3.55	2911	155 × 3.55	2955	18.3 × 3.6
2824	19 × 3.55	2868	63.0 × 3.55	2912	157.5 × 3.55	2956	19.8 × 3.6
2825	20 × 355	2869	65.0 × 3.55	2913	160 × 3.55	2957	21.3 × 3.6
2826	20.6 × 3.55	2870	67.0 × 3.55	2914	162.5 × 3.55	2958	23 × 3.6
2827	21.2 × 3.55	2871	69.0 × 3.55	2915	163 × 3.55	2959	24.6 × 3.6
2828	22.4 × 3.55	2872	70.0 × 3.55	2916	164.7 × 3.55	2960	26.2 × 3.6
2829	23.6 × 3.55	2873	71.0 × 3.55	2917	165 × 3.55	2961	27.8 × 3.6
2830	24.3 × 3.55	2874	71.5 × 3.55	2918	167.5 × 3.55	2962	29.3 × 3.6
2831	24.7 × 3.55	2875	72.0 × 3.55	2919	170 × 3.55	2963	30.8 × 3.6
2832	25.0 × 3.55	2876	73.0 × 355	2920	172.5 × 3.55	2964	32.5 × 3.6
2833	25.5 × 3.55	2877	75.0 × 3.55	2921	175 × 3.55	2965	34.1 × 3.6
2834	25.8 × 3.55	2878	77.5 × 3.55	2922	177.5 × 3.55	2966	34.8 × 3.6
2835	26.5 × 3.55	2879	78.0 × 3.55	2923	180 × 3.55	2967	35.6 × 3.6
2836	27.3 × 3.55	2880	80.0 × 3.55	2924	182.5 × 3.55	2968	37.3 × 3.6
2837	28.0 × 3.55	2881	82.5 × 3.55	2925	185 × 3.55	2969	40 × 3.6
2838	29.0 × 3.55	2882	83.0 × 3.55	2926	187.5 × 3.55	2970	46 × 3.6
2839	30.0 × 3.55	2883	85.0 × 3.55	2927	190 × 3.55	2971	7.49 × 3.61
2840	31.5 × 3.55	2884	87.5 × 3.55	2928	195 × 3.55	2972	19.6 × 3.65
2841	32.5 × 3.55	2885	89.6 × 3.55	2929	200 × 3.55	2973	21.6 × 3.7
2842	33.5 × 3.55	2886	90.0 × 3.55	2930	210 × 3.55	2974	27.6 × 3.7
2843	34.5 × 3.55	2887	92.5 × 3.55	2931	225 × 3.55	2975	28.6 × 3.7
2844	35.5 × 3.55	2888	93.0 × 3.55	2932	228.2 × 3.55	2976	38.7 × 3.7
2845	36.5 × 3.55	2889	95.0 × 3.55	2933	230 × 3.55	2977	14.5 × 3.75
2846	37.5 × 3.55	2890	97.5 × 3.55	2934	236 × 3.55	2978	20 × 3.8
2847	38.7 × 3.55	2891	100 × 3.55	2935	243 × 3.55	2979	31.5 × 3.8
2848	40.0 × 3.55	2892	103 × 3.55	2936	250 × 3.55	2980	34.5 × 3.8
2849	41.2 × 3.55	2893	105 × 3.55	2937	262 × 3.55	2981	59 × 3.8
2850	42.3 × 3.55	2894	106 × 3.55	2938	268 × 3.55	2982	80 × 3.8
2851	42.5 × 3.55	2895	107 × 3.55	2939	271 × 3.55	2983	215 × 3.8
2852	43.7 × 3.55	2896	109 × 3.55	2940	280 × 3.55	2984	13.76 × 3.84
2853	45.0 × 3.55	2897	110 × 3.55	2941	285 × 3.55	2985	4 × 4
2854	46.2 × 3.55	2898	112 × 3.55	2942	290 × 3.55	2986	5 × 4
2855	47.5 × 3.55	2899	115 × 3.55	2943	302.9 × 3.55	2987	6 × 4
2856	48.0 × 3.55	2900	118 × 3.55	2944	307 × 3.55	2988	7 × 4
2857	48.7 × 3.55	2901	122 × 3.55	2945	325 × 3.55	2989	8 × 4
2858	50.0 × 3.55	2902	125 × 3.55	2946	355 × 3.55	2990	9 × 4
2859	51.5 × 3.55	2903	128 × 3.55	2947	390 × 3.55	2991	9.5 × 4
2860	53.0 × 3.55	2904	132 × 3.55	2948	394 × 3.55	2992	10 × 4

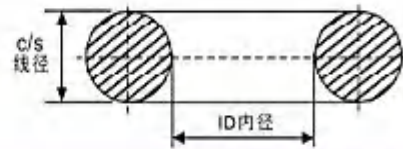


Code	Size (ID x CS)
2993	10.5 × 4
2994	11 × 4
2995	11.5 × 4
2996	12 × 4
2997	12.5 × 4
2998	13 × 4
2999	13.5 × 4
3000	14 × 4
3001	14.5 × 4
3002	15 × 4
3003	15.5 × 4
3004	16 × 4
3005	16.5 × 4
3006	17 × 4
3007	17.5 × 4
3008	18 × 4
3009	18.5 × 4
3010	19 × 4
3011	19.5 × 4
3012	20 × 4
3013	20.5 × 4
3014	21 × 4
3015	21.5 × 4
3016	22 × 4
3017	22.5 × 4
3018	23 × 4
3019	23.5 × 4
3020	24 × 4
3021	24.3 × 4
3022	24.5 × 4
3023	25 × 4
3024	25.5 × 4
3025	26 × 4
3026	26.5 × 4
3027	27 × 4
3028	27.5 × 4
3029	28 × 4
3030	28.5 × 4
3031	29 × 4
3032	29.5 × 4
3033	30 × 4
3034	30.5 × 4
3035	31 × 4
3036	31.5 × 4

Code	Size (ID x CS)
3037	32 × 4
3038	32.5 × 4
3039	33 × 4
3040	33.5 × 4
3041	34 × 4
3042	34.5 × 4
3043	35 × 4
3044	35.5 × 4
3045	36 × 4
3046	36.5 × 4
3047	37 × 4
3048	37.5 × 4
3049	38 × 4
3050	38.5 × 4
3051	39 × 4
3052	39.5 × 4
3053	40 × 4
3054	40.5 × 4
3055	41 × 4
3056	41.5 × 4
3057	42 × 4
3058	42.3 × 4
3059	43 × 4
3060	43.5 × 4
3061	44 × 4
3062	44.5 × 4
3063	45 × 4
3064	45.5 × 4
3065	46 × 4
3066	47 × 4
3067	47.5 × 4
3068	48 × 4
3069	49 × 4
3070	49.5 × 4
3071	50 × 4
3072	51 × 4
3073	52 × 4
3074	52.5 × 4
3075	53 × 4
3076	54 × 4
3077	54.3 × 4
3078	54.5 × 4
3079	55 × 4
3080	55.5 × 4

Code	Size (ID x CS)
3081	56 × 4
3082	57 × 4
3083	57.5 × 4
3084	58 × 4
3085	59 × 4
3086	59.5 × 4
3087	60 × 4
3088	61 × 4
3089	62 × 4
3090	62.5 × 4
3091	63 × 4
3092	64 × 4
3093	64.5 × 4
3094	65 × 4
3095	66 × 4
3096	66.5 × 4
3097	67 × 4
3098	68 × 4
3099	69 × 4
3100	70 × 4
3101	71 × 4
3102	72 × 4
3103	73 × 4
3104	74 × 4
3105	75 × 4
3106	76 × 4
3107	76.4 × 4
3108	77 × 4
3109	78 × 4
3110	79 × 4
3111	80 × 4
3112	81 × 4
3113	82 × 4
3114	83 × 4
3115	84 × 4
3116	85 × 4
3117	86 × 4
3118	87 × 4
3119	88 × 4
3120	89 × 4
3121	90 × 4
3122	91 × 4
3123	92 × 4
3124	93 × 4

Code	Size (ID x CS)
3125	94 × 4
3126	95 × 4
3127	96 × 4
3128	97 × 4
3129	98 × 4
3130	99 × 4
3131	100 × 4
3132	101 × 4
3133	102 × 4
3134	103 × 4
3135	104 × 4
3136	105 × 4
3137	106 × 4
3138	107 × 4
3139	108 × 4
3140	109 × 4
3141	110 × 4
3142	111 × 4
3143	112 × 4
3144	113 × 4
3145	114 × 4
3146	115 × 4
3147	116 × 4
3148	117 × 4
3149	118 × 4
3150	119 × 4
3151	120 × 4
3152	121 × 4
3153	122 × 4
3154	123 × 4
3155	124 × 4
3156	125 × 4
3157	126 × 4
3158	127 × 4
3159	128 × 4
3160	129 × 4
3161	130 × 4
3162	131 × 4
3163	132 × 4
3164	133 × 4
3165	134 × 4
3166	135 × 4
3167	136 × 4
3168	137 × 4

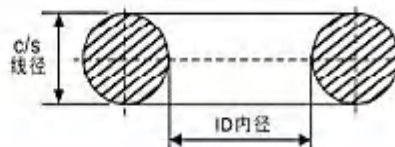


Code	Size (ID x CS)
3169	138 × 4
3170	138.5 × 4
3171	139 × 4
3172	140 × 4
3173	141 × 4
3174	142 × 4
3175	143 × 4
3176	143.5 × 4
3177	144 × 4
3178	145 × 4
3179	146 × 4
3180	147 × 4
3181	148 × 4
3182	148.5 × 4
3183	149 × 4
3184	150 × 4
3185	152 × 4
3186	153 × 4
3187	153.5 × 4
3188	154 × 4
3189	155 × 4
3190	156 × 4
3191	157 × 4
3192	158 × 4
3193	158.5 × 4
3194	160 × 4
3195	162 × 4
3196	163.5 × 4
3197	165 × 4
3198	168 × 4
3199	168.5 × 4
3200	170 × 4
3201	172 × 4
3202	173.5 × 4
3203	175 × 4
3204	177 × 4
3205	178.5 × 4
3206	180 × 4
3207	182 × 4
3208	183.5 × 4
3209	185 × 4
3210	188 × 4
3211	188.5 × 4
3212	190 × 4

Code	Size (ID x CS)
3213	192 × 4
3214	193.5 × 4
3215	195 × 4
3216	197 × 4
3217	198.5 × 4
3218	200 × 4
3219	203.5 × 4
3220	205 × 4
3221	207 × 4
3222	208.5 × 4
3223	210 × 4
3224	212 × 4
3225	213.5 × 4
3226	215 × 4
3227	217 × 4
3228	218.5 × 4
3229	220 × 4
3230	222 × 4
3231	225 × 4
3232	227 × 4
3233	230 × 4
3234	232 × 4
3235	235 × 4
3236	240 × 4
3237	245 × 4
3238	247 × 4
3239	250 × 4
3240	252 × 4
3241	255 × 4
3242	257 × 4
3243	259 × 4
3244	260 × 4
3245	265 × 4
3246	270 × 4
3247	271 × 4
3248	272 × 4
3249	275 × 4
3250	280 × 4
3251	285 × 4
3252	290 × 4
3253	294 × 4
3254	295 × 4
3255	297 × 4
3256	300 × 4

Code	Size (ID x CS)
3257	305 × 4
3258	310 × 4
3259	320 × 4
3260	330 × 4
3261	340 × 4
3262	350 × 4
3263	355 × 4
3264	360 × 4
3265	370 × 4
3266	380 × 4
3267	390 × 4
3268	400 × 4
3269	410 × 4
3270	417 × 4
3271	420 × 4
3272	425 × 4
3273	429 × 4
3274	430 × 4
3275	440 × 4
3276	450 × 4
3277	460 × 4
3278	467 × 4
3279	470 × 4
3280	530 × 4
3281	48 × 4.1
3282	50 × 4.1
3283	50.5 × 4.1
3284	53.5 × 4.1
3285	55.5 × 4.1
3286	58.4 × 4.1
3287	72 × 4.1
3288	195 × 4.1
3289	560 × 4.3
3290	25.4 × 4.4
3291	6 × 4.5
3292	16 × 4.5
3293	17 × 4.5
3294	19 × 4.5
3295	20 × 4.5
3296	24 × 4.5
3297	24.5 × 4.5
3298	25 × 4.5
3299	28 × 4.5
3300	30 × 4.5

Code	Size (ID x CS)
3301	33 × 4.5
3302	38 × 4.5
3303	42 × 4.5
3304	48 × 4.5
3305	49 × 4.5
3306	50 × 4.5
3307	54 × 4.5
3308	58 × 4.5
3309	60 × 4.5
3310	65 × 4.5
3311	66.5 × 4.5
3312	70 × 4.5
3313	71 × 4.5
3314	76 × 4.5
3315	80 × 4.5
3316	85 × 4.5
3317	94 × 4.5
3318	95 × 4.5
3319	100 × 4.5
3320	107 × 4.5
3321	108 × 4.5
3322	112 × 4.5
3323	115 × 4.5
3324	123 × 4.5
3325	133 × 4.5
3326	139 × 4.5
3327	140 × 4.5
3328	145 × 4.5
3329	150 × 4.5
3330	160 × 4.5
3331	175 × 4.5
3332	180 × 4.5
3333	200 × 4.5
3334	205 × 4.5
3335	220 × 4.5
3336	225 × 4.5
3337	230 × 4.5
3338	250 × 4.5
3339	255 × 4.5
3340	154.5 × 4.55
3341	18.8 × 4.6
3342	22.8 × 4.6
3343	24.8 × 4.6
3344	25.8 × 4.6

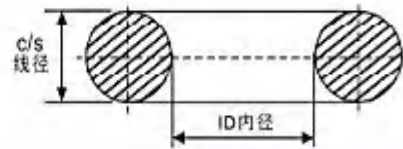


Code	Size (ID x CS)
3345	26.8 × 4.6
3346	30.8 × 4.6
3347	31.3 × 4.6
3348	32.8 × 4.6
3349	35.8 × 4.6
3350	43.8 × 4.6
3351	45 × 4.6
3352	46.8 × 4.6
3353	50.8 × 4.6
3354	55 × 4.6
3355	537 × 4.6
3356	60 × 4.7
3357	61.5 × 4.7
3358	64.7 × 4.7
3359	66 × 4.7
3360	66.7 × 4.7
3361	69.7 × 4.7
3362	71 × 4.7
3363	71.7 × 4.7
3364	74.4 × 4.7
3365	76 × 4.7
3366	76.7 × 4.7
3367	81.5 × 4.7
3368	85.6 × 4.7
3369	89.5 × 4.7
3370	130 × 4.7
3371	135 × 4.7
3372	30.18 × 4.75
3373	5 × 5
3374	6 × 5
3375	7 × 5
3376	8 × 5
3377	9 × 5
3378	10 × 5
3379	11 × 5
3380	12 × 5
3381	13 × 5
3382	14 × 5
3383	15 × 5
3384	16 × 5
3385	17 × 5
3386	17.6 × 5
3387	18 × 5
3388	19 × 5

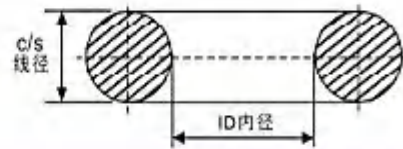
Code	Size (ID x CS)
3389	20 × 5
3390	20.68 × 5
3391	21 × 5
3392	22 × 5
3393	23 × 5
3394	24 × 5
3395	25 × 5
3396	26 × 5
3397	27 × 5
3398	28 × 5
3399	29 × 5
3400	30 × 5
3401	31 × 5
3402	32 × 5
3403	33 × 5
3404	34 × 5
3405	35 × 5
3406	36 × 5
3407	37 × 5
3408	38 × 5
3409	39 × 5
3410	40 × 5
3411	41 × 5
3412	42 × 5
3413	43 × 5
3414	44 × 5
3415	45 × 5
3416	46 × 5
3417	47 × 5
3418	47.4 × 5
3419	48 × 5
3420	49 × 5
3421	50 × 5
3422	51 × 5
3423	52 × 5
3424	53 × 5
3425	54 × 5
3426	55 × 5
3427	56 × 5
3428	57 × 5
3429	58 × 5
3430	59 × 5
3431	60 × 5
3432	61 × 5

Code	Size (ID x CS)
3433	61.6 × 5
3434	62 × 5
3435	63 × 5
3436	64 × 5
3437	65 × 5
3438	66 × 5
3439	67 × 5
3440	68 × 5
3441	69 × 5
3442	70 × 5
3443	71 × 5
3444	72 × 5
3445	73 × 5
3446	74 × 5
3447	75 × 5
3448	76 × 5
3449	77 × 5
3450	78 × 5
3451	79 × 5
3452	80 × 5
3453	81 × 5
3454	82 × 5
3455	83 × 5
3456	84 × 5
3457	85 × 5
3458	86 × 5
3459	87 × 5
3460	88 × 5
3461	89 × 5
3462	90 × 5
3463	91 × 5
3464	92 × 5
3465	93 × 5
3466	94 × 5
3467	95 × 5
3468	96 × 5
3469	97 × 5
3470	98 × 5
3471	99 × 5
3472	100 × 5
3473	101 × 5
3474	102 × 5
3475	103 × 5
3476	104 × 5

Code	Size (ID x CS)
3477	105 × 5
3478	106 × 5
3479	107 × 5
3480	108 × 5
3481	109 × 5
3482	110 × 5
3483	115 × 5
3484	118 × 5
3485	120 × 5
3486	123 × 5
3487	124 × 5
3488	125 × 5
3489	130 × 5
3490	135 × 5
3491	138 × 5
3492	140 × 5
3493	142 × 5
3494	145 × 5
3495	150 × 5
3496	155 × 5
3497	160 × 5
3498	165 × 5
3499	170 × 5
3500	175 × 5
3501	180 × 5
3502	183.5 × 5
3503	185 × 5
3504	190 × 5
3505	195 × 5
3506	200 × 5
3507	205 × 5
3508	210 × 5
3509	215 × 5
3510	217 × 5
3511	220 × 5
3512	225 × 5
3513	230 × 5
3514	235 × 5
3515	240 × 5
3516	245 × 5
3517	250 × 5
3518	255 × 5
3519	260 × 5
3520	265 × 5



