以高科技服务社会，做最好的供应商。

In high-tech to serve the society , do the best supplier

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DIFFERENT

宁波欢凌密封科技有限公司

NINGBO HUAN LING SEALING TECHNOLOGY CO., LTD.

公司简介

宁波欢凌密封科技有限公司是一家从事密封元件，包括O型圈，星型圈，平垫圈橡胶挡圈，橡胶球，油封，四氟垫片等各种非标件的专业性购销公司。采用先下订单，然后进行生产加工的销售模式，针对不同客户加工不同产品。公司拥有的产品皆是进口原料制造，质量上乘，现公司产品已远销国外，反馈信息良好，是一家广大密封件使用者值得信赖的公司。业务涉及工程机械、注塑机械、油压机、压缩机、压铸机、陶瓷机械、港口机械、冶金机械、钢铁机械、汽船制造、煤矿机械、化工机械、轻工机械、矿山机械以及机床等领域和行业。致力于提升服务品质及产品的更新，以期为客户提供更好的服务。

ABOUT US

Ningbo Huan Ling Sealing Technology Co., LTD., the products including the O-rings, Flat washer, rubber rings, ED-Ring,Bonded seal, PTFE rings, O-ring Kit, rubber ball, Y-rings, Rubber Strip, Piston U-seal, Rod U-seal, Glyd-Ring, Step seals, v-sha ped rings, X-rings and other various non-standard rubber.In addition, our company sales agent: IVAK oil seal, WRD oil seal, etc.
Our company has the product is made of imported raw materials, quality excellent, the company products have been exported to Europe and the United States, the feedback is good, is a broad seal users trustworthy company.
Business involves the engineering machinery, plastic machinery, hydraulic press, compressor, die-casting machine, ceramic machinery, port machinery,metallurgical machinery, steel, steamboat manufacturing, coal mine machinery, chemica machinery, light industry machinery, mining machinery and machine tools and other fields and industries.
My company is committed to enhance service quality and product updates, in order to provide better service for the customer.

采购咨询通道 consulting service

销售一部

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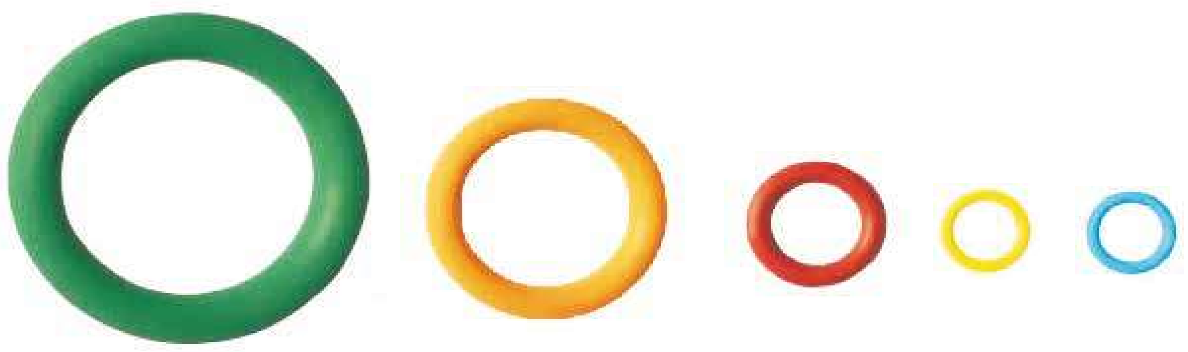
O 型圈

O - Ring

O形密封圈适用于装在各种机械设备上，在规定的温度、压力、以及不同的液体和气体介质中，于静止或运动状态下起密封作用。在机床、船舶、汽车、航空航天设备、冶金机械、化工机械、工程机械，建筑机械、矿山机械、石油机械、塑料机械、农业机械、以及各类仪器仪表上，大量应用着各种类型的密封元件。O型密封圈主要用于静密封和往复运动密封。用于旋转运动密封时，仅限于低速回转密封装置。O型密封圈一般安装在外圆或内圆上截面为矩形的沟槽内起密封作用，)型密封圈在耐油，酸碱、磨、化学侵蚀等环境依然起到良好密封、减震作用，因此，O型密封圈是液压与气压传动系统中使用最广泛的一种密封件。

Description:O-ring is mainly used in fluid static application (For example,water,oill,air,chemicals solvent,chemicals.etc.). The temperature range isfrom -60 C up to 220 C.The pressure in static application should beless than 2OMPa.which varies with differentmaterlals. Sometimes O-ring is used in dynamic appllcalion with the pressure less than 5MPa and also used in sem-conductor vacuum seal.

O型圈 / 星型圈公差标准表			tolerance standard	
内径 ID	公差 Tolerance(±)		线径 C/S	公差 Tolerance(±)
0 - 1.79	0.1		0 - 1.79	0.07
1.80 - 6.29	0.13		1.80 - 2.64	0.08
6.30 - 10.59	0.14		2.65 - 3.54	0.09
10.60 - 18.99	0.17		3.55 - 5.29	0.1
19.00 -31.49	0.22		5.30 - 6.99	0.13
31.50 - 41.19	0.3		7.00 - 8.00	0.15
41.20 - 51.49	0.36		8.01 - 10.00	0.2
51.50 - 64.99	0.44		10.01 - 15.00	0.25
65.00 - 82.49	0.53		15.01 - 25.00	0.35
82.50 - 121.99	0.65		25.01 - 100.00	0.45
122.00 - 184.99	0.9			
185.00 - 257.99	1.2			
258.00 - 324.99	1.6			
325.00 - 411.99	2.1			
412.00 - 514.99	2.6			
515.00 - 649.99	3.2			
650.00 - 670.00	4			
670.01 - 999.00	5			
999.01 - 1200.00	6			



O-Ring

中国标 C 92 Chinese - standard

内径 (ID)	线径 (CS)
1.8 - 50	1.8
10 - 150	2
7.1 - 200	2.65
8 - 200	3.55
40 - 400	5.3
60 - 545	7

美标 AS568 American-standard

内径 (ID)	线径 (CS)
1.78 - 185.19	1.78
1.24 - 247.32	2.62
1.52 - 456.06	3.53
10.46 - 582.68	5.33
34.29 - 557.66	6.99

欢凌标准HL-standard

内径 (ID)	线径 (CS)
1 - 77	1
1 - 350	1.5
3 - 320	2.5
5 - 430	3
9 - 410	4
10 - 470	5
85 - 430	6
27 - 448	8
66 - 385	10

日标JISB2401(P,G) Japanese-standard

内径 (ID)	线径 (CS)
2.8 - 9.8	1.9
9.8 - 21.8	2.4
24.4 - 144.4	3.1
21.7 - 49.7	3.5
47.6 - 299.3	5.7
149.5 - 399.5	8.4

中国标 (C92 Chinese - standard)

NO	I.D 内径	C/S 线径
001	1.80	1.80
002	2.00	1.80
003	2.24	1.80
004	2.50	1.80
005	2.80	1.80
006	3.15	1.80
007	3.55	1.80
008	3.75	1.80
009	4.00	1.80
010	4.50	1.80
011	4.87	1.80
012	5.00	1.80
013	5.15	1.80
014	5.30	1.80
015	5.60	1.80
016	6.00	1.80
017	6.30	1.80
018	6.70	1.80
019	6.90	1.80
020	7.10	1.80
022	7.50	1.80
024	8.00	1.80
026	8.50	1.80
028	8.75	1.80
030	9.00	1.80
032	9.50	1.80
034	10.00	1.80
036	10.60	1.80
038	11.20	1.80
040	11.80	1.80
042	12.50	1.80
044	13.20	1.80
046	14.00	1.80
048	15.00	1.80
050	16.00	1.80
052	17.00	1.80
054	18.00	1.80
057	19.00	1.80
060	20.00	1.80
063	21.20	1.80
066	22.40	1.80
069	23.60	1.80
072	25.00	1.80
075	25.80	1.80
078	26.50	1.80
081	28.00	1.80

NO	I.D 内径	C/S 线径
084	30.00	1.80
087	31.50	1.80
090	32.50	1.80
093	33.50	1.80
096	34.50	1.80
099	35.50	1.80
102	36.50	1.80
105	37.50	1.80
108	38.70	1.80
111	40.00	1.80
115	41.20	1.80
119	42.50	1.80
123	43.70	1.80
127	45.00	1.80
131	46.20	1.80
135	47.50	1.80
139	48.70	1.80
143	50.00	1.80
171	65.00	1.80
021	7.10	2.65
023	7.50	2.65
025	8.00	2.65
027	8.50	2.65
029	8.75	2.65
031	9.00	2.65
033	9.50	2.65
035	10.00	2.65
037	10.60	2.65
039	11.20	2.65
041	11.80	2.65
043	12.50	2.65
045	13.20	2.65
047	14.00	2.65
049	15.00	2.65
051	16.00	2.65
053	17.00	2.65
055	18.00	2.65
058	19.00	2.65
061	20.00	2.65
064	21.20	2.65
067	22.40	2.65
070	23.60	2.65
073	25.00	2.65
076	25.80	2.65
079	26.50	2.65
082	28.00	2.65

NO	I.D 内径	C/S 线径
980	30.00	2.65
880	31.50	2.65
094	32.50	2.65
60	33.50	2.65
097	34.50	2.65
100	35.50	2.65
103	36.50	2.65
106	37.50	2.65
109	38.70	2.65
112	40.00	2.65
116	41.20	2.65
120	42.50	2.65
124	43.70	2.65
128	45.00	2.65
132	46.20	2.65
136	47.50	2.65
140	48.70	2.65
144	50.00	2.65
147	51.50	2.65
150	53.00	2.65
153	54.50	2.65
156	56.00	2.65
159	58.00	2.65
162	60.00	2.65
165	61.50	2.65
168	63.00	2.65
172	65.00	2.65
175	67.00	2.65
178	69.00	2.65
181	71.00	2.65
184	73.00	2.65
187	74.40	2.65
188	75.00	2.65
193	80.00	2.65
198	85.00	2.65
203	90.00	2.65
208	95.00	2.65
213	100.00	2.65
218	106.00	2.65
224	112.00	2.65
231	118.00	2.65
238	125.00	2.65
245	132.00	2.65
252	140.00	2.65
259	150.00	2.65
266	160.00	2.65

O-Ring

中国标（C92 Chinese - standard）

NO	I.D 内径	C/S 线径
273	170.00	2.65
280	180.00	2.65
056	18.00	3.55
059	19.00	3.55
062	20.00	3.55
065	21.20	3.55
068	22.40	3.55
071	23.60	3.55
074	25.00	3.55
077	25.80	3.55
080	26.50	3.55
083	28.00	3.55
086	30.00	3.55
089	31.50	3.55
092	32.50	3.55
095	33.50	3.55
098	34.50	3.55
10	35.50	3.55
104	36.50	3.55
107	37.50	3.55
110	38.70	3.55
113	40.00	3.55
117	41.20	3.55
121	42.50	3.55
125	43.70	3.55
129	45.00	3.55
133	46.20	3.55
137	47.50	3.55
141	48.70	3.55
145	50.00	3.55
148	51.50	3.55
151	53.00	3.55
154	54.50	3.55
157	56.00	3.55
160	58.00	3.55
163	60.00	3.55
166	61.50	3.55
169	63.00	3.55
173	65.00	3.55
176	67.00	3.55
179	69.00	3.55
182	71.00	3.55
185	73.00	3.55
189	75.00	3.55
11	77.50	3.55
194	80.00	3.55

NO	I.D 内径	C/S 线径
196	82.50	3.55
199	85.00	3.55
201	87.50	3.55
204	90.00	3.55
206	92.50	3.55
209	95.00	3.55
211	97.50	3.55
214	100.00	3.55
216	103.00	3.55
219	106.00	3.55
221	109.00	3.55
225	112.00	3.55
228	115.00	3.55
232	118.00	3.55
235	122.00	3.55
239	125.00	3.55
242	128.00	3.55
246	132.00	3.55
249	136.00	3.55
253	140.00	3.55
256	145.00	3.55
260	150.00	3.55
263	155.00	3.55
267	160.00	3.55
270	165.00	3.55
274	170.00	3.55
277	175.00	3.55
281	180.00	3.55
284	185.00	3.55
287	190.00	3.55
290	195.00	3.55
293	200.00	3.55
114	40.00	5.30
118	41.20	5.30
122	42.50	5.30
126	43.70	5.30
130	45.00	5.30
134	46.20	5.30
138	47.50	5.30
142	48.70	5.30
146	50.00	5.30
149	51.50	5.30
152	53.00	5.30
155	54.50	5.30
158	56.00	5.30
161	58.00	5.30

NO	I.D 内径	C/S 线径
164	60.00	5.30
167	61.50	5.30
170	63.00	5.30
174	65.00	5.30
177	67.00	5.30
180	69.00	5.30
183	71.00	5.30
186	73.00	5.30
190	75.00	5.30
192	77.50	5.30
195	80.00	5.30
197	82.50	5.30
200	85.00	5.30
202	87.50	5.30
205	90.00	5.30
207	92.50	5.30
210	95.00	5.30
212	97.50	5.30
215	100.00	5.30
217	103.00	5.30
220	106.00	5.30
222	109.00	5.30
226	112.00	5.30
229	115.00	5.30
236	118.00	5.30
887	122.00	5.30
240	125.00	5.30
243	128.00	5.30
247	132.00	5.30
250	136.00	5.30
254	140.00	5.30
257	145.00	5.30
261	150.00	5.30
264	155.00	5.30
268	160.00	5.30
271	165.00	5.30
275	170.00	5.30
278	175.00	5.30
282	180.00	5.30
285	185.00	5.30
288	190.00	5.30
291	195.00	5.30
294	200.00	5.30
297	212.00	5.30
300	224.00	5.30
303	236.00	5.30

O-Ring

中国标（C92 Chinese - standard）

NO	I.D 内径	C/S 线径
306	250.00	5.30
309	265.00	5.30
312	280.00	5.30
315	300.00	5.30
318	315.00	5.30
321	335.00	5.30
324	355.00	5.30
327	400.00	5.30
223	109.00	7.00
227	112.00	7.00
230	115.00	7.00
234	118.00	7.00
237	122.00	7.00
241	125.00	7.00
244	128.00	7.00
248	132.00	7.00
251	136.00	7.00
255	140.00	7.00
258	145.00	7.00
262	150.00	7.00
265	155.00	7.00
269	160.00	7.00
272	165.00	7.00
276	170.00	7.00
279	175.00	7.00
283	180.00	7.00
286	185.00	7.00
289	190.00	7.00
292	195.00	7.00
295	200.00	7.00
296	206.00	7.00
298	212.00	7.00
299	218.00	7.00
301	224.00	7.00
302	230.00	7.00
304	236.00	7.00
305	243.00	7.00
307	250.00	7.00
308	258.00	7.00
310	265.00	7.00
311	272.00	7.00
313	280.00	7.00
314	290.00	7.00
316	300.00	7.00
317	307.00	7.00
319	315.00	7.00