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
3521	270 × 5	3565	54.8 × 5.2	3609	61.5 × 5.3	3653	122 × 5.3
3522	275 × 5	3566	60.3 × 5.2	3610	62 × 5.3	3654	125 × 5.3
3523	280 × 5	3567	66.2 × 5.2	3611	62.87 × 5.3	3655	128 × 5.3
3524	285 × 5	3568	76.2 × 5.2	3612	63 × 5.3	3656	130 × 5.3
3525	290 × 5	3569	15 × 5.3	3613	64.4 × 5.3	3657	132 × 5.3
3526	295 × 5	3570	16 × 5.3	3614	65 × 5.3	3658	136 × 5.3
3527	300 × 5	3571	18 × 5.3	3615	66 × 5.3	3659	140 × 5.3
3528	305 × 5	3572	19 × 5.3	3616	67 × 5.3	3660	143 × 5.3
3529	307 × 5	3573	25 × 5.3	3617	68 × 5.3	3661	145 × 5.3
3530	310 × 5	3574	28 × 5.3	3618	69 × 5.3	3662	147.5 × 5.3
3531	315 × 5	3575	28.17 × 5.3	3619	70 × 5.3	3663	150 × 5.3
3532	320 × 5	3576	29 × 5.3	3620	71 × 5.3	3664	155 × 5.3
3533	325 × 5	3577	33 × 5.3	3621	73 × 5.3	3665	157.5 × 5.3
3534	330 × 5	3578	35 × 5.3	3622	74 × 5.3	3666	158 × 5.3
3535	335 × 5	3579	35.5 × 5.3	3623	75 × 5.3	3667	160 × 5.3
3536	340 × 5	3580	36.5 × 5.3	3624	77.5 × 5.3	3668	162.5 × 5.3
3537	345 × 5	3581	38.7 × 5.3	3625	78 × 5.3	3669	165 × 5.3
3538	350 × 5	3582	39.3 × 5.3	3626	79 × 5.3	3670	167.5 × 5.3
3539	355 × 5	3583	40 × 5.3	3627	80 × 5.3	3671	170 × 5.3
3540	360 × 5	3584	41 × 5.3	3628	81 × 5.3	3672	173 × 5.3
3541	365 × 5	3585	41.2 × 5.3	3629	82.5 × 5.3	3673	175 × 5.3
3542	370 × 5	3586	42 × 5.3	3630	83 × 5.3	3674	180 × 5.3
3543	375 × 5	3587	42.3 × 5.3	3631	85 × 5.3	3675	182.5 × 5.3
3544	380 × 5	3588	42.5 × 5.3	3632	87.5 × 5.3	3676	185 × 5.3
3545	385 × 5	3589	43.7 × 5.3	3633	90 × 5.3	3677	187.5 × 5.3
3546	390 × 5	3590	45 × 5.3	3634	91 × 5.3	3678	190 × 5.3
3547	395 × 5	3591	46.2 × 5.3	3635	92 × 5.3	3679	195 × 5.3
3548	400 × 5	3592	47.5 × 5.3	3636	92.5 × 5.3	3680	198 × 5.3
3549	410 × 5	3593	48 × 5.3	3637	93.5 × 5.3	3681	200 × 5.3
3550	420 × 5	3594	48.7 × 5.3	3638	95 × 5.3	3682	205 × 5.3
3551	430 × 5	3595	50 × 5.3	3639	97.5 × 5.3	3683	206 × 5.3
3552	440 × 5	3596	51 × 5.3	3640	100 × 5.3	3684	212 × 5.3
3553	450 × 5	3597	51.5 × 5.3	3641	101.8 × 5.3	3685	215 × 5.3
3554	460 × 5	3598	52.4 × 5.3	3642	103 × 5.3	3686	216 × 5.3
3555	470 × 5	3599	53 × 5.3	3643	105 × 5.3	3687	218 × 5.3
3556	480 × 5	3600	54 × 5.3	3644	106 × 5.3	3688	220 × 5.3
3557	490 × 5	3601	54.5 × 5.3	3645	108 × 5.3	3689	224 × 5.3
3558	500 × 5	3602	55 × 5.3	3646	109 × 5.3	3690	226 × 5.3
3559	510 × 5	3603	56 × 5.3	3647	110 × 5.3	3691	227 × 5.3
3560	520 × 5	3604	56.5 × 5.3	3648	112 × 5.3	3692	230 × 5.3
3561	580 × 5	3605	58 × 5.3	3649	115 × 5.3	3693	234.32 × 5.3
3562	90.5 × 5.1	3606	58.7 × 5.3	3650	117.4 × 5.3	3694	236 × 5.3
3563	52.8 × 5.2	3607	59 × 5.3	3651	118 × 5.3	3695	238 × 5.3
3564	54.2 × 5.2	3608	60 × 5.3	3652	120 × 5.3	3696	239 × 5.3

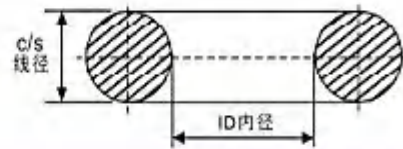


Code	Size (ID x CS)
3697	240 × 5.3
3698	243 × 5.3
3699	250 × 5.3
3700	251 × 5.3
3701	253.37 × 5.3
3702	254 × 5.3
3703	258 × 5.3
3704	260 × 5.3
3705	261 × 5.3
3706	265 × 5.3
3707	268 × 5.3
3708	269.4 × 5.3
3709	272 × 5.3
3710	272.5 × 5.3
3711	276 × 5.3
3712	280 × 5.3
3713	283 × 5.3
3714	286 × 5.3
3715	290 × 5.3
3716	295 × 5.3
3717	300 × 5.3
3718	303 × 5.3
3719	307 × 5.3
3720	311 × 5.3
3721	315 × 5.3
3722	316 × 5.3
3723	320 × 5.3
3724	325 × 5.3
3725	330 × 5.3
3726	335 × 5.3
3727	340 × 5.3
3728	345 × 5.3
3729	350 × 5.3
3730	355 × 5.3
3731	360 × 5.3
3732	365 × 5.3
3733	370 × 5.3
3734	375 × 5.3
3735	379 × 5.3
3736	383 × 5.3
3737	387 × 5.3
3738	391 × 5.3
3739	395 × 5.3
3740	400 × 5.3

Code	Size (ID x CS)
3741	410 × 5.3
3742	437 × 5.3
3743	450 × 5.3
3744	481.41 × 5.3
3745	515 × 5.3
3746	580 × 5.3
3747	9 × 5.33
3748	10.46 × 5.33
3749	12.07 × 5.33
3750	13.64 × 5.33
3751	15.24 × 5.33
3752	16.81 × 5.33
3753	18.42 × 5.33
3754	19.99 × 5.33
3755	21.59 × 5.33
3756	21.99 × 5.33
3757	23.16 × 5.33
3758	24.77 × 5.33
3759	26.34 × 5.33
3760	27.94 × 5.33
3761	29.51 × 5.33
3762	31.12 × 5.33
3763	32.00 × 5.33
3764	32.69 × 5.33
3765	34.29 × 5.33
3766	35.00 × 5.33
3767	36.00 × 5.33
3768	37.47 × 5.33
3769	38.00 × 5.33
3770	39.00 × 5.33
3771	40.64 × 5.33
3772	41.20 × 5.33
3773	43.80 × 5.33
3774	43.82 × 5.33
3775	46.00 × 5.33
3776	46.99 × 5.33
3777	48.00 × 5.33
3778	50.17 × 5.33
3779	51.50 × 5.33
3780	53.34 × 5.33
3781	56.00 × 5.33
3782	56.52 × 5.33
3783	58.00 × 5.33
3784	59.69 × 5.33

Code	Size (ID x CS)
3785	61.50 × 5.33
3786	62.87 × 5.33
3787	66.04 × 5.33
3788	69.22 × 5.33
3789	71.00 × 5.33
3790	72.39 × 5.33
3791	75.00 × 5.33
3792	75.57 × 5.33
3793	78.74 × 5.33
3794	81.92 × 5.33
3795	82.50 × 5.33
3796	83.00 × 5.33
3797	85.09 × 5.33
3798	88.27 × 5.33
3799	89.34 × 5.33
3800	90.50 × 5.33
3801	91.44 × 5.33
3802	94.62 × 5.33
3803	95.50 × 5.33
3804	97.79 × 5.33
3805	98.02 × 5.33
3806	100.00 × 5.33
3807	100.97 × 5.33
3808	104.14 × 5.33
3809	105 × 5.33
3810	105.5 × 5.33
3811	106 × 5.33
3812	107.32 × 5.33
3813	110.49 × 5.33
3814	112 × 5.33
3815	113.67 × 5.33
3816	115 × 5.33
3817	115.5 × 5.33
3818	116 × 5.33
3819	116.84 × 5.33
3820	117.4 × 5.33
3821	120 × 5.33
3822	120.02 × 5.33
3823	120.77 × 5.33
3824	121 × 5.33
3825	123.19 × 5.33
3826	123.8 × 5.33
3827	124 × 5.33
3828	126.37 × 5.33

Code	Size (ID x CS)
3829	129.5 × 5.33
3830	129.54 × 5.33
3831	130.18 × 5.33
3832	132.72 × 5.33
3833	135 × 5.33
3834	135.89 × 5.33
3835	138.17 × 5.33
3836	139.07 × 5.33
3837	142.24 × 5.33
3838	144 × 5.33
3839	145.42 × 5.33
3840	147.07 × 5.33
3841	148.59 × 5.33
3842	151.77 × 5.33
3843	155 × 5.33
3844	158 × 5.33
3845	158.12 × 5.33
3846	164.47 × 5.33
3847	164.5 × 5.33
3848	165 × 5.33
3849	170.82 × 5.33
3850	175 × 5.33
3851	177.07 × 5.33
3852	177.17 × 5.33
3853	183.52 × 5.33
3854	185 × 5.33
3855	189 × 5.33
3856	189.87 × 5.33
3857	193 × 5.33
3858	196.22 × 5.33
3859	198 × 5.33
3860	200 × 5.33
3861	202.27 × 5.33
3862	205 × 5.33
3863	208.92 × 5.33
3864	215.27 × 5.33
3865	216 × 5.33
3866	220 × 5.33
3867	221.62 × 5.33
3868	227.97 × 5.33
3869	230 × 5.33
3870	234.32 × 5.33
3871	234.52 × 5.33
3872	240.67 × 5.33

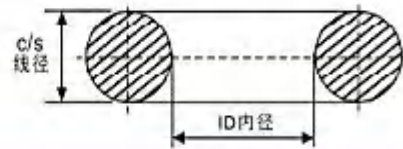


Code	Size (ID x CS)
3873	243 × 5.33
3874	245 × 5.33
3875	247.02 × 5.33
3876	250 × 5.33
3877	253.37 × 5.33
3878	258 × 5.33
3879	266.07 × 5.33
3880	266.1 × 5.33
3881	275 × 5.33
3882	278.77 × 5.33
3883	291.47 × 5.33
3884	300 × 5.33
3885	304.17 × 5.33
3886	307 × 5.33
3887	316.86 × 5.33
3888	323.85 × 5.33
3889	329.57 × 5.33
3890	345 × 5.33
3891	354.97 × 5.33
3892	359.97 × 5.33
3893	368.3 × 5.33
3894	375 × 5.33
3895	380.37 × 5.33
3896	380.59 × 5.33
3897	405.26 × 5.33
3898	422 × 5.33
3899	430.66 × 5.33
3900	437 × 5.33
3901	456.06 × 5.33
3902	481.41 × 5.33
3903	481.46 × 5.33
3904	494.66 × 5.33
3905	506.86 × 5.33
3906	523.26 × 5.33
3907	532.26 × 5.33
3908	532.28 × 5.33
3909	557.6 × 5.33
3910	557.66 × 5.33
3911	557.68 × 5.33
3912	582.68 × 5.33
3913	608.08 × 5.33
3914	633.48 × 5.33
3915	658.88 × 5.33
3916	94.5 × 5.4

Code	Size (ID x CS)
3917	18.3 × 5.5
3918	70 × 5.5
3919	10.6 × 5.7
3920	13.6 × 5.7
3921	18.6 × 5.7
3922	19.2 × 5.7
3923	19.4 × 5.7
3924	24.6 × 5.7
3925	28.6 × 5.7
3926	33.6 × 5.7
3927	38.6 × 5.7
3928	39.6 × 5.7
3929	40 × 5.7
3930	40.6 × 5.7
3931	41.6 × 5.7
3932	42.6 × 5.7
3933	43.6 × 5.7
3934	44.3 × 5.7
3935	45.6 × 5.7
3936	47 × 5.7
3937	47.6 × 5.7
3938	48.6 × 5.7
3939	49.6 × 5.7
3940	50.6 × 5.7
3941	51.6 × 5.7
3942	52.6 × 5.7
3943	53.6 × 5.7
3944	54.4 × 5.7
3945	54.6 × 5.7
3946	55.6 × 5.7
3947	56.6 × 5.7
3948	57.6 × 5.7
3949	58.6 × 5.7
3950	59.6 × 5.7
3951	59.6 × 5.7
3952	60 × 5.7
3953	61.6 × 5.7
3954	62.6 × 5.7
3955	63.6 × 5.7
3956	64.4 × 5.7
3957	64.6 × 5.7
3958	65 × 5.7
3959	66.6 × 5.7
3960	67.6 × 5.7

Code	Size (ID x CS)
3961	68.6 × 5.7
3962	69.6 × 5.7
3963	70.6 × 5.7
3964	72.6 × 5.7
3965	73.6 × 5.7
3966	74.6 × 5.7
3967	78.6 × 5.7
3968	79.4 × 5.7
3969	79.6 × 5.7
3970	83.6 × 5.7
3971	84.2 × 5.7
3972	84.6 × 5.7
3973	87 × 5.7
3974	88.6 × 5.7
3975	89.6 × 5.7
3976	90.6 × 5.7
3977	93.6 × 5.7
3978	94.6 × 5.7
3979	98.6 × 5.7
3980	99.6 × 5.7
3981	101.6 × 5.7
3982	102.6 × 5.7
3983	103.6 × 5.7
3984	104.2 × 5.7
3985	108.6 × 5.7
3986	109.6 × 5.7
3987	111.6 × 5.7
3988	113.6 × 5.7
3989	114.6 × 5.7
3990	117.6 × 5.7
3991	118.6 × 5.7
3992	119.6 × 5.7
3993	123.6 × 5.7
3994	124.6 × 5.7
3995	128.6 × 5.7
3996	129.6 × 5.7
3997	131.3 × 5.7
3998	131.6 × 5.7
3999	133.6 × 5.7
4000	134.6 × 5.7
4001	138.6 × 5.7
4002	139.6 × 5.7
4003	143.6 × 5.7
4004	144.6 × 5.7

Code	Size (ID x CS)
4005	148.6 × 5.7
4006	149.3 × 5.7
4007	149.6 × 5.7
4008	153.6 × 5.7
4009	154.3 × 5.7
4010	158.6 × 5.7
4011	159.3 × 5.7
4012	163.6 × 5.7
4013	164.3 × 5.7
4014	164.4 × 5.7
4015	165 × 5.7
4016	168.6 × 5.7
4017	169.3 × 5.7
4018	169.5 × 5.7
4019	173.6 × 5.7
4020	174.3 × 5.7
4021	178.6 × 5.7
4022	179.3 × 5.7
4023	180 × 5.7
4024	183.6 × 5.7
4025	184.3 × 5.7
4026	184.6 × 5.7
4027	185 × 5.7
4028	188.6 × 5.7
4029	189.3 × 5.7
4030	193.6 × 5.7
4031	194.3 × 5.7
4032	198.6 × 5.7
4033	199.3 × 5.7
4034	203.6 × 5.7
4035	204.6 × 5.7
4036	208.6 × 5.7
4037	209.3 × 5.7
4038	213.6 × 5.7
4039	214.3 × 5.7
4040	216.3 × 5.7
4041	218.6 × 5.7
4042	219.3 × 5.7
4043	219.6 × 5.7
4044	223.6 × 5.7
4045	224.3 × 5.7
4046	228.6 × 5.7
4047	229.3 × 5.7
4048	232.6 × 5.7

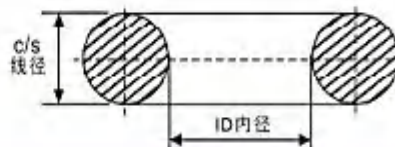


Code	Size (ID x CS)
4049	233.6 × 5.7
4050	234.6 × 5.7
4051	238.6 × 5.7
4052	239.3 × 5.7
4053	239.6 × 5.7
4054	243.6 × 5.7
4055	244.3 × 5.7
4056	248.6 × 5.7
4057	249.3 × 5.7
4058	253.6 × 5.7
4059	258.6 × 5.7
4060	259.3 × 5.7
4061	263.6 × 5.7
4062	268.6 × 5.7
4063	269.3 × 5.7
4064	272 × 5.7
4065	273 × 5.7
4066	273.6 × 5.7
4067	274 × 5.7
4068	274.6 × 5.7
4069	278.6 × 5.7
4070	279.3 × 5.7
4071	283.6 × 5.7
4072	284.3 × 5.7
4073	288.6 × 5.7
4074	289.3 × 5.7
4075	293.6 × 5.7
4076	294.3 × 5.7
4077	298.6 × 5.7
4078	299.3 × 5.7
4079	303.6 × 5.7
4080	304.3 × 5.7
4081	308.6 × 5.7
4082	309.4 × 5.7
4083	313.6 × 5.7
4084	314.3 × 5.7
4085	318.6 × 5.7
4086	319.4 × 5.7
4087	323.6 × 5.7
4088	324.3 × 5.7
4089	325 × 5.7
4090	328.6 × 5.7
4091	329.3 × 5.7
4092	333.6 × 5.7