NO	I.D 内径	C/S 线径
320	325.00	7.00
322	335.00	7.00
323	345.00	7.00
325	355.00	7.00
326	365.00	7.00
328	400.00	7.00
329	412.00	7.00
330	425.00	7.00
331	437.00	7.00
332	450.00	7.00
333	462.00	7.00
334	475.00	7.00
335	487.00	7.00
336	500.00	7.00

美标（AS568 American standard）

P/N	I.D 内径	C/S 线径
AS568-001	0.74	1.02
AS568-002	1.07	1.27
AS568-003	1.42	1.52
AS568-004	1.78	1.78
AS568-005	2.57	1.78
AS568-006	2.90	1.78
AS568-007	3.68	1.78
AS568-008	4.47	1.78
AS568-009	5.28	1.78
AS568-010	6.07	1.78
AS568-011	7.65	1.78
AS568-012	9.25	1.78
AS568-013	10.82	1.78
AS568-014	12.42	1.78
AS568-015	14.00	1.78
AS568-016	15.60	1.78
AS568-017	17.17	1.78
AS568-018	18.77	1.78
AS568-019	20.35	1.78
AS568-020	21.95	1.78
AS568-021	23.52	1.78
AS568-022	25.12	1.78
AS568-023	26.70	1.78
AS568-024	28.30	1.78
AS568-025	29.87	1.78
AS568-026	31.47	1.78
AS568-027	33.05	1.78
AS568-028	34.65	1.78

P/N	I.D 内径	C/S 线径
AS568-029	37.82	1.78
AS568-030	41.00	1.78
AS568-031	44.17	1,78
AS568-032	47.35	1.78
AS568-033	50.52	1.78
AS568-034	53.70	1.78
AS568-035	56.87	1.78
AS568-036	60.05	1.78
AS568-037	63.22	1.78
AS568-038	66.40	1.78
AS568-039	69.57	1.78
AS568-040	72.75	1.78
AS568-041	75.92	1.78
AS568-042	82.27	1.78
AS568-043	88.62	1.78
AS568-044	94.97	1.78
AS568-045	101.32	1.78
AS568-046	107.67	1.78
AS568-047	114.02	1.78
AS568-048	120.37	1.78
AS568-049	126.72	1.78
AS568-050	133.07	1.78
AS568-907	13.47	2.08
AS568-908	16.36	2.21
AS568-910	19.18	2.46
AS568-102	1.24	2.62
AS568-103	2.05	2.62
AS568-104	2.85	2.62
AS568-105	3.63	2.62
AS568-106	4.42	2.62
AS568-107	5.23	2.62
AS568-108	6.02	2.62
AS568-110	9.20	2.62
AS568-111	10.77	2.62
AS568-112	12.37	2.62
AS568-113	13.95	2.62
AS568-114	15.55	2.62
AS568-115	17.12	2.62
AS568-116	18.72	2.62
AS568-117	20.30	2.62
AS568-118	21.90	2.62
AS568-119	23.47	2.62
AS568-120	25.07	2.62
AS568-121	26.65	2.62
AS568-122	28.25	2.62
AS568-123	29.82	2.62

O-Ring

O-Ring

美标 AS568 American standard

P/N	I.D 内径	C/S 线径
AS568-124	31.42	2.62
AS568-125	33.00	2.62
AS568-126	34.60	2.62
AS568-127	36.17	2.62
AS568-128	37.77	2.62
AS568-129	39.35	2.62
AS568-130	40.95	2.62
AS568-131	42.52	2.62
AS568-132	44.12	2.62
AS568-133	45.70	2.62
AS568-134	47.30	2.62
AS568-135	48.90	2.62
AS568-136	50.47	2.62
AS568-137	52.07	2.62
AS568-138	53.64	2.62
AS568-139	55.25	2.62
AS568-140	56.82	2.62
AS568-141	58.42	2.62
AS568-142	59.99	2.62
AS568-143	61.60	2.62
AS568-144	63.17	2.62
AS568-145	64.77	2.62
AS568-146	66.34	2.62
AS568-147	67.95	2.62
AS568-148	69.52	2.62
AS568-149	71.12	2.62
AS568-150	72.70	2.62
AS568-151	75.87	2.62
AS568-152	82.22	2.62
AS568-153	88.57	2.62
AS568-154	94.92	2.62
AS568-155	101.27	2.62
AS568-156	107.62	2.62
AS568-157	113.97	2.62
AS568-158	120.32	2.62
AS568-159	126.67	2.62
AS568-160	133.02	2.62
AS568-161	139.37	2.62
AS568-162	145.72	2.62
AS568-163	152.07	2.62
AS568-164	158.42	2.62
AS568-165	164.77	2.62
AS568-166	171.22	2.62
AS568-167	177.47	2.62
AS568-168	183.82	2.62
AS568-169	190.17	2.62

P/N	I.D 内径	C/S 线径
AS568-170	196.52	2.62
AS568-171	202.87	2.62
AS568-172	209.22	2.62
AS568-173	215.57	2.62
AS568-175	228.27	2.62
AS568-176	234.62	2.62
AS568-177	240.97	2.62
AS568-178	247.32	2.62
AS568-201	4.34	3.53
AS568-202	5.94	3.53
AS568-203	7.52	3.53
AS568-204	9.12	3.53
AS568-205	10.69	3.53
AS568-206	12.29	3.53
AS568-207	13.87	3.53
AS568-208	15.47	3.53
AS568-209	17.04	3.53
AS568-210	18.64	3.53
AS568-211	20.22	3.53
AS568-212	21.82	3.53
AS568-213	23.39	3.53
AS568-214	24.99	3.53
AS568-215	26.57	3.53
AS568-216	28.17	3.53
AS568-217	29.74	3.53
AS568-218	31.34	3.53
AS568-219	32.92	3.53
AS568-220	34.52	3.53
AS568-221	36.09	3.53
AS568-222	37.69	3.53
AS568-223	40.87	3.53
AS568-224	44.04	3.53
AS568-225	47.22	3.53
AS568-226	50.39	3.53
AS568-227	53.57	3.53
AS568-228	56.75	3.53
AS568-229	59.92	3.53
AS568-230	63.09	3.53
AS568-231	66.27	3.53
AS568-232	69.44	3.53
AS568-233	72.62	3.53
AS568-234	75.80	3.53
AS568-235	78.97	3.53
AS568-236	82.14	3.53
AS568-237	85.32	3.53
AS568-238	88.49	3.53

P/N	I.D 内径	C/S 线径
AS568-239	91.67	3.53
AS568-240	94.84	3.53
AS568-241	98.02	3.53
AS568-242	101.20	3.53
AS568-243	104.37	3.53
AS568-244	107.54	3.53
AS568-245	110.72	3.53
AS568-246	113.89	3.53
AS568-247	117.07	3.53
AS568-248	120.25	3.53
AS568-249	123.42	3.53
AS568-250	126.60	3.53
AS568-251	129.77	3.53
AS568-252	132.95	3.53
AS568-253	136.12	3.53
AS568-254	139.30	3.53
AS568-255	142.47	3.53
AS568-256	145.64	3.53
AS568-257	148.82	3.53
AS568-258	151.99	3.53
AS568-259	158.34	3.53
AS568-260	164.70	3.53
AS568-261	171.04	3.53
AS568-262	177.40	3.53
AS568-263	183.74	3.53
AS568-264	190.10	3.53
AS568-265	196.44	3.53
AS568-266	202,80	3.53
AS568-267	209.14	3.53
AS568-268	215.50	3.53
AS568-269	221.84	3.53
AS568-270	228.20	3.53
AS568-271	234.55	3.53
AS568-272	240.90	3.53
AS568-273	247.25	3.53
AS568-274	253.60	3.53
AS568-275	266.29	3.53
AS568-276	278.99	3.53
AS568-277	291.69	3.53
AS568-278	304.39	3.53
AS568-279	329.79	3.53
AS568-280	355.20	3.53
AS568-281	380.59	3.53
AS568-282	405.26	3.53
AS568-283	430.66	3.53
AS568-284	456.06	3.53

美标（AS568 American standard）

P/N	I.D内径	C/S线径
AS568-309	10.46	5.33
AS568-310	12.07	5.33
AS568-311	13.64	5.33
AS568-312	15.24	5.33
AS568-313	16.81	5.33
AS568-314	18.42	5.33
AS568-315	19.99	5.33
AS568-316	21.59	5.33
AS568-317	23.16	5.33
AS568-318	24.77	5.33
AS568-319	26.34	5.33
AS568-320	27.94	5.33
AS568-321	29.51	5.33
AS568-322	31.12	5.33
AS568-323	32.69	5.33
AS568-324	34.29	5.33
AS568-325	37.47	5.33
AS568-326	40.64	5.33
AS568-327	43.82	5.33
AS568-328	46.99	5.33
AS568-329	50.17	5.33
AS568-330	53.34	5.33
AS568-331	56.52	5.33
AS568-332	59.69	5.33
AS568-333	62.87	5.33
AS568-334	66.04	5.33
AS568-335	69.22	5.33
AS568-336	72.39	5.33
AS568-337	75.57	5.33
AS568-338	78.74	5.33
AS568-339	81.92	5.33
AS568-340	85.09	5.33
AS568-341	88.27	5.33
AS568-342	91.44	5.33
AS568-343	94.62	5.33
AS568-344	97.79	5.33
AS568-345	100.97	5.33
AS568-346	104.14	5.33
AS568-347	107.32	5.33
AS568-348	110.49	5.33
AS568-349	113.67	5.33
AS568-350	116.84	5.33
AS568-351	120.02	5.33
AS568-352	123.19	5.33
AS568-353	126.37	5.33
AS568-354	129.54	5.33
AS568-355	132.72	5.33
AS568-356	135.89	5.33

P/N	I.D内径	C/S线径
AS568-357	139.07	5.33
AS568-358	142.24	5.33
AS568-359	145.42	5.33
AS568-360	148.59	5.33
AS568-361	151.77	5.33
AS568-362	158.12	5.33
AS568-363	164.47	5.33
AS568-364	170.82	5.33
AS568-365	177.17	5.33
AS568-366	183.52	5.33
AS568-367	189.87	5.33
AS568-368	196.22	5.33
AS568-369	202.57	5.33
AS568-370	208.92	5.33
AS568-371	215.27	5.33
AS568-372	221.62	5.33
AS568-373	227.97	5.33
AS568-374	234.32	5.33
AS568-375	240.67	5.33
AS568-376	247.02	5.33
AS568-377	253.37	5.33
AS568-378	266.07	5.33
AS568-379	278.77	5.33
AS568-380	291.47	5.33
AS568-381	304.17	5.33
AS568-382	329.57	5.33
AS568-383	354.97	5.33
AS568-384	380.37	5.33
AS568-385	405.26	5.33
AS568-386	430.66	5.33
AS568-387	456.06	5.33
AS568-408	59.69	6.99
AS568-423	107.32	6.99
AS568-425	113.67	6.99
AS568-426	116.84	6.99
AS568-427	120.02	6.99
AS568-428	123.19	6.99
AS568-429	126.37	6.99
AS568-430	129.54	6.99
AS568-431	132.72	6.99
AS568-432	135.89	6.99
AS568-433	139.07	6.99
AS568-434	142.24	6.99
AS568-435	145.42	6.99
AS568-436	148.59	6.99
AS568-437	151.77	6.99
AS568-438	158.12	6.99
AS568-439	164.47	6.99

P/N	I.D内径	C/S线径
AS568-440	170.82	6.99
AS568-441	177.17	6.99
AS568-442	183.52	6.99
AS568-443	189.87	6.99
AS568-444	196.22	6.99
AS568-445	202.57	6.99
AS568-446	215.27	6.99
AS568-447	227.97	6.99
AS568-448	240.67	6.99
AS568-449	253.37	6.99
AS568-450	266.06	6.99
AS568-451	278.77	6.99
AS568-452	291.47	6.99
AS568-453	304.17	6.99
AS568-454	316.87	6.99
AS568-455	329.57	6.99
AS568-456	342.27	6.99
AS568-457	354.97	6.99
AS568-458	367.67	6.99
AS568-459	380.37	6.99
AS568-460	393.07	6.99
AS568-461	405.26	6.99
AS568-462	417.96	6.99
AS568-463	430.66	6.99
AS568-464	443.36	6.99
AS568-465	456.06	6.99
AS568-466	468.76	6.99
AS568-467	481.46	6.99
AS568-468	494.16	6.99
AS568-901	4.7	1.42
AS568-902	6.07	1.63
AS568-903	7.65	1.63
AS568-904	8.92	1.83
AS568-905	10.52	1.83
AS568-906	11.89	1.98
AS568-907	13.46	2.08
AS568-908	16.36	2.21
AS568-909	17.94	2.46
AS568-910	19.18	2.46
AS568-911	21.92	2.95
AS568-912	23.47	2.95
AS568-913	25.04	2.95
AS568-914	26.6	2.95
AS568-916	29.75	2.95
AS568-918	34.42	2.95
AS568-920	37.46	3
AS568-924	43.68	3
AS568-928	53.09	3
AS568-932	59.36	3

O-Ring

日标（JISB2401 P,G Japanese-standard）

日标序号	I.D 内径	C/S 线径
J - P3	2.80	1.90
J - P4	3.80	1.90
J - P5	4.80	1,90
J - P6	5.80	1.90
J - P7	6.80	1.90
J - P8	7.80	1.90
J - P9	8.80	1.90
J - P10	9.80	1.90
J - P10A	9.80	2.40
J - P11	10.80	2.40
J - P11.2	11.00	2.40
J - P12	11.80	2.40
J - P12.5	12.30	2.40
J - P14	13.80	2.40
J - P15	14.80	2.40
J -P16	15.80	2.40
J - P18	17.80	2.40
J - P20	19.80	2.40
J - P21	20.80	2.40
J - P22	21.80	2.40
J - G25	24.40	3.10
J - G30	29.40	3.10
J- G35	34.40	3.10
J - G40	39.40	3.10
J -G45	44.40	3.10
J - G50	49.40	3.10
J - G55	54.40	3.10
J - G60	59.40	3.10
J - G65	64.40	3.10
J - G70	69.40	3.10
J - G75	74.40	3.10
J - G80	79.40	3.10
J - G85	84.40	3.10
J - G90	89.40	3.10
J - G95	94.40	3.10
J - G100	99.40	3.10
J - G105	104.40	3.10
J - G110	109.40	3.10
J - G115	114.40	3.10
J - G120	119.40	3.10
J - G125	124.40	3.10
J - G130	129.40	3.10
J - G135	134.40	3.10
J - G140	139.40	3.10
J - G145	144.40	3.10
J - P22A	21.70	3.50