Code	Size (ID x CS)
4093	334.3 × 5.7
4094	338.6 × 5.7
4095	339.3 × 5.7
4096	343.6 × 5.7
4097	344.3 × 5.7
4098	348.6 × 5.7
4099	349.3 × 5.7
4100	354.3 × 5.7
4101	358.6 × 5.7
4102	359.3 × 5.7
4103	364.3 × 5.7
4104	368.5 × 5.7
4105	368.6 × 5.7
4106	369.3 × 5.7
4107	374.3 × 5.7
4108	378.6 × 5.7
4109	379.3 × 5.7
4110	384.3 × 5.7
4111	384.4 × 5.7
4112	388.6 × 5.7
4113	389.3 × 5.7
4114	394.3 × 5.7
4115	398.6 × 5.7
4116	399.3 × 5.7
4117	404.3 × 5.7
4118	408.6 × 5.7
4119	409.3 × 5.7
4120	413.6 × 5.7
4121	414.3 × 5.7
4122	418.6 × 5.7
4123	419.3 × 5.7
4124	423.6 × 5.7
4125	424.3 × 5.7
4126	428.6 × 5.7
4127	429.3 × 5.7
4128	433.6 × 5.7
4129	434.3 × 5.7
4130	435 × 5.7
4131	438.6 × 5.7
4132	439.3 × 5.7
4133	443.6 × 5.7
4134	444.3 × 5.7
4135	448.6 × 5.7
4136	449.3 × 5.7

Code	Size (ID x CS)
4137	454.3 × 5.7
4138	458.6 × 5.7
4139	459.3 × 5.7
4140	460 × 5.7
4141	464.3 × 5.7
4142	468.6 × 5.7
4143	469.3 × 5.7
4144	469.5 × 5.7
4145	470 × 5.7
4146	474.3 × 5.7
4147	478.6 × 5.7
4148	479.3 × 5.7
4149	484.3 × 5.7
4150	488.6 × 5.7
4151	489.3 × 5.7
4152	494.3 × 5.7
4153	499.3 × 5.7
4154	504.3 × 5.7
4155	509.3 × 5.7
4156	514.3 × 5.7
4157	519.3 × 5.7
4158	524.3 × 5.7
4159	528.6 × 5.7
4160	529.3 × 5.7
4161	534.3 × 5.7
4162	539.3 × 5.7
4163	544.3 × 5.7
4164	545 × 5.7
4165	549.3 × 5.7
4166	554.3 × 5.7
4167	559.3 × 5.7
4168	564.3 × 5.7
4169	569.3 × 5.7
4170	574.3 × 5.7
4171	579.3 × 5.7
4172	584.3 × 5.7
4173	589.3 × 5.7
4174	593.6 × 5.7
4175	594.3 × 5.7
4176	598.6 × 5.7
4177	599.3 × 5.7
4178	609.3 × 5.7
4179	619.3 × 5.7
4180	629.3 × 5.7

Code	Size (ID x CS)
4181	639.3 × 5.7
4182	649.3 × 5.7
4183	659.3 × 5.7
4184	669.3 × 5.7
4185	679.36 × 5.7
4186	689.3 × 5.7
4187	699.3 × 5.7
4188	709.3 × 5.7
4189	719.3 × 5.7
4190	729.3 × 5.7
4191	739.3 × 5.7
4192	749.3 × 5.7
4193	759.3 × 5.7
4194	769.3 × 5.7
4195	779.3 × 5.7
4196	789.3 × 5.7
4197	799.3 × 5.7
4198	809.3 × 5.7
4199	819.3 × 5.7
4200	829.3 × 5.7
4201	839.3 × 5.7
4202	849.3 × 5.7
4203	859.3 × 5.7
4204	869.3 × 5.7
4205	879.3 × 5.7
4206	889.3 × 5.7
4207	899.3 × 5.7
4208	909.3 × 5.7
4209	919.3 × 5.7
4210	929.3 × 5.7
4211	939.3 × 5.7
4212	949.3 × 5.7
4213	959.3 × 5.7
4214	969.3 × 5.7
4215	979.3 × 5.7
4216	989.3 × 5.7
4217	999.3 × 5.7
4218	1019.3 × 5.7
4219	1039.3 × 5.7
4220	1059.3 × 5.7
4221	1079.3 × 5.7
4222	1099.3 × 5.7
4223	1119.3 × 5.7
4224	1139.3 × 5.7

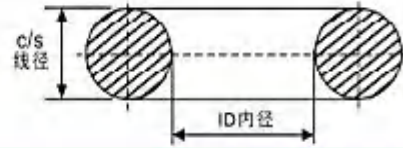


Code	Size (ID x CS)
4225	1159.3 × 5.7
4226	1179.3 × 5.7
4227	1199.3 × 5.7
4228	1239.3 × 5.7
4229	1259.3 × 5.7
4230	1279.3 × 5.7
4231	1299.3 × 5.7
4232	1319.3 × 5.7
4233	1339.3 × 5.7
4234	1359.3 × 5.7
4235	1379.3 × 5.7
4236	1399.3 × 5.7
4237	1419.3 × 5.7
4238	1439.3 × 5.7
4239	1459.3 × 5.7
4240	1479.3 × 5.7
4241	1499.3 × 5.7
4242	18 × 6
4243	19 × 6
4244	20 × 6
4245	21 × 6
4246	22 × 6
4247	23 × 6
4248	24 × 6
4249	25 × 6
4250	26 × 6
4251	27 × 6
4252	28 × 6
4253	29 × 6
4254	30 × 6
4255	31 × 6
4256	32 × 6
4257	33 × 6
4258	34 × 6
4259	35 × 6
4260	36 × 6
4261	37 × 6
4262	38 × 6
4263	39 × 6
4264	40 × 6
4265	42 × 6
4266	45 × 6
4267	46 × 6
4268	48 × 6

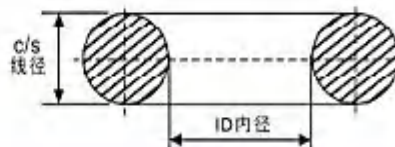
Code	Size (ID x CS)
4269	50 × 6
4270	53 × 6
4271	55 × 6
4272	56 × 6
4273	58 × 6
4274	60 × 6
4275	61 × 6
4276	65 × 6
4277	68 × 6
4278	70 × 6
4279	72 × 6
4280	73 × 6
4281	75 × 6
4282	76 × 6
4283	78 × 6
4284	80 × 6
4285	81 × 6
4286	83 × 6
4287	84 × 6
4288	85 × 6
4289	88 × 6
4290	90 × 6
4291	92 × 6
4292	93 × 6
4293	95 × 6
4294	100 × 6
4295	103 × 6
4296	105 × 6
4297	107 × 6
4298	108 × 6
4299	110 × 6
4300	111 × 6
4301	113 × 6
4302	114 × 6
4303	115 × 6
4304	117 × 6
4305	118 × 6
4306	120 × 6
4307	122 × 6
4308	125 × 6
4309	126 × 6
4310	130 × 6
4311	133 × 6
4312	135 × 6

Code	Size (ID x CS)
4313	138 × 6
4314	140 × 6
4315	141 × 6
4316	145 × 6
4317	148 × 6
4318	150 × 6
4319	153 × 6
4320	154 × 6
4321	155 × 6
4322	158 × 6
4323	160 × 6
4324	165 × 6
4325	170 × 6
4326	172 × 6
4327	175 × 6
4328	180 × 6
4329	182 × 6
4330	185 × 6
4331	186 × 6
4332	188 × 6
4333	190 × 6
4334	191 × 6
4335	193 × 6
4336	195 × 6
4337	200 × 6
4338	205 × 6
4339	206 × 6
4340	208 × 6
4341	210 × 6
4342	211 × 6
4343	212 × 6
4344	215 × 6
4345	220 × 6
4346	222 × 6
4347	225 × 6
4348	226 × 6
4349	227 × 6
4350	228 × 6
4351	230 × 6
4352	232 × 6
4353	235 × 6
4354	237 × 6
4355	238 × 6
4356	240 × 6

Code	Size (ID x CS)
4357	242 × 6
4358	243 × 6
4359	245 × 6
4360	247 × 6
4361	248 × 6
4362	249 × 6
4363	250 × 6
4364	252 × 6
4365	255 × 6
4366	256 × 6
4367	257 × 6
4368	258 × 6
4369	259 × 6
4370	260 × 6
4371	262 × 6
4372	265 × 6
4373	267 × 6
4374	268 × 6
4375	270 × 6
4376	272 × 6
4377	275 × 6
4378	276 × 6
4379	277 × 6
4380	280 × 6
4381	282 × 6
4382	287 × 6
4383	290 × 6
4384	292 × 6
4385	295 × 6
4386	297 × 6
4387	299 × 6
4388	300 × 6
4389	302 × 6
4390	305 × 6
4391	307 × 6
4392	310 × 6
4393	312 × 6
4394	315 × 6
4395	317 × 6
4396	320 × 6
4397	321 × 6
4398	326 × 6
4399	328 × 6
4400	330 × 6



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
4401	331 × 6	4445	470 × 6	4489	129.50 × 6.99	4533	380.37 × 6.99
4402	335 × 6	4446	540 × 6	4490	129.54 × 6.99	4534	393.07 × 6.99
4403	336 × 6	4447	560 × 6	4491	132.72 × 6.99	4535	405.26 × 6.99
4404	340 × 6	4448	85 × 6.3	4492	135.89 × 6.99	4536	413.60 × 6.99
4405	341 × 6	4449	313 × 6.3	4493	139.07 × 6.99	4537	417.96 × 6.99
4406	345 × 6	4450	11 × 6.5	4494	142.42 × 6.99	4538	430.66 × 6.99
4407	346 × 6	4451	31.5 × 6.5	4495	145.59 × 6.99	4539	443.36 × 6.99
4408	350 × 6	4452	148.6 × 6.5	4496	148.59 × 6.99	4540	456.06 × 6.99
4409	351 × 6	4453	214.3 × 6.7	4497	151.77 × 6.99	4541	468.76 × 6.99
4410	356 × 6	4454	244.3 × 6.7	4498	156.12 × 6.99	4542	481.46 × 6.99
4411	358 × 6	4455	34.29 × 6.99	4499	158.12 × 6.99	4543	494.16 × 6.99
4412	360 × 6	4456	37.47 × 6.99	4500	164.47 × 6.99	4544	494.20 × 6.99
4413	361 × 6	4457	40.64 × 6.99	4501	164.50 × 6.99	4545	506.86 × 6.99
4414	366 × 6	4458	43.82 × 6.99	4502	167.47 × 6.99	4546	532.26 × 6.99
4415	368 × 6	4459	46.99 × 6.99	4503	170.82 × 6.99	4547	552.24 × 6.99
4416	370 × 6	4460	50.17 × 6.99	4504	177.17 × 6.99	4548	557.66 × 6.99
4417	371 × 6	4461	53.34 × 6.99	4505	183.52 × 6.99	4549	557.68 × 6.99
4418	376 × 6	4462	56.52 × 6.99	4506	186.02 × 6.99	4550	582.68 × 6.99
4419	380 × 6	4463	59.69 × 6.99	4507	189.87 × 6.99	4551	608.08 × 6.99
4420	381 × 6	4464	62.87 × 6.99	4508	196.22 × 6.99	4552	633.48 × 6.99
4421	386 × 6	4465	66.04 × 6.99	4509	202.27 × 6.99	4553	658.88 × 6.99
4422	390 × 6	4466	69.22 × 6.99	4510	211.02 × 6.99	4554	16 × 7
4423	391 × 6	4467	72.39 × 6.99	4511	215.27 × 6.99	4555	17 × 7
4424	396 × 6	4468	75.57 × 6.99	4512	217.00 × 6.99	4556	18 × 7
4425	400 × 6	4469	78.50 × 6.99	4513	227.97 × 6.99	4557	19 × 7
4426	401 × 6	4470	78.74 × 6.99	4514	230.50 × 6.99	4558	20 × 7
4427	406 × 6	4471	81.92 × 6.99	4515	234.32 × 6.99	4559	21 × 7
4428	410 × 6	4472	85.09 × 6.99	4516	240.67 × 6.99	4560	22 × 7
4429	411 × 6	4473	88.27 × 6.99	4517	247.01 × 6.99	4561	23 × 7
4430	416 × 6	4474	91.44 × 6.99	4518	250.00 × 6.99	4562	24 × 7
4431	420 × 6	4475	94.62 × 6.99	4519	253.37 × 6.99	4563	25 × 7
4432	421 × 6	4476	96.00 × 6.99	4520	259.00 × 6.99	4564	26 × 7
4433	425 × 6	4477	97.79 × 6.99	4521	266.07 × 6.99	4565	27 × 7
4434	430 × 6	4478	100.97 × 6.99	4522	278.77 × 6.99	4566	28 × 7
4435	430 × 6	4479	104.10 × 6.99	4523	285.11 × 6.99	4567	29 × 7
4436	435 × 6	4480	107.32 × 6.99	4524	291.47 × 6.99	4568	30 × 7
4437	440 × 6	4481	107.50 × 6.99	4525	295.50 × 6.99	4569	31 × 7
4438	445 × 6	4482	110.49 × 6.99	4526	297.82 × 6.99	4570	32 × 7
4439	445 × 6	4483	113.67 × 6.99	4527	304.17 × 6.99	4571	33 × 7
4440	450 × 6	4484	116.84 × 6.99	4528	316.87 × 6.99	4572	34 × 7
4441	455 × 6	4485	120.02 × 6.99	4529	329.57 × 6.99	4573	35 × 7
4442	460 × 6	4486	123.19 × 6.99	4530	342.27 × 6.99	4574	36 × 7
4443	465 × 6	4487	125.00 × 6.99	4531	354.97 × 6.99	4575	37 × 7
4444	468 × 6	4488	126.37 × 6.99	4532	367.67 × 6.99	4576	38 × 7

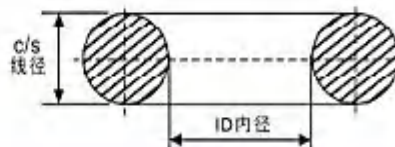


Code	Size (ID x CS)
4577	39 x 7
4578	40 x 7
4579	41 x 7
4580	42 x 7
4581	43 x 7
4582	44 x 7
4583	45 x 7
4584	46 x 7
4585	47 x 7
4586	48 x 7
4587	49 x 7
4588	50 x 7
4589	51 x 7
4590	52 x 7
4591	53 x 7
4592	54 x 7
4593	55 x 7
4594	56 x 7
4595	58 x 7
4596	59 x 7
4597	60 x 7
4598	61 x 7
4599	62 x 7
4600	63 x 7
4601	64 x 7
4602	65 x 7
4603	66 x 7
4604	67 x 7
4605	68 x 7
4606	69 x 7
4607	70 x 7
4608	71 x 7
4609	75 x 7
4610	76 x 7
4611	77.5 x 7
4612	78 x 7
4613	80 x 7
4614	81 x 7
4615	82 x 7
4616	83 x 7
4617	85 x 7
4618	86 x 7
4619	87 x 7
4620	88 x 7

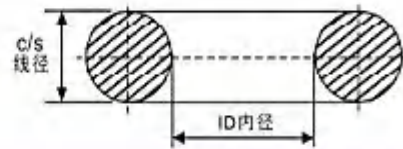
Code	Size (ID x CS)
4621	90 x 7
4622	91 x 7
4623	92 x 7
4624	93 x 7
4625	95 x 7
4626	96 x 7
4627	97 x 7
4628	98 x 7
4629	100 x 7
4630	101 x 7
4631	103 x 7
4632	104 x 7
4633	105 x 7
4634	106 x 7
4635	107 x 7
4636	108 x 7
4637	109 x 7
4638	110 x 7
4639	112 x 7
4640	113 x 7
4641	114 x 7
4642	115 x 7
4643	116 x 7
4644	117 x 7
4645	118 x 7
4646	120 x 7
4647	122 x 7
4648	125 x 7
4649	126 x 7
4650	128 x 7
4651	130 x 7
4652	132 x 7
4653	135 x 7
4654	136 x 7
4655	138 x 7
4656	140 x 7
4657	142.5 x 7
4658	145 x 7
4659	147.5 x 7
4660	148 x 7
4661	148.5 x 7
4662	150 x 7
4663	152.5 x 7
4664	155 x 7

Code	Size (ID x CS)
4665	156 x 7
4666	157.5 x 7
4667	160 x 7
4668	162.5 x 7
4669	164 x 7
4670	165 x 7
4671	167.5 x 7
4672	170 x 7
4673	172.5 x 7
4674	175 x 7
4675	176 x 7
4676	177.5 x 7
4677	180 x 7
4678	180.5 x 7
4679	183 x 7
4680	185 x 7
4681	186 x 7
4682	187.5 x 7
4683	188 x 7
4684	190 x 7
4685	195 x 7
4686	197 x 7
4687	198 x 7
4688	200 x 7
4689	203 x 7
4690	205 x 7
4691	206 x 7
4692	207.5 x 7
4693	208 x 7
4694	210 x 7
4695	211 x 7
4696	212 x 7
4697	215 x 7
4698	216 x 7
4699	217 x 7
4700	218 x 7
4701	220 x 7
4702	222 x 7
4703	224 x 7
4704	225 x 7
4705	227 x 7
4706	229 x 7
4707	230 x 7
4708	235 x 7

Code	Size (ID x CS)
4709	236 x 7
4710	237 x 7
4711	237.5 x 7
4712	240 x 7
4713	241 x 7
4714	242 x 7
4715	243 x 7
4716	245 x 7
4717	249.5 x 7
4718	250 x 7
4719	254 x 7
4720	255 x 7
4721	258 x 7
4722	259 x 7
4723	260 x 7
4724	261 x 7
4725	265 x 7
4726	268 x 7
4727	270 x 7
4728	271 x 7
4729	272 x 7
4730	275 x 7
4731	276 x 7
4732	280 x 7
4733	283 x 7
4734	285 x 7
4735	286 x 7
4736	290 x 7
4737	292 x 7
4738	295 x 7
4739	300 x 7
4740	303 x 7
4741	305 x 7
4742	307 x 7
4743	310 x 7
4744	311 x 7
4745	315 x 7
4746	316 x 7
4747	320 x 7
4748	325 x 7
4749	330 x 7
4750	335 x 7
4751	340 x 7
4752	345 x 7



Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)	Code	Size (ID x CS)
4753	350 × 7	4797	502 × 7	4841	140 × 8.4	4885	344.5 × 8.4
4754	355 × 7	4798	508 × 7	4842	144.1 × 8.4	4886	349.5 × 8.4
4755	360 × 7	4799	510 × 7	4843	149.5 × 8.4	4887	354.5 × 8.4
4756	365 × 7	4800	515 × 7	4844	154.5 × 8.4	4888	359.5 × 8.4
4757	370 × 7	4801	520 × 7	4845	159.5 × 8.4	4889	364.5 × 8.4
4758	375 × 7	4802	523 × 7	4846	164.5 × 8.4	4890	369.5 × 8.4
4759	379 × 7	4803	530 × 7	4847	169.5 × 8.4	4891	374.5 × 8.4
4760	380 × 7	4804	540 × 7	4848	174.5 × 8.4	4892	379.5 × 8.4
4761	383 × 7	4805	545 × 7	4849	179.5 × 8.4	4893	384.5 × 8.4
4762	385 × 7	4806	550 × 7	4850	184.5 × 8.4	4894	389.5 × 8.4
4763	387 × 7	4807	560 × 7	4851	189.5 × 8.4	4895	394.5 × 8.4
4764	390 × 7	4808	566 × 7	4852	194.5 × 8.4	4896	399.5 × 8.4
4765	391 × 7	4809	570 × 7	4853	199.5 × 8.4	4897	404.5 × 8.4
4766	393 × 7	4810	575 × 7	4854	204.5 × 8.4	4898	409.5 × 8.4
4767	395 × 7	4811	580 × 7	4855	208.5 × 8.4	4899	410.5 × 8.4
4768	400 × 7	4812	54 × 7.3	4856	209.5 × 8.4	4900	414.5 × 8.4
4769	406 × 7	4813	278.77 × 7.49	4857	214.5 × 8.4	4901	419.5 × 8.4
4770	410 × 7	4814	45 × 7.5	4858	219.5 × 8.4	4902	424.5 × 8.4
4771	412 × 7	4815	60 × 7.5	4859	224.5 × 8.4	4903	429.5 × 8.4
4772	418 × 7	4816	130 × 7.5	4860	229.5 × 8.4	4904	434 × 8.4
4773	420 × 7	4817	16 × 7.5	4861	230 × 8.4	4905	434.5 × 8.4
4774	425 × 7	4818	29 × 7.5	4862	234.5 × 8.4	4906	439.5 × 8.4
4775	428 × 7	4819	62 × 7.5	4863	239.5 × 8.4	4907	444.5 × 8.4
4776	429 × 7	4820	64 × 7.5	4864	244.5 × 8.4	4908	449.5 × 8.4
4777	430 × 7	4821	70 × 7.5	4865	249.5 × 8.4	4909	454.5 × 8.4
4778	433 × 7	4822	77 × 7.5	4866	254.5 × 8.4	4910	459 × 8.4
4779	437 × 7	4823	96 × 8	4867	259.5 × 8.4	4911	459.5 × 8.4
4780	440 × 7	4824	110 × 8	4868	264.5 × 8.4	4912	464.5 × 8.4
4781	443 × 7	4825	112 × 8	4869	269.5 × 8.4	4913	469.5 × 8.4
4782	450 × 7	4826	162 × 8	4870	274.5 × 8.4	4914	474.5 × 8.4
4783	456 × 7	4827	208 × 8	4871	279.5 × 8.4	4915	479.5 × 8.4
4784	460 × 7	4828	250 × 8	4872	284.5 × 8.4	4916	484.5 × 8.4
4785	462 × 7	4829	260 × 8	4873	289.5 × 8.4	4917	485 × 8.4
4786	466 × 7	4830	265 × 8	4874	294.5 × 8.4	4918	489.5 × 8.4
4787	470 × 7	4831	271 × 8	4875	299.5 × 8.4	4919	494.5 × 8.4
4788	475 × 7	4832	380 × 8	4876	304.5 × 8.4	4920	499.5 × 8.4
4789	476 × 7	4833	410 × 8	4877	309.5 × 8.4	4921	504.5 × 8.4
4790	479 × 7	4834	435 × 8	4878	314.5 × 8.4	4922	509.5 × 8.4
4791	480 × 7	4835	539 × 8	4879	319.5 × 8.4	4923	514.5 × 8.4
4792	483 × 7	4836	99.5 × 8.4	4880	324.1 × 8.4	4924	519.5 × 8.4
4793	487 × 7	4837	114.5 × 8.4	4881	324.5 × 8.4	4925	523.85 × 8.4
4794	490 × 7	4838	123.2 × 8.4	4882	329.5 × 8.4	4926	524.5 × 8.4
4795	493 × 7	4839	129.5 × 8.4	4883	334.5 × 8.4	4927	529.5 × 8.4
4796	500 × 7	4840	139.5 × 8.4	4884	339.5 × 8.4	4928	530 × 8.4

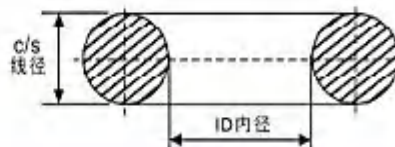


Code	Size (ID x CS)
4929	534 × 8.4
4930	534.5 × 8.4
4931	539.5 × 8.4
4932	544.5 × 8.4
4933	545.5 × 8.4
4934	549.5 × 8.4
4935	554.5 × 8.4
4936	559.5 × 8.4
4937	564.5 × 8.4
4938	569.5 × 8.4
4939	574.5 × 8.4
4940	579.5 × 8.4
4941	584.5 × 8.4
4942	589.5 × 8.4
4943	594.5 × 8.4
4944	599.5 × 8.4
4945	609.5 × 8.4
4946	619.5 × 8.4
4947	629.5 × 8.4
4948	639.5 × 8.4
4949	649.5 × 8.4
4950	659.5 × 8.4
4951	669.5 × 8.4
4952	679.5 × 8.4
4953	689.5 × 8.4
4954	699.5 × 8.4
4955	709.5 × 8.4
4956	719.5 × 8.4
4957	729.5 × 8.4
4958	739.5 × 8.4
4959	749.5 × 8.4
4960	759.5 × 8.4
4961	769.5 × 8.4
4962	779.5 × 8.4
4963	789.5 × 8.4
4964	799.5 × 8.4
4965	809.5 × 8.4
4966	819.5 × 8.4
4967	829.5 × 8.4
4968	839.5 × 8.4
4969	849.5 × 8.4
4970	859.5 × 8.4
4971	869.5 × 8.4
4972	879.5 × 8.4

Code	Size (ID x CS)
4973	889.5 × 8.4
4974	999.5 × 8.4
4975	1019.5 × 8.4
4976	1039.5 × 8.4
4977	1059.5 × 8.4
4978	1079.5 × 8.4
4979	1099.5 × 8.4
4980	1119.5 × 8.4
4981	1139.5 × 8.4
4982	1159.5 × 8.4
4983	1179.5 × 8.4
4984	1199.5 × 8.4
4985	1219.5 × 8.4
4986	1239.5 × 8.4
4987	1259.5 × 8.4
4988	1279.5 × 8.4
4989	1299.5 × 8.4
4990	1319.5 × 8.4
4991	1339.5 × 8.4
4992	1359.5 × 8.4
4993	1379.5 × 8.4
4994	1399.5 × 8.4
4995	1419.5 × 8.4
4996	1439.5 × 8.4
4997	1459.5 × 8.4
4998	1479.5 × 8.4
4999	1499.5 × 8.4
5000	67.8 × 8.6
5001	72.8 × 8.6
5002	82.8 × 8.6
5003	92.8 × 8.6
5004	96 × 8.6
5005	97.8 × 8.6
5006	102.8 × 8.6
5007	104.1 × 8.6
5008	107.8 × 8.6
5009	110 × 8.6
5010	112.8 × 8.6
5011	114.1 × 8.6
5012	115 × 8.6
5013	117.8 × 8.6
5014	119.1 × 8.6
5015	120 × 8.6
5016	122.8 × 8.6

Code	Size (ID x CS)
5017	125 × 8.6
5018	127.8 × 8.6
5019	130 × 8.6
5020	132.8 × 8.6
5021	137.8 × 8.6
5022	142.8 × 8.6
5023	144.1 × 8.6
5024	147.8 × 8.6
5025	150 × 8.6
5026	152.8 × 8.6
5027	154.1 × 8.6
5028	155 × 8.6
5029	157.8 × 8.6
5030	159.1 × 8.6
5031	160 × 8.6
5032	162.8 × 8.6
5033	167.8 × 8.6
5034	169.1 × 8.6
5035	172.8 × 8.6
5036	175 × 8.6
5037	177.8 × 8.6
5038	182.8 × 8.6
5039	184.1 × 8.6
5040	187.8 × 8.6
5041	190 × 8.6
5042	192.8 × 8.6
5043	194.1 × 8.6
5044	195 × 8.6
5045	197.8 × 8.6
5046	202.8 × 8.6
5047	207.8 × 8.6
5048	209.1 × 8.6
5049	210 × 8.6
5050	212.8 × 8.6
5051	214.1 × 8.6
5052	215 × 8.6
5053	217.8 × 8.6
5054	219.1 × 8.6
5055	222.8 × 8.6
5056	224.1 × 8.6
5057	225 × 8.6
5058	227.8 × 8.6
5059	229.6 × 8.6
5060	232.8 × 8.6

Code	Size (ID x CS)
5061	234.1 × 8.6
5062	234.5 × 8.6
5063	237.8 × 8.6
5064	240 × 8.6
5065	242.8 × 8.6
5066	243.8 × 8.6
5067	245 × 8.6
5068	247.8 × 8.6
5069	250 × 8.6
5070	252.8 × 8.6
5071	255 × 8.6
5072	257.8 × 8.6
5073	259 × 8.6
5074	259.1 × 8.6
5075	260 × 8.6
5076	262.8 × 8.6
5077	264.1 × 8.6
5078	267.8 × 8.6
5079	272.8 × 8.6
5080	274.1 × 8.6
5081	277.8 × 8.6
5082	279.1 × 8.6
5083	282.8 × 8.6
5084	287.8 × 8.6
5085	292.8 × 8.6
5086	297.8 × 8.6
5087	302.8 × 8.6
5088	304.3 × 8.6
5089	307.8 × 8.6
5090	312.8 × 8.6
5091	314.3 × 8.6
5092	317.8 × 8.6
5093	322.8 × 8.6
5094	324.3 × 8.6
5095	327.8 × 8.6
5096	332.8 × 8.6
5097	337.8 × 8.6
5098	340 × 8.6
5099	342.8 × 8.6
5100	344.3 × 8.6
5101	347.8 × 8.6
5102	352.8 × 8.6
5103	354.3 × 8.6
5104	357.8 × 8.6



Code	Size (ID x CS)
5105	362.8 × 8.6
5106	365 × 8.6
5107	367.8 × 8.6
5108	372.8 × 8.6
5109	374.3 × 8.6
5110	374.5 × 8.6
5111	377.8 × 8.6
5112	382.8 × 8.6
5113	384.3 × 8.6
5114	387.8 × 8.6
5115	389.3 × 8.6
5116	392.8 × 8.6
5117	394.3 × 8.6
5118	397.8 × 8.6
5119	402.8 × 8.6
5120	405 × 8.6
5121	407.8 × 8.6
5122	412.8 × 8.6
5123	414.3 × 8.6
5124	415.8 × 8.6
5125	417.8 × 8.6
5126	422.8 × 8.6
5127	424.3 × 8.6
5128	432.8 × 8.6
5129	434.3 × 8.6
5130	437.8 × 8.6
5131	442.8 × 8.6
5132	447.8 × 8.6
5133	452.8 × 8.6
5134	457.8 × 8.6
5135	462.8 × 8.6
5136	464.3 × 8.6
5137	467.8 × 8.6
5138	472.8 × 8.6
5139	474.3 × 8.6
5140	477.8 × 8.6
5141	482.6 × 8.6
5142	482.8 × 8.6
5143	492.8 × 8.6
5144	502.8 × 8.6
5145	504.3 × 8.6
5146	512.8 × 8.6
5147	514.3 × 8.6
5148	517.8 × 8.6

Code	Size (ID x CS)
5149	522 × 8.6
5150	522.8 × 8.6
5151	527.8 × 8.6
5152	532.8 × 8.6
5153	542.8 × 8.6
5154	544.3 × 8.6
5155	552.8 × 8.6
5156	554.3 × 8.6
5157	562.8 × 8.6
5158	572.8 × 8.6
5159	582.8 × 8.6
5160	365.12 × 8.75
5161	215 × 9
5162	302 × 9
5163	145 × 9.5
5164	206 × 9.5
5165	66.68 × 9.53
5166	209 × 9.7
5167	40.25 × 10
5168	45.62 × 10
5169	48 × 10
5170	50 × 10
5171	55 × 10
5172	58 × 10
5173	60 × 10
5174	65 × 10
5175	67 × 10
5176	70 × 10
5177	72 × 10
5178	74 × 10
5179	75 × 10
5180	80 × 10
5181	81 × 10
5182	84 × 10
5183	85 × 10
5184	90 × 10
5185	92 × 10
5186	99 × 10
5187	100 × 10
5188	108 × 10
5189	110 × 10
5190	112 × 10
5191	120 × 10
5192	128 × 10

Code	Size (ID x CS)
5193	130 × 10
5194	137 × 10
5195	138 × 10
5196	140 × 10
5197	145 × 10
5198	150 × 10
5199	155 × 10
5200	160 × 10
5201	162 × 10
5202	164 × 10
5203	166 × 10
5204	170 × 10
5205	180 × 10
5206	190 × 10
5207	200 × 10
5208	210 × 10
5209	220 × 10
5210	230 × 10
5211	240 × 10
5212	250 × 10
5213	255 × 10
5214	260 × 10
5215	264 × 10
5216	270 × 10
5217	280 × 10
5218	290 × 10
5219	300 × 10
5220	310 × 10
5221	320 × 10
5222	330 × 10
5223	340 × 10
5224	350 × 10
5225	360 × 10
5226	370 × 10
5227	380 × 10
5228	390 × 10
5229	400 × 10
5230	410 × 10
5231	420 × 10
5232	430 × 10
5233	440 × 10
5234	450 × 10
5235	460 × 10
5236	470 × 10

Code	Size (ID x CS)
5237	470 × 10
5238	480 × 10
5239	490 × 10
5240	500 × 10
5241	520 × 10
5242	535 × 10
5243	569 × 10
5244	580 × 10
5245	87 × 10.75
5246	130 × 11
5247	160 × 11
5248	155 × 12
5249	178 × 12
5250	342 × 12
5251	545 × 12
5252	305 × 12.7
5253	350 × 13

# 0型圈/星型圈

## O-ring/X-ring (AS568)

星型密封圈是四唇口密封. 形状类似X, 因此又称为X型圈. 它是在O型圈的基础上性能又做了改进和提高, 其标准尺寸完全与美国AS568A标准O型圈规格相同. 可代替大部份O型圈场合.

The star seal is a four lip seal. The shape is similar to X, so it is also called the X ring. It is based on the O ring. The performance is also imported and improved, its standard size is completely with the AS568A standard O ring specifications of the United States  
It is the same. It can replace most O ring occasions.



# X-Ring | O型圈/星型圈 (美标)

O-ring/X-ring (AS568)



型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S
AS-001	0.74	1.02	AS-041	75.92	1.78	AS-134	47.29	2.62	AS-174	221.92	2.62
AS-002	1.07	1.27	AS-042	82.27	1.78	AS-135	48.90	2.62	AS-175	228.27	2.62
AS-003	1.42	1.52	AS-043	88.62	1.78	AS-136	50.47	2.62	AS-176	234.62	2.62
AS-004	1.78	1.78	AS-044	94.97	1.78	AS-137	52.07	2.62	AS-177	240.98	2.62
AS-005	2.57	1.78	AS-045	101.34	1.78	AS-138	53.65	2.62	AS-178	247.32	2.62
AS-006	2.90	1.78	AS-046	107.67	1.78	AS-139	55.25	2.62	AS-179	253.67	2.62
AS-007	3.68	1.78	AS-047	114.02	1.78	AS-140	56.82	2.62	AS-201	4.34	3.53
AS-008	4.47	1.78	AS-048	120.40	1.78	AS-141	58.42	2.62	AS-202	5.94	3.53
AS-009	5.29	1.78	AS-049	126.72	1.78	AS-142	60.00	2.62	AS-203	7.52	3.53
AS-010	6.07	1.78	AS-050	133.07	1.78	AS-143	61.60	2.62	AS-204	9.12	3.53
AS-011	7.65	1.78	AS-104	2.84	2.62	AS-144	63.17	2.62	AS-205	10.69	3.53
AS-012	9.25	1.78	AS-105	3.63	2.62	AS-145	64.77	2.62	AS-206	12.29	3.53
AS-013	10.82	1.78	AS-106	4.42	2.62	AS-146	66.34	2.62	AS-207	13.87	3.53
AS-014	12.42	1.78	AS-107	5.23	2.62	AS-147	67.95	2.62	AS-208	15.47	3.53
AS-015	14.00	1.78	AS-108	6.02	2.62	AS-148	69.53	2.62	AS-209	17.04	3.53
AS-016	15.60	1.78	AS-109	7.60	2.62	AS-149	71.12	2.62	AS-210	18.64	3.53
AS-017	17.17	1.78	AS-110	9.19	2.62	AS-150	72.69	2.62	AS-211	20.22	3.53
AS-018	18.77	1.78	AS-111	10.78	2.62	AS-151	75.88	2.62	AS-212	21.82	3.53
AS-019	20.35	1.78	AS-112	12.37	2.62	AS-152	82.22	2.62	AS-213	23.40	3.53
AS-020	21.95	1.78	AS-113	13.95	2.62	AS-153	88.57	2.62	AS-214	24.99	3.53
AS-021	23.52	1.78	AS-114	15.54	2.62	AS-154	94.93	2.62	AS-215	26.58	3.53
AS-022	25.12	1.78	AS-115	17.12	2.62	AS-155	101.27	2.62	AS-216	28.17	3.53
AS-023	26.70	1.78	AS-116	18.72	2.62	AS-156	107.63	2.62	AS-217	29.75	3.53
AS-024	28.30	1.78	AS-117	20.29	2.62	AS-157	113.97	2.62	AS-218	31.34	3.53
AS-025	29.87	1.78	AS-118	21.89	2.62	AS-158	120.32	2.62	AS-219	32.93	3.53
AS-026	31.47	1.78	AS-119	23.47	2.62	AS-159	126.67	2.62	AS-220	34.52	3.53
AS-027	33.05	1.78	AS-120	25.07	2.62	AS-160	133.02	2.62	AS-221	36.09	3.53
AS-028	34.65	1.78	AS-121	26.65	2.62	AS-161	139.37	2.62	AS-222	37.70	3.53
AS-029	37.82	1.78	AS-122	28.25	2.62	AS-162	145.62	2.62	AS-223	40.87	3.53
AS-030	41.00	1.78	AS-123	29.84	2.62	AS-163	152.07	2.62	AS-224	44.04	3.53
AS-031	44.17	1.78	AS-124	31.42	2.62	AS-164	158.43	2.62	AS-225	47.22	3.53
AS-032	47.35	1.78	AS-125	32.99	2.62	AS-165	164.77	2.62	AS-226	50.40	3.53
AS-033	50.52	1.78	AS-126	34.60	2.62	AS-166	171.13	2.62	AS-227	53.57	3.53
AS-034	53.67	1.78	AS-127	36.17	2.62	AS-167	177.47	2.62	AS-228	56.74	3.53
AS-035	56.87	1.78	AS-128	37.77	2.62	AS-168	183.82	2.62	AS-229	59.92	3.53
AS-036	60.04	1.78	AS-129	39.35	2.62	AS-169	190.17	2.62	AS-230	63.09	3.53
AS-037	63.22	1.78	AS-130	40.95	2.62	AS-170	196.53	2.62	AS-231	66.27	3.53
AS-038	66.40	1.78	AS-131	42.52	2.62	AS-171	202.87	2.62	AS-232	69.44	3.53
AS-039	69.57	1.78	AS-132	44.12	2.62	AS-172	209.22	2.62	AS-233	72.62	3.53
AS-040	72.75	1.78	AS-133	45.69	2.62	AS-173	215.57	2.62	AS-234	75.80	3.53