日标序号	I.D 内径	C/S 线径
J - P22.4	22.10	3.50
J - P24	23.70	3.50
J - P25	24.70	3.50
J - P25.5	25.20	3.50
J - P26	25.70	3.50
J - P28	27.70	3.50
J - P29	28.70	3.50
J - P29.5	29.20	3.50
J - P30	29.70	3.50
J - P31	30.70	3.50
J - P31.5	31.20	3.50
J - P32	31.70	3.50
J - P34	33.70	3.50
J - P35	34.70	3.50
J - P35.5	35.20	3.50
J - P36	35.70	3.50
J - P38	37.70	3.50
J - P39	38.70	3.50
J - P40	39.70	3.50
J - P41	40.70	3.50
J - P42	41.70	3.50
J - P44	43.70	3.50
J - P45	44.70	3.50
J - P46	45.70	3.50
J - P48	47.70	3.50
J - P49	48.70	3.50
J - P50	49.70	3.50
J - P48A	47.60	5.70
J - P50A	49.60	5.70
J - P52	51.60	5.70
J - P53	52.60	5.70
J - P55	54.60	5.70
J - P56	55.60	5.70
J - P58	57.60	5.70
J - P60	59.60	5.70
J - P62	61.60	5.70
J - P63	62.60	5.70
J - P65	64.60	5.70
J - P67	66.60	5.70
J - P70	69.60	5.70
J - P71	70.60	5.70
J - P75	74.60	5.70
J - P80	79.60	5.70
J - P85	84.60	5.70
J - P90	89.60	5.70
J - P95	94.60	5.70

日标序号	I.D 内径	C/S 线径
J - P100	99.60	5.70
J - P102	101.60	5.70
J - P105	104.60	5.70
J - P110	109.60	5.70
J - P112	111.60	5.70
J -P115	114.60	5.70
J - P120	119.60	5.70
J - P125	124.60	5.70
J - P130	129.60	5.70
J - P132	131.60	5.70
J - P135	134.60	5.70
J - P140	139.60	5.70
J - P145	144.60	5.70
J - G150	149.30	5.70
J - 150	149.60	5.70
J - G155	154.30	5.70
J - G160	159.30	5.70
J - G165	164.30	5.70
J - G170	169.30	5.70
J - G175	174.30	5.70
J - G180	179.30	5.70
J - G185	184.30	5.70
J - G190	189.30	5.70
J - G195	194.30	5.70
J - G200	199.30	5.70
J - G210	209.30	5.70
J - G220	219.30	5.70
J - G230	229.30	5.70
J - G240	239.30	5.70
J - G250	249.30	5.70
J - G260	259.30	5.70
J - G270	269.30	5.70
J - G280	279.30	5.70
J - G290	289.30	5.70
J - G300	299.30	5.70
J - P150A	149.50	8.40
J - P155	154.50	8.40
J - P160	159.50	8.40
J - P165	164.50	8.40
J - P170	169.50	8.40
J - P175	174.50	8.40
J - P180	179.50	8.40
J - P185	184.50	8.40
J - P190	189.50	8.40
J - P195	194.50	8.40
J - P200	199.50	8.40

O-Ring

日标（JISB2401 P,G Japanese-standard）

日标序号	I.D 内径	C/S 线径
J - P205	204.50	8.40
J - P209	208.50	8.40
J - P210	209.50	8.40
J - P215	214.50	8.40
J - P220	219.50	8.40
J - P225	224.50	8.40
J - P230	229.50	8.40
J - P235	234.50	8.40
J - P240	239.50	8.40
J - P245	244.50	8.40
J - P250	249.50	8.40
J - P255	254.50	8.40
J - P260	259.50	8.40
J - P265	264.50	8.40
J - P270	269.50	8.40
J - P275	274.50	8.40
J - P280	279.50	8.40
J - P285	284.50	8.40
J - P290	289.50	8.40
J - P295	294.50	8.40
J - P300	299.50	8.40
J - P315	314.50	8.40
J - P320	319.50	8.40
J - P335	334.50	8.40
J - P340	339.50	8.40
J - P355	354.50	8.40
J - P360	359.50	8.40
J - P375	374.50	8.40
J - P385	384.50	8.40
J - P400	399.50	8.40

欢凌标准HL-standard）

HL 序号	I.D 内径	C/S 线径
HL001	1.20	1.00
HL002	1.50	1.00
HL003	1.80	1.00
HL004	2.00	1.00
HL005	2.20	1.00
HL006	2.50	1.00
HL007	3.00	1.00
HL008	3.20	1.00
HL009	3.50	1.00
HL010	4.00	1.00
HL011	4.50	1.00
HL012	4.80	1.00

HL序号	I.D 内径	C/S 线径
HL013	5.00	1.00
HL014	5.00	1.00
HL015	5.50	1.00
HL016	6.00	1.00
HL017	6.50	1.00
HL018	7.00	1.00
HL019	7.50	1.00
HL020	8.00	1.00
HL021	9.00	1.00
HL022	9.50	1.00
HL023	10.00	1.00
HL024	10.50	1.00
HL025	10.60	1.00
HL026	11.00	1.00
HL027	12.00	1.00
HL028	13.00	1.00
HL030	13.50	1.00
HL031	14.00	1.00
HL032	14.50	1.00
HL033	16.00	1.00
HL034	17.00	1.00
HL035	18.00	1.00
HL036	20.00	1.00
HL037	23.00	1.00
HL038	25.00	1.00
HL039	27.00	1.00
HL040	30.00	1.00
HL041	31.00	1.00
HL042	34.00	1.00
HL043	38.00	1.00
HL044	57.00	1.00
HL045	77.00	1.00
HL046	1.60	1.20
HL047	1.80	1.20
HL048	2.60	1.20
HL049	3.10	1.20
HL050	3.30	1.20
HL051	3.50	1.20
HL052	3.60	1.20
HL053	4.20	1.20
HL054	4.60	1.20
HL055	5.60	1.20
HL056	7.50	1.20
HL057	7.60	1.20
HL058	9.00	1.20
HL059	9.60	1.20

HL 序号	I.D 内径	C/S 线径
HL060	12.20	1.2
HL061	13.00	1.2
HL062	20.80	1.2
HL063	28.80	1.2
HL064	3.40	1.3
HL065	3.80	1.3
HL066	4.40	1.3
HL067	5.40	1.3
HL068	6.40	1.3
HL069	6.80	1.3
HL070	9.40	1.3
HL071	15.70	1.3
HL072	1.00	1.5
HL073	1.50	1.5
HL074	2.00	1.5
HL075	2.50	1.5
HL076	3.00	1.5
HL077	3.50	1.5
HL078	4.00	1.5
HL079	4.50	1.5
HL080	5.00	1.5
HL081	5.50	1.5
HL082	6.00	1.5
HL083	6.50	1.5
HL084	7.00	1.5
HL085	7.50	1.5
HL086	8.00	1.5
HL087	8.50	1.5
HL088	9.00	1.5
HL089	9.60	1.5
HL090	10.00	1.5
HL092	10.50	1.5
HL095	11.00	1.5
HL097	11.50	1.5
HL098	12.00	1.5
HL099	12.50	1.5
HL100	13.00	1.5
HL101	13.80	1.5
HL102	14.00	1.5
HL103	14.50	1.5
HL104	15.00	1.5
HL105	15.65	1.5
HL106	16.00	1.5
HL107	16.50	1.5
HL109	17.00	1.5
HL110	17.50	1.5

O-Ring

O-Ring

欢凌标准HL-standard)

HL 序号	I.D 内径	C/S 线径
HL112	18.00	1.50
HL113	19.00	1.50
HL114	19.50	1.50
HL115	20.00	1.50
HL116	21.00	1.50
HL117	22.00	1.50
HL118	26.00	1.50
HL119	27.00	1.50
HL120	29.00	1.50
HL121	30.00	1.50
HL122	31.00	1.50
HL123	35.00	1.50
HL124	38.50	1.50
HL125	40.00	1.50
HL126	43.00	1.50
HL127	45.00	1.50
HL128	47.50	1.50
HL129	51.00	1.50
HL130	52.00	1.50
HL131	53.00	1.50
HL133	53.80	1.50
HL134	55.00	1.50
HL135	63.00	1.50
HL136	72.00	1.50
HL137	80.50	1.50
HL140	136.00	1.50
HL141	177.00	1.50
HL142	179.00	1.50
HL143	182.00	1.50
HL145	292.00	1.50
HL146	327.00	1.50
HL147	350.00	1.50
HL148	2.20	1.60
HL149	2.60	1.60
HL150	2.80	1.60
HL151	2.80	1.60
HL152	3.20	1.60
HL153	4.00	1.60
HL154	4.00	1.60
HL155	6.80	1.60
HL156	7.10	1.60
HL157	7.80	1.60
HL158	8.10	1.60
HL159	10.80	1.60
HL160	13.00	1.60
HL162	18.00	1.60

HL 序号	I.D 内径	C/S 线径
HL163	1.20	1.90
HL164	2.20	1.90
HL165	2.70	1.90
HL166	3.20	1.90
HL167	3.70	1.90
HL168	4.20	1.90
HL169	4.40	1.90
HL170	5.00	1.90
HL171	5.20	1.90
HL172	5.50	1.90
HL173	5.70	1.90
HL174	6.20	1.90
HL175	6.40	1.90
HL176	7.20	1.90
HL177	8.20	1.90
HL178	9.20	1.90
HL179	10.20	1.90
HL180	10.50	1.90
HL181	11.20	1.90
HL182	12.20	1.90
HL183	13.20	1.90
HL184	13.50	1.90
HL185	14.00	1.90
HL186	14.20	1.90
HL187	15.20	1.90
HL188	16.20	1.90
HL189	17.20	1.90
HL190	18.20	1.90
HL191	18.80	1.90
HL192	19.20	1.90
HL193	20.20	1.90
HL194	21.20	1.90
HL195	22.20	1.90
HL196	23.00	1.90
HL197	23.20	1.90
HL198	27.20	1.90
HL199	28.20	1.90
HL200	36.20	1.90
HL201	42.20	1.90
HL202	46.20	1.90
HL203	51.20	1.90
HL204	54.00	1.90
HL205	54.20	1.90
HL206	59.20	1.90
HL207	66.20	1.90
HL208	76.20	1.90

HL 序号	I.D 内径	C/S 线径
HL209	81.20	1.9
HL210	96.20	1.9
HL211	116.20	1.9
HL212	120.00	1.9
HL213	2.00	2
HL214	2.30	2
HL215	2.50	2
HL216	2.80	2
HL217	4.00	2
HL219	4.60	2
HL220	5.00	2
HL221	6.00	2
HL222	6.50	2
HL223	6.70	2
HL224	7.00	2
HL225	7.60	2
HL226	8.00	2
HL227	8.50	2
HL229	9.00	2
HL230	9.50	2
HL231	10.00	2
HL232	10.50	2
HL233	11.00	2
HL234	11.50	2
HL235	12.00	2
HL236	12.50	2
HL237	13.00	2
HL238	14.00	2
HL239	15.00	2
HL240	16.00	2
HL241	17.00	2
HL242	17.40	2
HL243	18.00	2
HL244	18.50	2
HL245	18.60	2
HL246	19.00	2
HL247	20.00	2
HL248	21.00	2
HL249	22.50	2
HL250	24.00	2
HL251	24.80	2
HL252	26.00	2
HL253	26.50	2
HL254	27.00	2
HL255	27.50	2
HL256	29.00	2

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HL 序号	I.D 内径	C/S 线径
HL257	30.00	2.00
HL258	31.00	2.00
HL259	32.00	2.00
HL260	33.00	2.00
HL261	33.50	2.00
HL262	34.00	2.00
HL263	35.00	2.00
HL264	36.00	2.00
HL265	37.00	2.00
HL266	38.00	2.00
HL267	38.50	2.00
HL268	40.00	2.00
HL269	43.00	2.00
HL270	44.00	2.00
HL271	46.00	2.00
HL272	48.00	2.00
HL273	50.00	2.00
HL274	52.00	2.00
HL275	54.00	2.00
HL276	56.50	2.00
HL277	58.00	2.00
HL278	60.00	2.00
HL279	67.70	2.00
HL280	68.00	2.00
HL281	70.80	2.00
HL282	71.00	2.00
HL283	72.00	2.00
HL284	72.60	2.00
HL285	73.00	2.00
HL286	78.00	2.00
HL287	81.00	2.00
HL288	82.00	2.00
HL289	85.00	2.00
HL290	86.00	2.00
HL291	90.00	2.00
HL292	93.00	2.00
HL293	97.00	2.00
HL294	98.00	2.00
HL295	105.00	2.00
HL296	110.00	2.00
HL297	119.50	2.00
HL298	125.00	2.00
HL299	128.00	2.00
HL300	140.00	2.00
HL301	143.00	2.00
HL302	170.00	2.00

HL 序号	I.D 内径	C/S 线径
HL303	175.30	2.00
HL304	180.00	2.00
HL305	200.00	2.00
HL306	220.00	2.00
HL307	250.00	2.00
HL308	306.00	2.00
HL309	309.00	2.00
HL310	397.00	2.00
HL311	3.20	2.40
HL312	3.70	2.40
HL313	4.20	2.40
HL314	5.20	2.40
HL315	5.50	2.40
HL316	6.20	2.40
HL317	7.20	2.40
HL318	8.20	2.40
HL319	9.20	2.40
HL320	10.20	2.40
HL321	11.20	2.40
HL322	12.40	2.40
HL323	13.20	2.40
HL324	14.20	2.40
HL325	15.20	2.40
HL326	16.20	2.40
HL327	17.20	2.40
HL328	18.20	2.40
HL329	19.20	2.40
HL330	20.20	2.40
HL331	21.20	2.40
HL332	22.20	2.40
HL333	23.20	2.40
HL334	23.60	2.40
HL335	24.20	2.40
HL336	25.00	2.40
HL337	25.20	2.40
HL338	26.20	2.40
HL339	27.40	2.40
HL340	28.20	2.40
HL341	29.20	2.40
HL342	30.20	2.40
HL343	31.20	2.40
HL344	32.20	2.40
HL345	33.20	2.40
HL346	36.50	2.40
HL347	37.20	2.40
HL348	40.20	2.40