## O型圈/星型圈 (美标) | X-Ring

O-ring/X-ring (AS568)



型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S	型号 CODE	内径 ID	线径 C/S
AS-235	78.97	3.53	AS-275	266.30	3.53	AS-339	81.92	5.33	AS-379	278.77	5.33
AS-236	82.14	3.53	AS-276	278.99	3.53	AS-340	85.09	5.33	AS-380	291.47	5.33
AS-237	85.32	3.53	AS-277	291.69	3.53	AS-341	88.27	5.33	AS-381	304.17	5.33
AS-238	88.5	3.53	AS-278	304.39	3.53	AS-342	91.44	5.33	AS-382	329.57	5.33
AS-239	91.67	3.53	AS-279	329.79	3.53	AS-343	94.62	5.33	AS-383	354.97	5.33
AS-240	94.84	3.53	AS-280	355.19	3.53	AS-344	97.80	5.33	AS-384	380.37	5.33
AS-241	98.02	3.53	AS-281	380.59	3.53	AS-345	100.97	5.33	AS-385	405.25	5.33
AS-242	101.2	3.53	AS-282	405.26	3.53	AS-346	104.14	5.33	AS-386	430.66	5.33
AS-243	104.4	3.53	AS-283	430.66	3.53	AS-347	107.32	5.33	AS-387	456.06	5.33
AS-244	107.54	3.53	AS-284	456.06	3.53	AS-348	110.50	5.33	AS-388	481.41	5.33
AS-245	110.7	3.53	AS-309	10.46	5.33	AS-349	113.67	5.33	AS-389	506.81	5.33
AS-246	113.9	3.53	AS-310	12.07	5.33	AS-350	116.84	5.33	AS-390	532.21	5.33
AS-247	117.1	3.53	AS-311	13.64	5.33	AS-351	120.02	5.33	AS-391	557.61	5.33
AS-248	120.24	3.53	AS-312	15.24	5.33	AS-352	123.19	5.33	AS-392	582.68	5.33
AS-249	123.4	3.53	AS-313	16.81	5.33	AS-353	126.37	5.33	AS-393	608.08	5.33
AS-250	126.59	3.53	AS-314	18.42	5.33	AS-354	129.54	5.33	AS-394	633.48	5.33
AS-251	129.77	3.53	AS-315	20.00	5.33	AS-355	132.72	5.33	AS-395	658.88	5.33
AS-252	132.94	3.53	AS-316	21.59	5.33	AS-356	135.89	5.33	AS-400	34.29	6.99
AS-253	136.12	3.53	AS-317	23.17	5.33	AS-357	139.07	5.33	AS-401	37.47	6.99
AS-254	139.3	3.53	AS-318	24.77	5.33	AS-358	142.24	5.33	AS-402	40.64	6.99
AS-255	142.47	3.53	AS-319	26.34	5.33	AS-359	145.42	5.33	AS-403	43.82	6.99
AS-256	145.65	3.53	AS-320	27.94	5.33	AS-360	148.59	5.33	AS-404	46.99	6.99
AS-257	148.82	3.53	AS-321	29.51	5.33	AS-361	151.77	5.33	AS-405	50.17	6.99
AS-258	152	3.53	AS-322	31.12	5.33	AS-362	158.11	5.33	AS-406	53.34	6.99
AS-259	158.3	3.53	AS-323	32.69	5.33	AS-363	164.47	5.33	AS-407	56.52	6.99
AS-260	164.7	3.53	AS-324	34.29	5.33	AS-364	170.82	5.33	AS-408	59.69	6.99
AS-261	171.05	3.53	AS-325	37.47	5.33	AS-365	177.15	5.33	AS-409	62.87	6.99
AS-262	177.4	3.53	AS-326	40.65	5.33	AS-366	183.50	5.33	AS-410	66.04	6.99
AS-263	183.75	3.53	AS-327	43.82	5.33	AS-367	189.86	5.33	AS-411	69.22	6.99
AS-264	190.1	3.53	AS-328	46.99	5.33	AS-368	196.22	5.33	AS-412	72.39	6.99
AS-265	196.45	3.53	AS-329	50.16	5.33	AS-369	202.57	5.33	AS-413	75.57	6.99
AS-266	202.8	3.53	AS-330	53.34	5.33	AS-370	208.92	5.33	AS-414	78.74	6.99
AS-267	209.15	3.53	AS-331	56.52	5.33	AS-371	215.27	5.33	AS-415	81.92	6.99
AS-268	215.5	3.53	AS-332	59.70	5.33	AS-372	221.62	5.33	AS-416	85.09	6.99
AS-269	221.84	3.53	AS-333	62.87	5.33	AS-373	227.97	5.33	AS-417	88.27	6.99
AS-270	228.19	3.53	AS-334	66.04	5.33	AS-374	234.32	5.33	AS-418	91.44	6.99
AS-271	234.54	3.53	AS-335	69.22	5.33	AS-375	240.67	5.33	AS-419	94.62	6.99
AS-272	240.89	3.53	AS-336	72.39	5.33	AS-376	247.02	5.33	AS-420	97.79	6.99
AS-273	247.25	3.53	AS-337	75.57	5.33	AS-377	253.37	5.33	AS-421	100.97	6.99
AS-274	253.60	3.53	AS-338	78.74	5.33	AS-378	266.06	5.33	AS-422	104.14	6.99

# X-Ring | O型圈/星型圈 (美标)

O-ring/X-ring (AS568)



型号 CODE	内径 ID	线径 C/S
AS-423	107.32	6.99
AS-424	110.49	6.99
AS-425	113.67	6.99
AS-426	116.84	6.99
AS-427	120.02	6.99
AS-428	123.19	6.99
AS-429	126.37	6.99
AS-430	129.54	6.99
AS-431	132.72	6.99
AS-432	135.89	6.99
AS-433	139.07	6.99
AS-434	142.24	6.99
AS-435	145.42	6.99
AS-436	148.59	6.99
AS-437	151.77	6.99
AS-438	158.12	6.99
AS-439	164.47	6.99
AS-440	170.82	6.99

型号 C CODE	内径 ID	线径 C/S
AS-441	177.17	6.99
AS-442	183.52	6.99
AS-443	189.587	6.99
AS-444	196.22	6.99
AS-445	202.57	6.99
AS-446	215.27	6.99
AS-447	227.97	6.99
AS-448	240.67	6.99
AS-449	253.37	6.99
AS-450	266.07	6.99
AS-451	278.77	6.99
AS-452	291.47	6.99
AS-453	304.17	6.99
AS-454	316.87	6.99
AS-455	329.57	6.99
AS-456	342.27	6.99
AS-457	354.97	6.99
AS-458	367.67	6.99

型号 CODE	内径 ID	线径 C/S
AS-459	380.37	6.99
AS-460	393.07	6.99
AS-461	405.26	6.99
AS-462	417.96	6.99
AS-463	430.66	6.99
AS-464	443.36	6.99
AS-465	456.06	6.99
AS-466	468.76	6.99
AS-467	481.46	6.99
AS-468	494.16	6.99
AS-469	506.86	6.99
AS-470	532.26	6.99
AS-471	557.66	6.99
AS-472	582.68	6.99
AS-473	608.08	6.99
AS-474	633.48	6.99
AS-901	4.70	1.42
AS-902	6.07	1.63

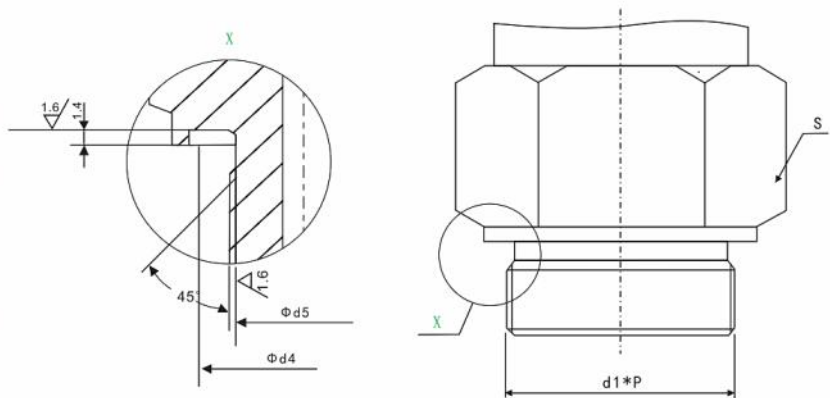
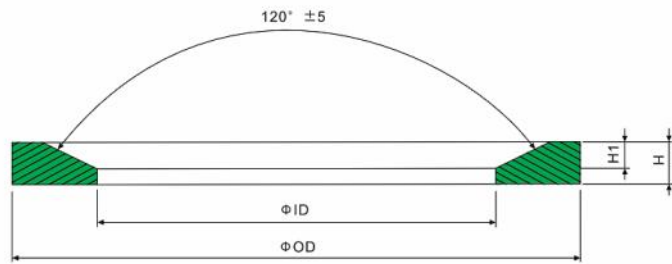
线径 CODE	内径 ID	线径 C/S
AS-903	7.65	1.63
AS-904	8.92	1.83
AS-905	10.52	1.83
AS-906	11.89	1.98
AS-907	13.46	2.08
AS-908	16.36	2.21
AS-909	17.93	2.46
AS-910	19.18	2.46
AS-911	21.92	2.95
AS-912	23.47	2.95
AS-913	25.04	2.95
AS-914	26.59	2.95
AS-916	29.74	2.95
AS-918	34.42	2.95
AS-920	37.47	2.95
AS-924	43.69	3.00
AS-928	53.09	3.00
AS-932	59.36	3.00



ED圈  
ED-Ring

管接頭密封圈 (ED圈)  
The pipe joint sealing ring lap (ED)

Material: NBR90, FKM80, EPDM80  
Seal Type: Butt-end packing  
Standard: DIN3869  
Max Pressure: 63MPa



代碼	ID	OD	H	H1	螺紋 d1*P	d5 0 -0.2	d4 +0.1 0	L4 +0.1 0	S
8	6.50	9.90	1.00	0.50	M8*1	6.30	10.00	0.80	-
10	8.40	11.90	1.00	0.50	M10*1&G1/8A	8.30	12.00	0.80	14.00
12	9.80	11.40	1.50	0.80	M12*1.5	9.70	11.50	1.30	17.00
14	11.60	16.50	1.50	0.80	M14*1.5&G1/4A	11.50	16.60	1.30	19.00
16	13.80	18.90	1.50	0.80	M16*1.5	13.70	19.00	1.30	22.00
17	14.70	18.90	1.50	0.80	G3/8A	14.60	19.00	1.20	22.00
18	15.70	20.90	1.50	0.80	M18*1.5	15.60	21.00	1.30	24.00
20	17.80	22.90	1.50	0.80	M20*1.5	17.70	23.00	1.30	27.00
21	18.50	23.90	1.50	0.80	G1/2A	18.40	24.00	1.20	27.00
22	19.60	24.30	1.50	0.80	M22*1.5	19.50	24.40	1.30	27.00
24	21.80	26.90	1.50	0.80	M24*1.5&G5/8A	21.70	27.00	1.30	-
26	23.90	29.20	1.50	0.80	M26*1.5&G3/4A	23.80	29.30	1.30	32.00
27	23.90	29.20	1.50	0.80	M27*2&G3/4A	23.80	29.30	1.30	32.00
33	29.70	35.70	2.00	1.00	M33*2&G1A	29.60	35.90	1.70	41.00
42	38.80	45.80	2.00	1.00	M42*2&G1-1/4A	38.60	46.00	1.70	50.00
48	44.70	50.70	2.00	1.00	M48*2&G1-1/2A	44.50	51.00	1.70	55.00

# V-Ring

## V 型圈概述

### An overview of the V-Ring

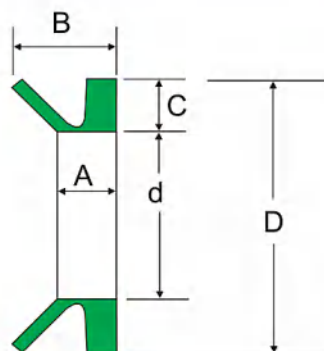
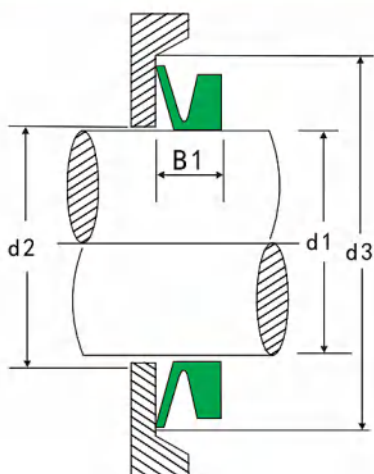
V型密封圈（水封）有VA、VS、VB、VL型四种标准结构形式，它是一种轴向作用的橡胶密封圈。和一般的旋转油封不同，V形圈依靠其弹性的密封唇形成轴向密封作用。密封唇有良好的活动性和适应性，所以相比于其它密封件，它可补偿较大的偏差和角度偏差。V型圈可用于旋转轴和轴承盖表面作无压轴向密封。V形圈的主体内圈与轴过盈配合，并随轴一起旋转。锥形密封唇可防止角度的偏移，V型圈其作用是防止外界的脏污侵入和内部油脂的外泄，中间连接部位可保证密封唇对被密封表面产生轻微压紧力，以达到持久有效的密封。

V sealing ring (water seal) has four standard structural forms, VA, VS, VB and VL. It is an axial rubber seal ring. Unlike the general rotary oil seal, the V ring relies on its elastic seal lip to form an axial seal. The seal lip has good activity and adaptability, so compared to other seals, it can compensate for larger deviation and angle deviation. The V type ring can be used as a non-pressure shaft seal on the surface of the rotating shaft and the bearing cover. The main inner ring of the V ring is fitted with the shaft and the shaft is rotated together. The conical sealing lip can prevent the deviation of the angle. The function of the V ring is to prevent the external contamination and internal grease from escaping. The middle connecting part can ensure that the sealing lips exert a slight compacting force on the sealed surface, so as to achieve a lasting and effective seal.