HL 序号	I.D 内径	C/S 线径
HL349	45.20	2.40
HL350	53.20	2.40
HL351	55.20	2.40
HL352	60.20	2.40
HL353	75.20	2.40
HL354	77.20	2.40
HL355	90.20	2.40
HL356	92.20	2.40
HL357	95.00	2.40
HL358	95.20	2.40
HL359	97.00	2.40
HL360	100.20	2.40
HL361	115.20	2.40
HL362	135.20	2.40
HL363	155.20	2.40
HL364	175.20	2.40
HL365	195.20	2.40
HL366	3.00	2.50
HL367	5.00	2.50
HL368	6.00	2.50
HL369	7.00	2.50
HL370	7.50	2.50
HL371	8.00	2.50
HL372	9.00	2.50
HL373	9.50	2.50
HL374	10.00	2.50
HL375	10.50	2.50
HL376	11.00	2.50
HL377	11.50	2.50
HL378	12.00	2.50
HL379	12.70	2.50
HL380	14.00	2.50
HL381	15.00	2.50
HL382	16.30	2.50
HL383	18.00	2.50
HL384	18.40	2.50
HL385	19.00	2.50
HL386	20.00	2.50
HL387	21.00	2.50
HL388	22.00	2.50
HL389	23.00	2.50
HL390	24.00	2.50
HL391	26.00	2.50
HL392	27.00	2.50
HL393	28.00	2.50
HL394	28.40	2.50

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HL 序号	I.D 内径	C/S 线径
HL395	30.00	2.50
HL396	31.00	2.50
HL397	32.00	2.50
HL398	35.00	2.50
HL399	38.00	2.50
HL400	40.00	2.50
HL401	42.00	2.50
HL402	43.00	2.50
HL403	45.00	2.50
HL404	47.00	2.50
HL405	50.00	2.50
HL406	51.00	2.50
HL407	58.00	2.50
HL408	60.00	2.50
HL409	63.40	2.50
HL410	64.00	2.50
HL411	75.00	2.50
HL413	76.00	2.50
HL414	83.00	2.50
HL415	89.00	2.50
HL416	96.00	2.50
HL417	99.00	2.50
HL418	104.00	2.50
HL420	120.00	2.50
HL421	128.00	2.50
HL422	138.52	2.50
HL423	167.00	2.50
HL424	180.00	2.50
HL425	320.00	2.50
HL426	5.00	3.00
HL427	6.00	3.00
HL428	8.00	3.00
HL429	8.70	3.00
HL430	9.00	3.00
HL431	11.00	3.00
HL432	12.94	3.00
HL433	14.00	3.00
HL434	15.50	3.00
HL435	16.00	3.00
HL436	16.50	3.00
HL437	19.00	3.00
HL438	19.20	3.00
HL439	20.00	3.00
HL440	20.50	3.00
HL441	21.00	3.00
HL442	22.00	3.00

HL 序号	I.D 内径	C/S 线径
HL443	22.50	3.00
HL444	23.00	3.00
HL445	24.00	3.00
HL446	24.20	3.00
HL447	24.50	3.00
HL448	25.00	3.00
HL449	25.80	3.00
HL450	26.50	3.00
HL451	27.00	3.00
HL452	28.00	3.00
HL453	29.00	3.00
HL454	30.00	3.00
HL455	32.00	3.00
HL456	33.00	3.00
HL457	34.20	3.00
HL458	37.47	3.00
HL459	38.00	3.00
HL460	39.00	3.00
HL461	39.20	3.00
HL462	40.00	3.00
HL463	42.00	3.00
HL464	44.00	3.00
HL465	45.00	3.00
HL466	47.00	3.00
HL467	48.00	3.00
HL468	50.00	3.00
HL469	52.00	3.00
HL470	54.50	3.00
HL471	56.00	3.00
HL472	57.00	3.00
HL473	59.50	3.00
HL474	60.00	3.00
HL475	61.00	3.00
HL476	65.00	3.00
HL477	67.00	3.00
HL478	70.00	3.00
HL479	75.00	3.00
HL480	76.00	3.00
HL481	80.00	3.00
HL482	85.00	3.00
HL483	98.00	3.00
HL484	99.50	3.00
HL485	100.00	3.00
HL486	101.00	3.00
HL487	105.00	3.00
HL488	115.00	3.00

HL 序号	I.D 内径	C/S 线径
HL489	128.00	3.00
HL490	130.00	3.00
HL491	134.50	3.00
HL492	150.00	3.00
HL493	153.00	3.00
HL494	156.00	3.00
HL495	160.00	3.00
HL496	161.00	3.00
HL497	163.00	3.00
HL498	182.00	3.00
HL499	185.00	3.00
HL500	194.50	3.00
HL501	197.82	3.00
HL502	205.00	3.00
HL503	239.10	3.00
HL504	265.00	3.00
HL505	282.00	3.00
HL506	330.00	3.00
HL507	350.00	3.00
HL508	360.00	3.00
HL509	380.00	3.00
HL510	392.50	3.00
HL511	400.00	3.00
HL512	430.00	3.00
HL513	5.80	3.10
HL514	6.80	3.10
HL515	7.80	3.10
HL516	8.80	3.10
HL517	9.80	3.10
HL518	10.00	3.10
HL519	10.80	3.10
HL520	11.80	3.10
HL521	12.80	3.10
HL522	13.80	3.10
HL523	14.80	3.10
HL524	15.80	3.10
HL525	16.80	3.10
HL526	17.80	3.10
HL527	18.80	3.10
HL528	19.00	3.10
HL529	19.80	3.10
HL530	20.80	3.10
HL531	21.80	3.10
HL532	22.80	3.10
HL533	23.80	3.10
HL534	24.80	3.10

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HL 序号	I.D 内径	C/S 线径
HL535	25.80	3.10
HL536	26.80	3.10
HL537	27.00	3.10
HL538	27.80	3.10
HL539	28.80	3.10
HL540	29.80	3.10
HL541	30.80	3.10
HL542	33.80	3.10
HL543	34.80	3.10
HL544	35.80	3.10
HL545	37.80	3.10
HL546	38.80	3.10
HL547	39.80	3.10
HL548	41.00	3.10
HL549	41.80	3.10
HL550	43.80	3.10
HL551	45.00	3.10
HL552	45.80	3.10
HL553	46.80	3.10
HL554	48.80	3.10
HL555	51.80	3.10
HL556	53.80	3.10
HL557	56.80	3.10
HL558	58.80	3.10
HL559	61.80	3.10
HL560	63.00	3.10
HL561	63.80	3.10
HL562	65.80	3.10
HL563	68.80	3.10
HL564	73.80	3.10
HL565	78.80	3.10
HL566	81.00	3.10
HL567	83.80	3.10
HL568	88.80	3.10
HL569	93.80	3.10
HL570	98.80	3.10
HL571	103.80	3.10
HL572	108.80	3.10
HL573	113.80	3.10
HL574	118.80	3.10
HL575	123.80	3.10
HL576	128.80	3.10
HL577	133.80	3.10
HL578	138.80	3.10
HL579	140.00	3.10
HL580	143.80	3.10