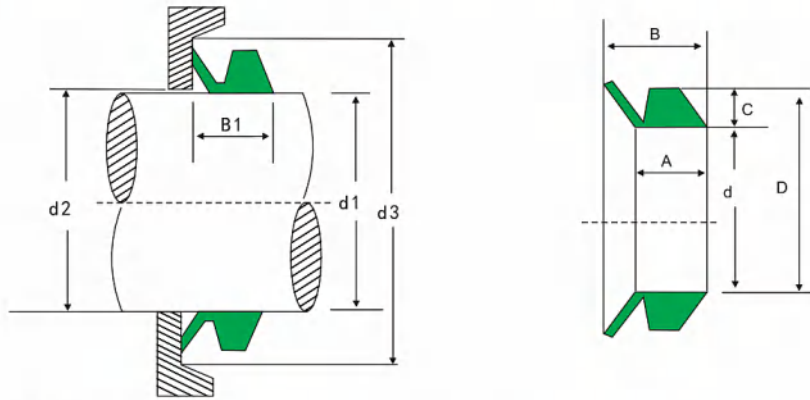
# V-Ring | V型规格表 (VA型)

V specification table (VA)



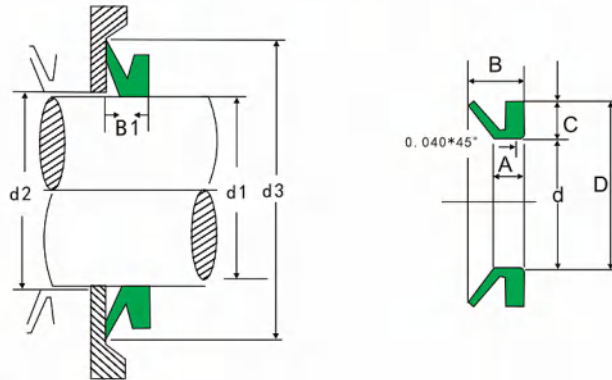
V型规格表 (VA型)

TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B
VA-0003	2.7-3.5	2.5	5.5	3.0	VA-0085	83.0-88.0	76.0	88.0	11.0	VA-0700	705.0-745.0	670.0	700.0	25.0
VA-0004	3.5-4.5	3.2	7.2	3.7	VA-0090	88.0-93.0	81.0	93.0	11.0	VA-0725	745.0-785.0	705.0	735.0	25.0
VA-0005	4.5-5.5	4.0	8.0	3.7	VA-0095	93.0-98.0	85.0	97.0	11.0	VA-0750	785.0-830.0	745.0	775.0	25.0
VA-0006	5.5-6.5	5.0	9.0	3.7	VA-0100	98.0-105.0	90.0	102.0	11.0	VA-0800	830.0-875.0	785.0	815.0	25.0
VA-0007	6.5-8.0	6.0	10.0	3.7	VA-0110	105.0-115.0	99.0	113.0	12.8	VA-0900	875.0-920.0	825.0	855.0	25.0
VA-0008	8.0-9.5	7.0	11.0	3.7	VA-0120	115.0-125.0	108.0	122.0	12.8	VA-0950	920.0-965.0	865.0	895.0	25.0
VA-0010	9.5-11.5	9.0	15.0	5.5	VA-0130	125.0-135.0	117.0	131.0	12.8	VA-1000	965.0-1050.0	910.0	940.0	25.0
VA-0012	11.5-12.5	10.5	16.5	5.5	VA-0140	135.0-145.0	126.0	140.0	12.8	VA-1050	1050.0-1065.0	955.0	985.0	25.0
VA-0013	12.5-13.5	11.7	17.7	5.5	VA-0150	145.0-155.0	135.0	149.0	12.8	VA-1100	1065.0-1115.0	1000.0	1030.0	25.0
VA-0014	13.5-15.5	12.5	18.5	5.5	VA-0160	155.0-165.0	144.0	160.0	14.5	VA-1150	1115.0-1165.0	1045.0	1075.0	25.0
VA-0016	15.5-17.5	14.0	20.0	5.5	VA-0170	165.0-175.0	153.0	169.0	14.5	VA-1200	1165.0-1215.0	1090.0	1120.0	25.0
VA-0018	17.5-19.0	16.0	22.0	5.5	VA-0180	175.0-185.0	162.0	178.0	14.5	VA-1250	1215.0-1270.0	1135.0	1165.0	25.0
VA-0020	19.0-21.0	18.0	26.0	7.5	VA-0190	185.0-195.0	171.0	187.0	14.5	VA-1300	1270.0-1320.0	1180.0	1210.0	25.0
VA-0022	21.0-24.0	20.0	28.0	7.5	VA-0199	195.0-210.0	180.0	196.0	14.5	VA-1350	1320.0-1370.0	1225.0	1255.0	25.0
VA-0025	24.0-27.0	22.0	30.0	7.5	VA-0200	190.0-210.0	180.0	210.0	25.0	VA-1400	1370.0-1420.0	1270.0	1300.0	25.0
VA-0028	27.0-29.0	25.0	33.0	7.5	VA-0220	210.0-235.0	198.0	228.0	25.0	VA-1450	1420.0-1470.0	1315.0	1345.0	25.0
VA-0030	29.0-31.0	27.0	35.0	7.5	VA-0250	235.0-265.0	225.0	25.0	25.0	VA-1500	1470.0-1520.0	1360.0	1390.0	25.0
VA-0032	31.0-33.0	29.0	37.0	7.5	VA-0275	265.0-290.0	247.0	25.0	25.0	VA-1550	1520.0-1570.0	1405.0	1435.0	25.0
VA-0035	33.0-36.0	31.0	39.0	7.5	VA-0300	290.0-31.0	270.0	25.0	25.0	VA-1600	1570.0-1620.0	1450.0	1480.0	25.0
VA-0038	36.0-38.0	34.0	42.0	7.5	VA-0325	310.0-335.0	292.0	25.0	25.0	VA-1650	1620.0-1670.0	1495.0	1525.0	25.0
VA-0040	38.0-43.0	36.0	46.0	9.0	VA-0350	335.0-365.0	315.0	25.0	25.0	VA-1700	1670.0-1720.0	1540.0	1570.0	25.0
VA-0045	43.0-48.0	40.0	50.0	9.0	VA-0375	365.0-390.0	337.0	25.0	25.0	VA-1750	1720.0-1770.0	1585.0	1615.0	25.0
VA-0050	48.0-53.0	45.0	55.0	9.0	VA-0400	390.0-430.0	360.0	25.0	25.0	VA-1800	1770.0-1820.0	1630.0	1660.0	25.0
VA-0055	53.0-58.0	49.0	59.0	9.0	VA-0450	430.0-480.0	405.0	25.0	25.0	VA-1850	1820.0-1870.0	1675.0	1705.0	25.0
VA-0060	58.0-63.0	54.0	64.0	9.0	VA-0500	480.0-530.0	450.0	25.0	25.0	VA-1900	1870.0-1920.0	1720.0	1750.0	25.0
VA-0065	63.0-68.0	58.0	68.0	9.0	VA-0550	530.0-580.0	495.0	525.0	25.0	VA-1950	1920.0-1970.0	1765.0	1795.0	25.0
VA-0070	68.0-73.0	63.0	75.0	11.0	VA-0600	580.0-630.0	540.0	570.0	25.0	VA-2000	1970.0-2020.0	1910.0	1840.0	25.0
VA-0075	73.0-78.0	67.0	79.0	11.0	VA-0650	630.0-665.0	600.0	630.0	25.0	-	-	-	-	-
VA-0080	78.0-83.0	72.0	84.0	11.0	VA-0850	665.0-705.0	630.0	660.0	25.0	-	-	-	-	-



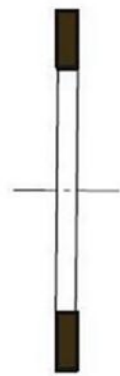
VS型結構圖及規格表

TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B
VS-005	4.5-5.5	4.0	8.0	5.2	VS-032	31.0-33.0	29.0	37.0	10.5	VS-095	93.0-98.0	85.0	97.0	15.5
VS-006	5.5-6.5	5.0	9.0	5.2	VS-035	33.0-36.0	31.0	39.0	10.5	VS-100	98.0-105.0	90.0	102.0	15.5
VS-007	6.5-8.0	6.0	10.0	5.2	VS-038	36.0-38.0	34.0	42.0	10.5	VS-110	105.0-115.0	99.0	113.0	18
VS-008	8.0-9.5	7.0	11.0	5.2	VS-040	38.0-43.0	36.0	46.0	13	VS-120	115.0-125.0	108.0	122.0	18
VS-010	9.5-11.5	9.0	15.0	7.7	VS-045	43.0-48.0	40.0	50.0	13	VS-130	125.0-135.0	117.0	131.0	18
VS-012	11.5-13.5	10.5	16.5	7.7	VS-050	48.0-53.0	45.0	55.0	13	VS-140	135.0-145.0	126.0	140.0	18
VS-014	13.5-15.5	12.5	18.5	7.7	VS-055	53.0-58.0	49.0	59.0	13	VS-150	145.0-155.0	135.0	149.0	18
VS-016	15.5-17.5	14.0	20.0	7.7	VS-060	58.0-63.0	54.0	64.0	13	VS-160	155.0-165.0	144.0	160.0	18
VS-018	17.5-19.0	16.0	22.0	7.7	VS-065	63.0-68.0	58.0	68.0	13	VS-170	165.0-175.0	153.0	169.0	18
VS-020	19.0-21.0	18.0	26.0	10.5	VS-070	68.0-73.0	63.0	75.0	13	VS-180	175.0-185.0	162.0	178.0	20.5
VS-022	21.0-24.0	20.0	28.0	10.5	VS-075	73.0-78.0	67.0	79.0	15.5	VS-190	185.0-195.0	171.0	187.0	20.5
VS-025	24.0-27.0	22.0	30.0	10.5	VS-080	78.0-83.0	72.0	84.0	15.5	VS-199	195.0-210.0	180.0	196.0	20.5
VS-028	27.0-29.0	25.0	33.0	10.5	VS-085	83.0-88.0	76.0	88.0	15.5	-	-	-	-	-
VS-030	29.0-31.0	27.0	35.0	10.5	VS-090	88.0-93.0	81.0	93.0	15.5	-	-	-	-	-

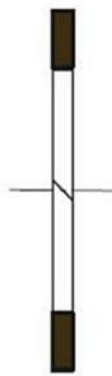


VL型結構圖及規格表

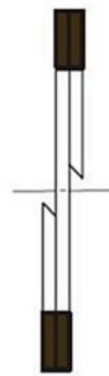
TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B	TYPE	d <sub>1</sub>	d	D	B
VL-110	105.0-115.0	99.0	112.0	10.5	VL-190	185.0-195.0	171.0	184.0	10.5	VL-375	365.0-385.0	337.0	337.0	10.5
VL-120	115.0-125.0	108.0	121.0	10.5	VL-200	195.0-210.0	182.0	195.0	10.5	VL-400	385.0-410.0	360.0	360.0	10.5
VL-130	125.0-135.0	117.0	130.0	10.5	VL-220	210.0-233.0	198.0	211.0	10.5	VL-425	410.0-440.0	382.0	382.0	10.5
VL-140	135.0-145.0	126.0	139.0	10.5	VL-250	233.0-260.0	225.0	238.0	10.5	VL-450	440.0-480.0	405.0	405.0	10.5
VL-150	145.0-155.0	135.0	148.0	10.5	VL-275	260.0-285.0	247.0	260.0	10.5	VL-500	480.0-530.0	450.0	450.0	10.5
VL-160	155.0-165.0	144.0	157.0	10.5	VL-300	285.0-310.0	270.0	283.0	10.5	VL-525	510.0-540.0	472.0	472.0	10.5
VL-170	165.0-175.0	153.0	166.0	10.5	VL-325	310.0-335.0	292.0	305.0	10.5	VL-550	530.0-580.0	495.0	495.0	10.5
VL-180	175.0-185.0	162.0	175.0	10.5	VL-350	335.0-365.0	315.0	328.0	10.5	VL-600	580.0-630.0	540.0	540.0	10.5



flat/uncut



split



spiral



contoured



# Back-up Ring | 挡圈

## Back-up Ring



Size (d x D x t)	Size (d x D x t)	Size (d x D x t)	Size (d x D x t)
3x6x1.25	34x40x1.25	115x120x1.25	35.5 x 45 x 1.5
4x7x1.25	35x40x1.25	120x125x1.25	36x44x1.5
5x8x1.25	35x41 X1.25	125x130x1.25	36 x 46 x 1.5
6x9x1.25	35x50x1.25	130x135x1.25	38x48x1.5
7x10x1.25	35.5x41.5x1.25	135x140x1.25	40x48x1.5
8x11 X1.25	36x42x1.25	140x145x1.25	40 x 50 x 1.5
9x12x1.25	36X44X1.25	145x150x1.25	45 x 53 x 1.5
10x13x1.25	37X45X1.25	145x155x1.25	45 x 55 x 1.5
10x14x1.25	38X44X1.25	150x155x1.25	45 x 56 x 1.5
11 X14X1.25	39X45X1.25	150x165x1.25	48 x 58 x 1.5
11 x15x1.25	40X45X1.25	155x160x1.25	50 x 58 x 1.5
11.2x15.2x1.25	40X46X1.25	160x165x1.25	50 x 60 x 1.5
12x16x1.25	41 x47x1.25	10X18X1.5	53 x 63 x 1.5
12.5x16.5x1.25	42x48x1.25	10X20X1.5	55 x 63 x 1.5
14x18x1.25	44x50x1.25	12X20X1.5	55 x 65 x 1.5
14x24x1.25	45x49x1.25	12X22X1.5	56 x 64 x 1.5
15x19x1.25	45x50x1.25	14X22X1.5	56 x 66 x 1.5
16x20x1.25	45x51 xl.25	14X24X1.5	58 x 68 x 1.5
16x30x1.25	45x55x1.25	15X23X1.5	60X68X1.5
18x22x1.25	46x52x1.25	15X25X1.5	60X70X1.5
20x24x1.25	48x54x1.25	16X24X1.5	61X71X1.5
20x26x1.25	49x55x1.25	16X26X1.5	63X71X1.5
21 x 25x1.25	50x55x1.25	16X28X1.5	63X73X1.5
21 x 48x1.25	50x56x1.25	18X26X1.5	65X73X1.5
22x26x1.25	51 x57x1.25	18X28X1.5	65X75X1.5
22x28x1.25	55x60x 1.25	20X28X1.5	67X77X1.5
22.4x28.4x1.25	58x63x1.25	20X30X1.5	70x78x1.5
24x30x1.25	60x65x1.25	22X30X1.5	70x80x1.5
25x30x1.25	65x70x1.25	22X32X1.5	71x80x1.5
25x31 X1.25	66x72x1.25	22.4X30X1.5	75x83x1.5
25.5x31.5x1.25	67x77x1.25	22.4x32.4x1.5	75x85x1.5
26x32x1.25	68x73x1.25	25 x 33 x 1.5	80x88x1.5
27x32x1.25	70x75x1.25	25 x 35 x 1.5	80x90x1.5
27.5x33x1.25	70x80x1.25	27x35x1.5	85x93x1.5
28x34x1.25	75x80x1.25	28x35.5x1.5	85x95x1.5
28x35x1.25	75x100x1.25	28 x 36 x 1.5	90x98x1.5
29x35x1.25	80x85x1.25	28 x 38 x 1.5	90x100x1.5
29.5x35.5x1.25	85x90x1.25	30 x 38 x 1.5	100x110x1.5
30x35x1.25	90x95x1.25	30 x 40 x 1.5	6x18x2
30x36x1.25	95x100x1.25	31.5x41.5x1.5	8x12x2
31 x 37x1.25	97x103x1.25	32x40x1.5	8x16x2
31.5x37.5x1.25	100x105x1.25	32x42x1.5	8x18x2
32x38x1.25	105x110x1.25	35 x 43 x 1.5	8x22x2
33x38x1.25	110x115x1.25	35x45x1.5	9x17x2

# Back-up Ring | 挡圈

## Back-up Ring



Size (d x D x t)	Size (d x D x t)	Size (d x D x t)	Size (d x D x t)
9x18x2	22x32x2	35.5x50.5x2	56x60x2
9x19x2	22x33x2	36x44x2	56x64x2
9x20x2	22x35x2	36x46x2	56x66x2
10x18x2	22.4x30x2	38x44x2	56x69x2
10x20x2	22.4x30.4x2	38x48x2	56x71x2
12x16x2	24x30x2	38x52x2	56x72x2
12x19x2	24x32x2	39x47x2	56x76x2
12x20x2	25x30x2	40x44x2	58x68x2
12x22x2	25x33x2	40x48x2	58x78x2
12x25x2	25x35x2	40x50x2	60x65x2
13x26x2	25x38x2	40x55x2	60x68x2
14x17x2	25x40x2	40x56x2	60x70x2
14x20x2	25x45x2	40x60x2	60x71x2
14x22x2	27x35x2	42x50x2	60x73x2
14x24x2	27x40x2	45x53x2	60x75x2
15x22x2	27x47x2	45x55x2	60x76x2
15x23x2	28x32x2	45x56x2	60x80x2
15x24x2	28x35x2	45x60x2	61 x71 x2
15x25x2	28x35.5x2	45x61x2	62x72x2
15x28x2	28x36x2	46x64x2	63x71 x2
16x22x2	28x38x2	48x58x2	63x73x2
16x24x2	28x40x2	48x63x2	63x75x2
16x25X2	28x41 X2	48x65x2	63x76x2
16x26X2	28x43x2	50x56x2	63x78x2
16x28X2	29x39x2	50x58x2	63x79x2
17x24X2	30x38x2	50x60x2	63x83x2
17x25X2	30x39x2	50x62x2	64x80x2
16x32x2	30x40x2	50x63x2	65x73x2
18x26X2	30x43x2	50x65x2	65x75x2
18x28X2	30x45x2	50x66x2	65x78x2
18x31X2	30x46x2	50x70x2	65x80x2
18x32X2	31.5x41.5x2	50x73x2	65x85x2
18x33X2	31.5x44.5x2	52x62x2	67x72x2
19x28x2	32x40x2	53x63x2	67x77x2
20x26x2	32x42x2	53x73x2	67x87x2
20x27x2	32x46x2	55x62x2	68x80x2
20x28x2	32x48x2	55x63x2	70x78x2
20x30x2	33x41x2	55x65x2	70x80x2
20x33x2	34x50x2	55x66x2	70x83x2
20x35x2	35x43x2	55x68x2	70x85x2
21x26x2	35x45x2	55x70x2	70x90x2
21 x29x2	35x50x2	55x71x2	71x80x2
22x29x2	35x51x2	55x75x2	71x81x2
22x30x2	35.5x45x2	55x80x2	71x86x2

# Back-up Ring | 挡圈

## Back-up Ring



Size (d x D x t)	Size (d x D x t)	Size (d x D x t)	Size (d x D x t)
71x91 x2	110X125X2	150x175x2	225x250x2
75x83x2	110X130X2	155x165x2	230x240x2
75x85x2	112X122X2	155x170x2	230x250x2
75x88x2	112X125X2	155x180x2	230x255x2
75x90x2	112X132X2	160x170x2	235x260x2
75x95x2	115X125X2	160x175x2	240x250x2
76X85X2	115X130X2	160X180X2	240x260x2
78X90X2	115X135X2	160X185X2	240x265x2
80X88X2	115X140X2	165X175X2	245x270x2
80X90X2	118X132X2	165X180X2	250x260x2
80X93X2	118X133X2	165X190X2	250X270X2
80X95x2	118X138X2	170X180X2	250X275X2
80x100x2	120X130X2	170X185X2	250X280X2
85x93x2	120X135x2	170X190X2	255X280X2
85x95x2	120X140X2	170X195X2	260X270X2
85x100x2	125X140X2	170X200X2	260X285X2
85x105x2	125X135X2	175X185X2	260X290X2
90x98x2	125X145X2	175X190X2	265X290X2
90x100x2	125X150X2	175X200X2	265X295X2
90x102x2	125X155X2	180X190x2	270X280X2
90x105x2	130X140X2	180x200x2	270X295X2
90x110x2	130X142X2	180x205x2	270X300X2
90x115x2	130X145X2	185X195X2	275X300X2
93x113x2	130X150X2	185X205X2	280X290x2
95x105x2	131X142X2	185X210X2	280x305x2
95x110x2	132X142X2	190X200X2	280x310x2
95x115x2	132X145X2	190X210X2	290x300x2
95x120x2	135X145x2	190X215X2	290x315x2
100x110x2	135x150x2	195X205X2	290x320x2
100x115x2	135x155x2	195X215X2	300x310x2
100x120x2	135x160x2	195X220X2	8x15x3
100x125x2	136x150x2	200X210X2	8x18x3
102x112x2	140x150x2	200X220X2	8x22x3
105x110x2	140x155x2	200X225X2	10x26x3
105x115x2	140x160x2	210x220x2	12x18x3
105x120x2	140x165x2	210x230x2	16x24x3
105x125x2	145x155x2	210x235x2	20x35x3
106x116x2	145x160x2	215x225x2	22x32x3
106x120x2	145x165x2	215x240x2	22.4x32.4x3
106x125x2	145x170x2	220x230x2	23x28x3
106x126x2	149x164x2	220x240x2	25x33x3
108x114x2	150x160x2	220x245x2	25x35x3
109x125x2	150x165x2	225x235x2	25x38x3
110x120x2	150x170x2	225x245x2	25x40x3

# Back-up Ring | 挡圈

## Back-up Ring



Size (d x D x t)	Size (d x D x t)	Size (d x D x t)	Size (d x D x t)
25x45x3	50x60x3	65X78x3	106X125X3
27x40x3	50x62x3	67x87x3	110X125X3
28x35.5x3	50x65x3	70x78x3	110X130X3
28x36x3	50x66x3	70x80x3	112X125X3
28x38x3	50x70x3	70x83x3	112X132X3
28x40x3	51 x67x3	70x85x3	118x133x3
28x41x3	53x63x3	70x90x3	118x138x3
28x43x3	53x73x3	70x95x3	120x130x3
30x38x3	55x63x3	71 x60x3	120x135x3
30x40x3	55x65x3	71 x91 x3	120x140x3
30x43x3	55x68x3	75x83x3	125x140x3
30x45x3	55x70x3	75x85x3	125x145x3
31.5X41.5X3	55x71 x3	75x88x3	125x150x3
32X40X3	55x75x3	75x90x3	130x145x3
32X42X3	55x80x3	75x95x3	130x150x3
32X46X3	56x64x3	80x86x3	132x145x3
32X48X3	56X65X3	80x90x3	135x150x3
34X50X3	56X66X3	80x93x3	135x155x3
35X38X3	56X69X3	80x95x3	135x160x3
35X43X3	56X71X3	80x100x3	136x150x3
35X45X3	56X72X3	85X90X3	140x155x3
35X50X3	56X76x3	85X93X3	140x160x3
35X51X3	58x68x3	85X95X3	140x165x3
35.5X45X3	59x83x3	85X100X3	145x160x3
35.5X50.5X3	60x68x3	85X105X3	145X165X3
36X44X3	60x70x3	85X115X3	145X170X3
36X44.5X3	60x71x3	90X98X3	150X165X3
36X46X3	60x73x3	90X100X3	150X170X3
38X48X3	60x75x3	90X102X3	150X175X3
38X52X3	60x76x3	90X105X3	155X170X3
40X48X3	60x78x3	90X110X3	155X180X3
40X50X3	60x80x3	94X110X3	160X175X3
40X54X3	60x105x3	95X100X3	160X180X3
40X55X3	61 x71 x3	95X110X3	160X185X3
40X56X3	63x71x3	95X115X3	165X180X3
40X60X3	63x73x3	95X120X3	165X190X3
40X70X3	63x75x3	100X110X3	170X185X3
44X54x3	63x78x3	100X115X3	170X190x3
45x53x3	63X79X3	100X120X3	170x195x3
45x55x3	63X83X3	100X125X3	170x200x3
48x58x3	64X80X3	105X120X3	175x190x3
48x63x3	65X73X3	105X125X3	175x200x3
50x58x3	65X75X3	106X120X3	180x200x3

# Back-up Ring | 挡圈

## Back-up Ring



Size (d x D x t)	Size (d x D x t)	Size (d x D x t)	Size (d x D x t)
180x205x3	160X180X4	265X295x4	
185x205x3	160X185X4	270x295x4	
185x215x3	165X180X4	270x300x4	
190x210x3	165X190X4	275x300x4	
190x215x3	170X185X4	280x305x4	
195x215x3	170X190X4	280x310x4	
195x220x3	170x195x4	290x315x4	
200X220X3	170x200x4	290x320x4	
200X225X3	175x190x4	300x325x4	
210X235X3	175x200x4	300x330x4	
215X240X3	180X200X4	270x295x5	
220X240X3	180X205X4	270x300x5	
220X245X3	185X205X4	275x300x5	
220X250X3	185X210X4	280x305x5	
225X245X3	190X210X4	280x310x5	
230X250X3	190X215X4	290x315x5	
230X255X3	195X215X4		
235X260x3	195X220X4		
240x260x3	200X220X4		
240x265x3	200X225X4		
245x270x3	205X225X4		
250x270x3	205X230X4		
250x275x3	210X230X4		
250x280x3	210X235x4		
255x280x3	215x240x4		
260x285x3	220x240x4		
260x290x3	220x245x4		
265x290x3	220x250x4		
265X295X3	225x245x4		
270X295X3	225x250x4		
270X300X3	230X250X4		
275X300X3	230X255X4		
280X305X3	235X260X4		
280X310X3	240X260X4		
290X315X3	240X265X4		
290X320X3	245X270X4		
300X320X3	250X270X4		
300X325X3	250X275X4		
300X340X3	250X280X4		
150X170X4	255X280X4		
155X170X4	260X285X4		
155X180X4	260X290X4		
160X175X4	265X290X4		

NBR

FKM

Silicone

EPDM

HNBR

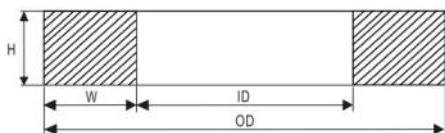
CR

NR

橡胶平垫片  
Rubber flat  
gasket

### 尺寸标志及公差标准表

Dimension mark and tolerance standard list



ID (mm)	Tolerance (±)
4.00 — 14.00	0.13
14.01 — 15.60	0.18
15.61 — 25.12	0.23
25.13 — 29.78	0.25
29.79 — 34.65	0.28
34.66 — 44.17	0.33
44.18 — 50.52	0.38
50.53 — 66.40	0.46
66.41 — 75.92	0.51
75.93 — 94.97	0.61
94.98 — 107.67	0.69
107.68 — 126.72	0.76
126.73 — 133.07	0.89
133.08 — 158.42	0.94
158.43 — 183.82	1.02
183.83 — 209.22	1.14
209.23 — 234.62	1.27
234.63 — 278.99	1.40
279.00 — 405.26	1.65
405.27 — 430.66	1.91
430.67 — 456.07	2.03
456.08 — -	0.5%



W (mm)	Tolerance (±)
0.00 — 1.68	0.15
1.69 — 2.51	0.15
2.52 — 3.40	0.15
3.41 — 5.16	0.15
5.17 — 6.73	0.15
6.74 — -	0.20

H (mm)	Tolerance (±)
0.01 — 1.68	0.08
1.69 — 2.51	0.10
2.52 — 3.40	0.10
3.41 — 5.16	0.10
5.17 — 6.73	0.10
6.74 — -	0.15

Rubber flat gasket size is generally not fixed, can be customized according to customer requirements

ID	OD	H	ID	OD	H	ID	OD	H	ID	OD	H
5	9	1	15	23	2	30	42	3	50	74	6
5	13	2	15	27	3	30	46	4	55	63	2
5	17	3	15	31	4	32	36	1	55	67	3
5	21	4	16	20	1	32	40	2	55	71	4
6	10	1	16	24	2	32	44	3	55	79	6
6	14	2	16	28	3	32	48	4	60	68	2
6	18	3	16	32	4	34	38	1	60	72	3
6	22	4	17	21	1	34	42	2	60	76	4
7	11	1	17	25	2	34	46	3	60	84	6
7	15	2	17	29	3	34	50	4	65	73	2
7	19	3	17	33	4	36	54	1	65	77	3
7	23	4	18	22	1	36	58	2	65	81	4
8	12	1	18	26	2	36	40	3	65	89	6
8	16	2	18	30	3	36	44	4	70	78	2
8	20	3	18	34	4	38	42	1	70	82	3
8	24	4	19	23	1	38	46	2	70	86	4
9	13	1	19	27	2	38	50	3	70	90	6
9	17	2	19	31	3	38	54	4	75	83	2
9	21	3	19	35	4	40	44	1	75	87	3
9	25	4	20	24	1	40	48	2	75	91	4
10	14	1	20	28	2	40	52	3	75	99	6
10	18	2	20	32	3	40	56	4	80	88	2
10	22	3	20	36	4	42	46	1	80	92	3
10	26	4	22	26	1	42	50	2	80	96	4
11	15	1	22	30	2	42	54	3	80	104	6
11	18	2	22	34	3	42	58	4	85	93	2
11	23	3	22	38	4	44	48	1	85	97	3
11	27	4	24	28	1	44	52	2	85	101	4
12	16	1	24	32	2	44	56	3	85	109	6
12	20	2	24	36	3	44	60	4	90	98	2
12	24	3	24	40	4	46	50	1	90	102	3
12	28	4	26	30	1	46	54	2	90	106	4
13	17	1	26	34	2	46	58	3	90	114	6
13	21	2	26	38	3	46	62	4	95	103	2
13	25	3	26	42	4	48	52	1	95	107	3
13	29	4	28	32	1	48	56	2	95	111	4
14	18	1	28	36	2	48	60	3	95	119	6
14	22	2	28	40	3	48	64	4	100	108	2
14	26	3	28	44	4	50	58	2	100	112	3
14	30	4	30	34	1	50	62	3	100	116	4
15	19	1	30	38	2	50	66	4	100	124	6



## Bonded Washers or Dowty Seals

Bonded Washer also known as Dowty seals represent a combination of metal washer and elastomer sealing lip vulcanised to the edge of the metal part to seal bolted connections and mounting elements in all industrial applications e.g. pipe connections and couplings.

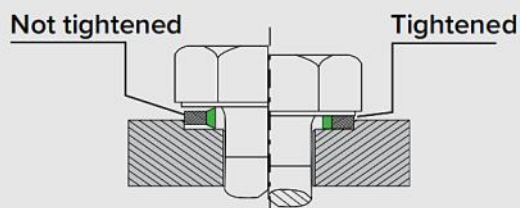
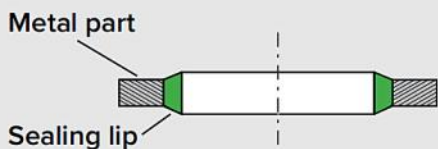
When the connection is tightened, the sealing lip is pressed against the flat surfaces. The metal washer ensures that the components to be connected are reliably and securely held. The thickness of the washer limits the compression of the elastomer seal, eliminates any over torque of the joint, thereby ensuring a reliable sealing system. The internal pressure increases the sealing force by energising the sealing lip.

### Available in Standard or Self-Centralising seal options

#### Standard Bonded Seal



- Reliable high and low pressure sealing
- Wide temperature capability
- Metal ring prevents over-compression & extrusion
- Large range of elastomers and metals
- Available in Metric or BSP threads

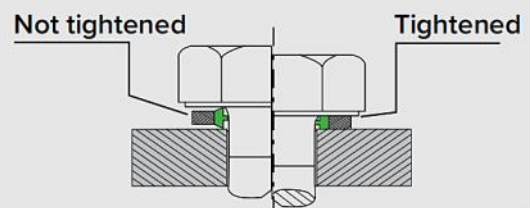
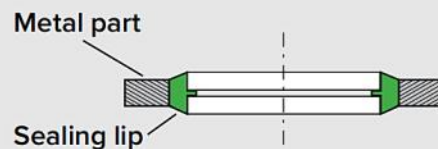


#### Self-Centralising Bonded Seal

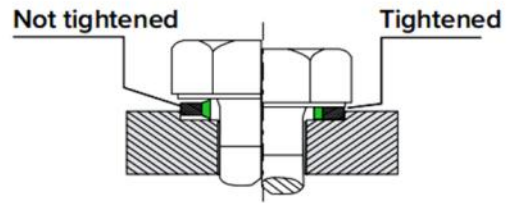
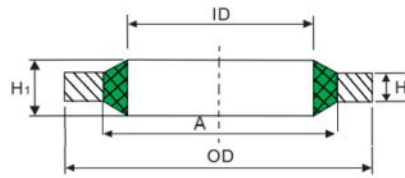


All benefits of standard seals plus:

- Centrally located
- Positively retained
- Ease of assembly
- Ability to pre-assemble
- Optimised component stocking



# Combination washer 组合垫圈

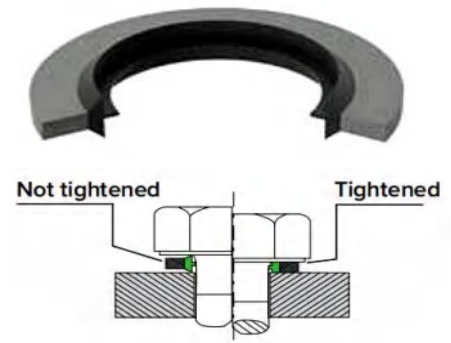
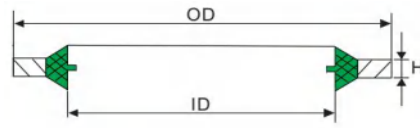


Standard: JB982-77 (mm)

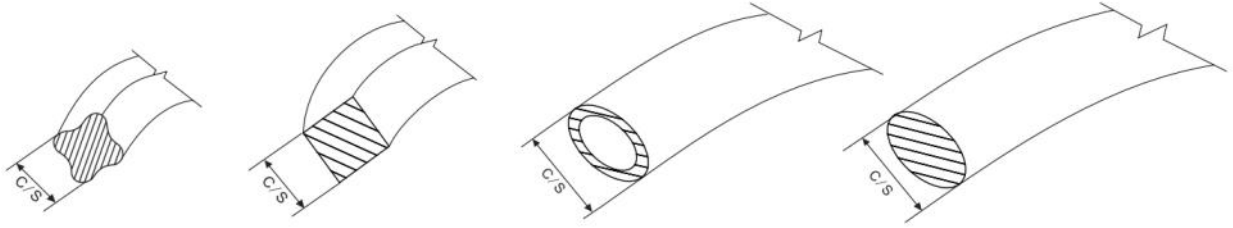
Code	ID <sup>±0.2</sup>	A <sup>±0.2</sup>	OD <sup>-0.2</sup>	H <sup>-0.1</sup>	H1 <sup>±0.1</sup>
M4	4.5	5.5	8	1	2.7
M5	5.7	6.7	10	1	2.7
M6	6.4	8	12	1.5	2.7
M8	8.4	10	14	2	2.7
M10 (G 1/8")	10.4	12	16	2	2.7
M12	12.4	14	18	2	2.7
M14 (G 1/4")	14.4	16	20	2	2.7
M16	16.4	18	22	2	2.7
M18 (G 3/8")	18.4	20	25	2	2.7
M20	20.5	23	28	2	2.7
M22 (G 1/2")	22.5	25	30	2	2.7
M24	24.5	27	32	2	2.7
M27 (G 3/4")	27.5	30	35	2	2.7
M30	30.5	33	38	2	2.7
M33 (G 1")	33.5	36	42	2	2.7
M36	36.6	40	46	2	2.9
M39	39.6	43	50	2	2.9
M42 (G 1 1/4")	42.6	46	53	2	2.9
M45	45.6	49	56	2	2.9
M48	48.7	52	60	2	2.9
M52	52.7	56	66	2	2.9
M60 (G 2")	60.7	64	75	2	2.9
M65	65.7	71	80	2	2.9
M70	70.8	77	85	2	2.9
M75	75.8	83	90	2	2.9
M80	80.9	88	95	2	2.9
M85	86	93	101	2	2.9
M90	91	99	106	2	2.9
M96	97	105	112	2	2.9
M100	101	110	117	2	2.9

# Combinati on washer

## 组合垫圈



Code	Inch	BSP(G)	ID	OD	H
BS/A 6.8	1/4		6.86	13.2	1.5
BS/A 8.6	5/16		8.64	14.22	1.5
BS/A 10.3	3/8	1/8	10.37	15.88	1.85
BS/A 10.4			10.37	18.5	2
BS/A 11.8	7/16		11.86	19	1.5
BS/A 13.7	1/2	1/4	13.74	20.57	1.85
BS/A 14.8	9/16		14.86	22.23	2
BS/A 16.5	5/8		16.51	25.4	1.85
BS/A 17.2		3/8	17.28	23.8	1.85
BS/A 19.6	3/4		19.69	26.92	2.35
BS/A 21.5	13/16		21.54	28.58	2.35
BS/A 23.5	7/8		23.49	31.75	2.35
BS/A 24.2	15/16		24.26	33.27	2.35
BS/A 27.1	1	3/4	27.05	34.93	2.35
BS/A 30.8	13/16	7/8	30.81	38.1	2.35
BS/A 33.8	15/16	1	33.89	42.8	2.35
BS/A 33.8A	15/16	1	33.89	42.8	3.4
BS/A 35.9A	1 3/8		35.94	44.45	3.4
BS/A 42.9	1 5/8	1 1/4	42.93	52.38	2.35
BS/A 42.9A	1 5/8	1 1/4	42.93	52.38	3.4
BS/A 48.5	1 7/8	1 1/2	48.44	58.6	2.35
BS/A 48.5A	1 7/8	1 1/2	48.44	58.6	3.4
BS/A 54.8A	2 1/16	1 3/4	54.89	69.85	3.4
BS/A 60.5		2	60.58	73.03	2.35
BS/A 60.5A		2	60.58	73.03	3.4
BS/A 66.6		2 1/4	66.68	79.8	2
BS/A 66.6A		2 1/4	66.68	79.5	3.4
BS/A 76.1A		2 1/4	76.08	90.17	3.4



The rubber strip is mainly used for sealing doors, windows and other large equipment or bonding into any inner diameter of the sealing ring

Cross section: Round, Square, X and Hollow, etc

Material: NBR, FKM, Silicone, EPDM, SBR, CR, etc.



OTPNO.	C/S(mm)	Tolerance
M0120B	1.2	±0.25
M0150B	1.5	±0.25
M0160B	1.6	±0.35
M0178B	1.78	±0.35
M0190B	1.9	±0.35
M0200B	2	±0.35
M0240B	2.4	±0.35
M0250B	2.5	±0.35
M0262B	2.62	±0.40
M0300B	3	±0.40
M0350B	3.5	±0.40
M0400B	4	±0.40
M0450B	4.5	±0.50
M0500B	5	±0.50
M0534B	5.34	±0.50
M0550B	5.5	±0.50
M0570B	5.7	±0.50
M0600B	6	±0.50
M0650B	6.5	±0.70
M0699B	6.99	±0.70
M0700B	7	±0.70
M0750B	7.5	±0.70
M0800B	8	±0.70

OTPNO.	C/S(mm)	Tolerance
M0840B	8.4	±0.70
M0850B	8.5	±0.70
M0900B	9	±0.70
M0950B	9.5	±0.70
M010 00B	10	±0.70
M011 00B	11	±0.80
M012 00B	12	±0.80
M012 70B	12.7	±0.80
M013 00B	13	±0.80
M014 00B	14	±0.80
M015 00B	15	±0.80
M016 00B	16	±0.80
M017 00B	17	±1.00
M018 00B	18	±1.00
M019 00B	19	±1.00
M020 00B	20	±1.00
M021 00B	21	±1.00
M022 00B	22	±1.00
M023 00B	23	±1.00
M024 00B	24	±1.00
M025 00B	25	±1.00
-	-	-
-	-	-





NITRILE/NBR



FKM/FPM/VITON



NBR90 For Excavator



### 5A 382PCS METRIC SERIES O-RING ASSORTMENT

O-RING SERVICE KIT NATURAL BUNA  
RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUALITY  
382 PIECES

Part Numbers	Nominal Sizes		Quantity
AS568	ID	C/S	In Kit
006	2.90	1.78	20
007	3.69	1.78	20
008	4.47	1.78	20
009	5.29	1.78	20
010	6.07	1.78	20
011	7.65	1.78	20
012	9.25	1.78	20
110	9.19	2.62	13
111	10.77	2.62	13
112	12.37	2.62	13
113	13.95	2.62	13
114	15.54	2.62	13
115	17.12	2.62	13
116	18.72	2.62	13
210	18.64	3.53	10

Part Numbers	Nominal Sizes		Quantity
AS568	ID	C/S	In Kit
211	20.22	3.53	10
212	21.82	3.53	10
213	23.39	3.53	10
214	25.00	3.53	10
215	26.57	3.53	10
216	28.17	3.53	10
217	29.57	3.53	10
218	31.34	3.53	10
219	32.92	3.53	10
220	34.52	3.53	10
221	36.10	3.53	10
222	37.70	3.53	10
325	37.47	5.33	7
326	40.65	5.33	7
327	43.82	5.33	7



### 5A 382PC INCH SIZES O-RING ASSORTMENT

O-RING SERVICE KIT NATURAL BUNA  
RUBBER(NBR) INCH SIZE 70 SHORE

PROFESSIONAL QUANTITY  
382 PIECES

Location	Actual Size		Quantity
	ID	C/S	
006	1/8	1/16	20
007	5/32	1/16	20
008	3/16	1/16	20
009	7/32	1/16	20
010	1/4	1/16	20
011	5/16	1/16	20
012	3/5	1/16	20
110	3/8	3/32	13
111	7/16	3/32	13
112	1/2	3/32	13
113	9/16	3/32	13
114	5/8	3/32	13
115	11/16	3/32	13
116	3/4	3/32	13
210	3/4	1/8	10

Location	Actual Size		Quantity
	ID	C/S	
R16	13/16	1/8	10
R17	7/8	1/8	10
R18	15/16	1/8	10
R19	1	1/8	10
R20	1-1/16	1/8	10
R21	1-1/8	1/8	10
R22	1-3/16	1/8	10
R23	1-1/4	1/8	10
R24	1-5/16	1/8	10
R25	1-3/8	1/8	10
R26	1-7/16	1/8	10
R27	1-1/2	1/8	10
R28	1-1/2	3/16	7
R29	1-5/8	3/16	7
R30	1-3/4	3/16	7



### 5B 382PCS METRIC SERIES O-RING ASSORTMENT

O-RING SERVICE KIT NATURAL BUNA  
RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUANTITY  
382 PIECES

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	
JIS			
P3	2.8	1.9	20
P4	3.8	1.9	20
P5	4.8	1.9	18
P6	4.8	1.9	18
P7	6.8	1.9	18
P8	7.8	1.9	18
P9	8.8	1.9	18
P10A	9.8	2.4	13
P11	10.8	2.4	13
P12	11.8	2.4	13
P14	13.8	2.4	13
P16	15.8	2.4	13
P18	17.8	2.4	13
P20	19.8	2.4	13
G20	20	3.0	10

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	
JIS			
G22	22	3.0	10
P22.4	22.1	3.5	10
G25	24.4	3.1	10
P25	24.7	3.5	10
P26	25.7	3.5	10
G30	29.4	3.1	10
P30	29.7	3.5	10
P32	31.7	3.5	10
P34	33.7	3.5	10
G35	34.4	3.1	10
P36	35.7	3.5	10
G40	39.4	3.1	10
P10	39.7	3.5	10
G45	44.4	3.1	11
P48	47.7	3.5	10



**5C 386PCS METRIC SERIES O-RING ASSORTMENT**

O-RING SERVICE KIT NATURAL BUNA RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUANTITY  
386 PIECES

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
5C-01	3.0	2.0	16
02	4.0	2.0	16
03	5.0	2.0	16
04	6.0	2.0	16
05	7.0	2.0	16
06	8.0	2.0	16
07	10	2.0	16
08	10	2.5	13
09	11	2.5	13
10	12	2.5	13
11	14	2.5	13
12	16	2.5	13
13	17	2.5	13
14	19	2.5	13
15	19	3.0	12

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
5C-16	20	3.0	12
17	22	3.0	12
18	24	3.0	12
19	25	3.0	12
20	27	3.0	12
21	28	3.0	12
22	30	3.0	12
23	32	3.0	12
24	33	3.0	12
25	35	3.0	12
26	36	3.0	12
27	38	3.0	12
28	38	4.0	9
29	41	4.0	9
30	44	4.0	9



**8A 404PCS METRIC O-RING ASSORTMENT**

O-RING SERVICE KIT NATURAL BUNA RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUANTITY  
404 PIECES

Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
On Kit			
R-01	3	2	18
R-02	4	2	18
R-03	5	2	18
R-04	6	2	18
R-05	7	2	17
R-06	8	2	17
R-07	10	2	17
R-08	10	2.5	14
R-09	11	2.5	14
R-10	12	2.5	14
R-11	14	2.5	14
R-12	16	2.5	14
R-13	17	2.5	14
R-14	19	2.5	14
R-15	19	3	12

Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
On Kit			
R-16	20	3	12
R-17	22	3	12
R-18	24	3	12
R-19	25	3	12
R-20	27	3	12
R-21	28	3	12
R-22	30	3	12
R-23	32	3	12
R-24	33	3	12
R-25	35	3	12
R-26	36	3	12
R-27	38	3	12
R-28	38	4	9
R-29	42	4	9
R-30	45	4	9



**8B 407PCS METRIC SERIES O-RING ASSORTMENT**

O-RING SERVICE KIT NATURAL BUNA RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUANTITY 407 PIECES

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
AS568			
006	2.90	1.78	20
008	4.48	1.78	20
010	6.07	1.78	20
011	7.66	1.78	20
012	9.25	1.78	20
014	12.42	1.78	20
110	9.19	2.62	13
111	10.77	2.62	13
112	12.37	2.62	13
113	13.98	2.62	13
114	15.54	2.62	13
115	17.13	2.62	13
116	18.72	2.62	13
117	20.29	2.62	13
118	21.89	2.62	13
210	18.64	3.53	10

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
AS568			
211	20.22	3.53	10
212	21.82	3.53	10
213	23.40	3.53	10
214	25.00	3.53	10
215	26.57	3.53	10
216	28.17	3.53	10
217	29.57	3.53	10
218	31.34	3.53	10
219	32.92	3.53	10
220	34.52	3.53	10
221	36.10	3.53	10
222	37.70	3.53	10
223	40.87	3.53	10
224	44.04	3.53	10
225	47.22	3.53	10
226	50.40	3.53	10



**8B 407PC INCH SERIES O-RING ASSORTMENT**

O-RING SERVICE KIT NATURAL BUNA RUBBER(NBR) INCH SIZE 70 SHORE

PROFESSIONAL QUANTITY 407 PIECES

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
AS568			
006	1/8	1/16	20
008	3/16	1/16	20
010	1/4	1/16	20
011	5/16	1/16	20
012	3/8	1/16	20
014	1/2	1/16	20
110	3/8	3/32	13
111	7/16	3/32	13
112	1/2	3/32	13
113	9/16	3/32	13
114	5/8	3/32	13
115	11/16	3/32	13
116	3/4	3/32	13
117	13/16	3/32	13
118	7/8	3/32	13
210	3/4	1/8	10

Part Numbers	Nominal Sizes		Quantity
	ID	C/S	In Kit
AS568			
211	13/16	1/8	10
212	7/8	1/8	10
213	15/16	1/8	10
214	1	1/8	10
215	1-1/16	1/8	10
216	1-1/8	1/8	10
217	1-3/16	1/8	10
218	1-1/4	1/8	10
219	1-5/16	1/8	10
220	1-3/8	1/8	10
221	1-7/16	1/8	10
222	1-1/2	1/8	10
223	1-5/8	1/8	10
224	1-3/4	1/8	10
225	1-7/8	1/8	10
226	2	1/8	10



### 8C 419PCS METRIC SERIES O-RING ASSORTMENT

O-RING SERVICE KIT NATURAL BUNA RUBBER(NBR) METRIC SIZE 70 SHORE

PROFESSIONAL QUANTITY 419 PIECES

Numbers	Nominal Sizes		Quantity In Kit
	ID	C/S	
R-01	3	1.5	20
R-02	4.4	2	20
R-03	5	2	18
R-04	7	1.5	23
R-05	10	1.5	23
R-06	13	2.5	23
R-07	10	2.5	14
R-08	11	2.5	13
R-09	13	2.5	14
R-10	14	2.5	13
R-11	16	2.5	14
R-12	18	2.5	14
R-13	19	2.5	13
R-14	21	2.5	14
R-15	22	2.5	13
R-16	18	3.5	10

Numbers	Nominal Sizes		Quantity In Kit
	ID	C/S	
R-17	20	3.5	10
R-18	22	3.5	10
R-19	23.5	3.5	10
R-20	25	3.5	10
R-21	26.5	3.5	10
R-22	28	3.5	10
R-23	30	3.5	10
R-24	31	3.5	10
R-25	33	3.5	10
R-26	34.5	3.5	10
R-27	36	3.5	10
R-28	38	3.5	10
R-29	41	3.5	10
R-30	44	3.5	10
R-31	47	3.5	10
R-32	50	3.5	10





				
GR空心	GS实心	紫色进口料	绿色进口料	T型六角垫
				
L型缓冲垫	MT梅花垫	NM弓型胶垫	HRC六角垫	MH缓冲垫
				
JAC缓冲垫	齿轮缓冲垫	H型缓冲垫	缓冲垫圈	弹性柱销套
				
梅花联轴器	XL联轴器	L型联轴器	NM联轴器	ML联轴器

# MT



Code	OD	ID	Angular Diameter	Thickness	Claw (Qty)
MT-1	48	19	18	12	4
MT-2	68	28	20	18	6
MT-2*	66	28	19	18	6
MT-3	82	34	22	18	6
MT-3*	81	33	22	18	6
MT-4	100	42	28	20	6
MT-5	122	52	32	25	6
MT-6	140	65	36	30	6
MT-7	166	90	36	30	8
MT-8	195	100	40	35	8
MT-8*	193	100	39	35	8
MT-9	225	115	45	35	10
MT-10	255	140	50	45	10
MT-10*	255	150	45	45	10
MT-11	295	170	50	50	10
MT-12	356	215	55	55	12
MT-13	391	250	55	55	12

**GR**



Code	OD	ID	Angular Diameter	Thickness	Claw (Qty)
GR-14	30	10	10	14	4
GR-19	40	18	12	16	6
GR-24	55	27	14	18	8
GR-28	65	30	15	20	8
GR-38	80	38	18	24	8
GR-42	95	46	20	26	8
GR-48	105	51	21	28	8
GR-55	120	60	22	30	8
GR-65	135	68	26	35	8
GR-75	160	80	30	40	10
GR-90	200	100	34	45	10
GR-100	225	113	38	50	10
GR-110	255	127	42	55	10
GR-125	290	147	46	**	10
GR-140	320	165	50	**	10
GR-160	370	190	57	**	12
GR-180	420	220	64	**	12



Code	OD	ID	Thickness1	Thickness2	Claw (Qty)
GS-7	14	--	7.4	6	4
GS-10	20	--	10	8	4
GS-14	30	--	12	10	4
GS-19	40	18	14.5	12	6
GS-24	54	26	15.2	14	8
GS-28	65	30	19	15	8
GS-38	80	38	22	18	8
GS-42	95	46	24	20	8
GS-48	104	51	25.5	20.5	8
GS-55	120	60	27	22	8
GS-65	135	68	32	26	8
GS-75	161	81	37	30	10
GS-90	199	100	42	34	10

# HRC



Code	OD	ID	Angular Diameter	Angular Thickness	Middle Thickness
HRC-70	58.3	21.9	12	12	16
HRC-90	72.4	32.1	15.4	17	21
HRC-110	95.8	44	19.4	21	27
HRC-130	115.3	50	22	30	34
HRC-150	133	62	28	33	38
HRC-180	160	76	32.3	38	45
HRC-230	201	76	42.3	50	58
HRC-280	252	119	50.4	63	72

# L



Code	OD	ID	Angular Diameter	Angular Thickness	Middle Thickness
L-50	27	**	10	8.5	4
L-70	35	12	10	7	4
L-75	44	19.6	10	7	6
L-90/95	53	22	10	9.2	6
L-99/100	63.5	25	15	10.6	6
L-110	83.6	30	18	11.3	6
L-150	95	31.7	22.5	15	6
L-190	113	34.6	22	15	6
L-225	127	45	23	19	6

# T



Code	OD	ID	Thickness	Claw (Qty)
T-40	40	8	10	6
T-45	45	20	10	6
T-56	56	27	15	6
T-62	61	31	14	6
T-65	65	30	15	6
T-75	75	35	15	6
T-79	79.5	39	15	6
T-90	89.5	45	18	6
T-94	94	45	18	6
T-104	104	56	23	6
T-108	107	55	23.5	6
T-126	125	65	26.5	6
T-133	133	60.5	25	6
T-154	154	81	27	6
T-170	169	86	29	6
T-175	173.5	87	29.5	6
T-180	179	91	30	6
T-200	200	101	36	6



Code	OD	ID	Thickness
H-80	21.7	9.8	9
H-95	25	13	12
H-110	29	13.3	15.5
H-125	32.5	13.9	18.4
H-140	36	15.8	20
H-160	35	19.2	22
H-180	36.3	20.3	24
H-200	38	23.3	26.7
H-225	40.7	24	31
H-250	46	31.8	36.5
H-280	51	32.6	39.4
H-315	47	35	41
H-350	57.6	38	55
H-400	61.5	40	47.5
H-440	68	42	51.7
H-480	80	45.7	55
H-520	85	50	62.3
H-560	90	75	70
H-610	90	63	75
H-710	105	80	88



Code	Tooth (Qty)	OD	ID	Height	M (Qty)
NL1	20	42	30	28	1
	30	40	27	37	1.5
NL2	28	55	38	39	1
	42	53	41	40	1.5
NL3	25	67	47	42	2
	34	67	50	45	1.5
NL4	34	82	60	46	2
	45	82	65	47	1.5
NL5	36	92	69	48	2
	38	95	72	49	2
NL6	32	102	75	52	2.5
	40	100	76	50	2
NL7	36	115	85	60	2
	45	155	87	61	2.5
NL8	31	140	102	67	3
	36	140	100	67	3
	42	140	100	72	2.5
	45	140	108	73	2.5
NL9	45	175	135	100	3
	46	175	132	90	3
NL10	44	220	180	110	4
M-14	20	40	25	37	1
M-19	24	47	32	37	1.5
M-24	28	53	36	41	1.5
M-28	34	65	44	46	1.5
M-32	40	75	50	48	1.5
M-38	44	83	58	48	1.5
M-42	50	92	65	50	1.5
M-48	50	95	68	50	1.5
M-55	45	114	87	60	2
M-65	42	139	99	70	2.5



Code	OD	ID	Height	Tooth (Qty)
3J/3H	48	26.5	25.5	18
4J/4H	58.7	34	31.8	18
5J/5H	74.6	44	39.7	20
6J/6H	95.3	54.6	47.6	20
7J/7H	110	64.5	55.6	24
8J/8H	128.6	75	63.5	24
9J/9H	152	87	16.25	24
10J/10H	180	102	97.3	24
11J/11H	208	122	101.6	24
12J/12H	240	137	120	24
13J/13H	285	163	137	24
14J/14H	334	192	165	24



Code	OD	ID	Thickness	Claw (Qty)
AR-28	60	36.5	16	8
AR-32	70	41	18	10
AR-38	76	50	19	10
AR-42	87	55	23	10
AR-48	96	64	25	10
AR-55	110	73	26	10
AR-60	119	81	28	10
AR-65	130	86	30	12
AR-75	148	100	35	12
AR-85	170	116	43	12
AR-90	180	128	46	12



Code	OD	ID	Angle	Thickness
MH-65	53	33	10	15
MH-80	73	43	14	24
MH-90	82	48	18	22
MH-115	105	60	22	31
MH-130	115	65	25	34
MH-145	125	74	27	38
MH-175	155	91	33	45
MH-200	177	95	42	51



Code	OD	ID	Height	Claw (Qty)
42	32.5	20	9	9
62	58	30	12	12
72	68	30	15	15
84	82	55	17	17
97	95	48	20	20
120	115	45	25	25
127	123	61	21	21
142	137	70	20	20
182	180	95	35	35
202	198	105	38	38
227	220	115	45	45

# 定制品

## Customized Products

特殊件可根据客户要求定制。

Special parts can be customized according to customer requirements.







**NUOANKE**



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