HL 序号	I.D 内径	C/S 线径
HL581	148.80	3.10
HL582	153.80	3.10
HL583	156.80	3.10
HL584	158.80	3.10
HL585	173.80	3.10
HL586	198.80	3.10
HL588	203.80	3.10
HL589	207.80	3.10
HL590	246.80	3.10
HL591	249.30	3.10
HL592	294.80	3.10
HL593	8.00	3.50
HL594	9.00	3.50
HL595	10.00	3.50
HL596	11.00	3.50
HL597	12.00	3.50
HL598	13.00	3.50
HL599	15.00	3.50
HL600	16.00	3.50
HL601	16.00	3.50
HL602	17.00	3.50
HL603	17.50	3.50
HL604	18.00	3.50
HL605	19.00	3.50
HL606	19.50	3.50
HL607	20.00	3.50
HL608	21.00	3.50
HL609	22.00	3.50
HL610	22.40	3.50
HL611	23.00	3.50
HL612	24.00	3.50
HL613	24.30	3.50
HL614	25.00	3.50
HL615	26.00	3.50
HL616	27.00	3.50
HL617	29.20	3.50
HL618	31.00	3.50
HL619	34.00	3.50
HL620	35.00	3.50
HL621	37.00	3.50
HL622	38.00	3.50
HL623	41.00	3.50
HL624	42.00	3.50
HL625	43.00	3.50
HL626	46.00	3.50
HL627	47.00	3.50

HL 序号	I.D 内径	C/S 线径
HL628	48.00	3.50
HL629	49.00	3.50
HL630	51.00	3.50
HL631	51.00	3.50
HL632	53.00	3.50
HL633	56.00	3.50
HL634	58.00	3.50
HL635	59.00	3.50
HL636	63.00	3.50
HL637	64.00	3.50
HL638	68.00	3.50
HL639	69.00	3.50
HL640	73.00	3.50
HL642	75.00	3.50
HL643	77.00	3.50
HL644	78.00	3.50
HL645	79.50	3.50
HL646	83.00	3.50
HL647	88.00	3.50
HL648	93.00	3.50
HL649	98.00	3.50
HL650	103.00	3.50
HL651	123.00	3.50
HL652	133.00	3.50
HL653	143.00	3.50
HL654	158.00	3.50
HL655	163.00	3.50
HL656	168.00	3.50
HL657	180.00	3.50
HL658	188.00	3.50
HL659	193.00	3.50
HL660	195.00	3.50
HL661	218.00	3.50
HL662	318.00	3.50
HL663	343.00	3.50
HL664	435.00	3.50
HL665	9.00	4.00
HL666	12.00	4.00
HL667	13.00	4.00
HL668	14.00	4.00
HL669	20.00	4.00
HL670	22.00	4.00
HL671	24.00	4.00
HL672	25.60	4.00
HL673	28.00	4.00
HL674	31.50	4.00

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序号	I.D 内径	C/S 线径
HL675	32.20	4.00
HL676	34.00	4.00
HL677	35.00	4.00
HL678	36.00	4.00
HL679	37.00	4.00
HL680	38.00	4.00
HL681	42.00	4.00
HL682	43.00	4.00
HL683	44.00	4.00
HL684	45.00	4.00
HL685	47.00	4.00
HL686	50.00	4.00
HL687	52.00	4.00
HL688	52.30	4.00
HL689	58.00	4.00
HL690	59.00	4.00
HL691	60.00	4.00
HL692	62.00	4.00
HL693	67.00	4.00
HL694	69.00	4.00
HL695	70.00	4.00
HL696	72.00	4.00
HL697	75.00	4.00
HL698	75.20	4.00
HL699	77.00	4.00
HL700	81.00	4.00
HL701	82.00	4.00
HL702	92.00	4.00
HL703	98.50	4.00
HL704	100.00	4.00
HL705	102.00	4.00
HL706	107.00	4.00
HL707	112.00	4.00
HL708	117.00	4.00
HL709	120.00	4.00
HL710	122.00	4.00
HL711	124.00	4.00
HL712	125.00	4.00
HL713	127.00	4.00
HL714	132.00	4.00
HL715	133.00	4.00
HL716	137.00	4.00
HL717	142.00	4.00
HL718	152.00	4.00
HL719	170.00	4.00
HL720	172.00	4.00

HL 序号	I.D 内径	C/S 线径
HL721	180.00	4.00
HL722	200.00	4.00
HL723	204.00	4.00
HL724	235.00	4.00
HL725	252.00	4.00
HL726	257.00	4.00
HL727	260.00	4.00
HL728	265.00	4.00
HL729	280.00	4.00
HL730	290.00	4.00
HL731	315.00	4.00
HL732	318.00	4.00
HL733	335.00	4.00
HL734	337.00	4.00
HL735	355.00	4.00
HL736	372.00	4.00
HL737	380.00	4.00
HL738	392.00	4.00
HL739	400.00	4.00
HL740	410.00	4.00
HL741	10.00	5.00
HL742	11.00	5.00
HL743	12.00	5.00
HL744	20.00	5.00
HL745	28.00	5.00
HL746	30.00	5.00
HL747	32.00	5.00
HL748	33.00	5.00
HL749	35.00	5.00
HL750	38.00	5.00
HL751	40.00	5.00
HL752	40.30	5.00
HL753	44.00	5.00
HL754	45.00	5.00
HL755	50.00	5.00
HL756	54.00	5.00
HL757	55.00	5.00
HL758	58.00	5.00
HL759	60.00	5.00
HL760	66.00	5.00
HL761	69.00	5.00
HL762	70.00	5.00
HL763	75.00	5.00
HL764	80.00	5.00
HL765	83.00	5.00
HL766	85.00	5.00

HL 序号	I.D 内径	C/S 线径
HL767	88.00	5.00
HL768	90.00	5.00
HL769	95.00	5.00
HL770	100.00	5.00
HL771	105.00	5.00
HL772	110.00	5.00
HL773	115.00	5.00
HL774	117.00	5.00
HL775	120.00	5.00
HL776	130.00	5.00
HL777	135.00	5.00
HL778	140.00	5.00
HL779	150.00	5.00
HL780	157.00	5.00
HL781	158.00	5.00
HL782	160.00	5.00
HL783	170.00	5.00
HL784	173.00	5.00
HL785	180.00	5.00
HL786	217.00	5.00
HL787	220.00	5.00
HL788	240.00	5.00
HL789	270.00	5.00
HL790	320.00	5.00
HL791	390.00	5.00
HL792	400.00	5.00
HL793	470.00	5.00
HL794	37.60	5.70
HL795	38.60	5.70
HL796	47.60	5.70
HL797	48.60	5.70
HL798	54.60	5.70
HL799	57.60	5.70
HL800	64.60	5.70
HL801	68.60	5.70
HL802	70.60	5.70
HL803	73.60	5.70
HL804	78.60	5.70
HL805	79.20	5.70
HL806	83.60	5.70
HL807	84.60	5.70
HL808	88.60	5.70
HL809	93.60	5.70
HL810	94.60	5.70
HL811	98.60	5.70
HL812	103.60	5.70

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HL 序号	I.D 内径	C/S 线径
HL813	105.40	5.70
HL814	108.60	5.70
HL815	113.60	5.70
HL816	114.60	5.70
HL817	118.60	5.70
HL818	123.60	5.70
HL819	124.60	5.70
HL820	128.60	5.70
HL821	133.60	5.70
HL822	134.60	5.70
HL823	138.60	5.70
HL824	138.60	5.70
HL825	143.60	5.70
HL826	144.30	5.70
HL827	148.60	5.70
HL828	149.30	5.70
HL829	153.60	5.70
HL830	158.60	5.70
HL831	163.60	5.70
HL832	168.60	5.70
HL833	178.60	5.70
HL834	188.60	5.70
HL835	199.30	5.70
HL836	208.60	5.70
HL837	218.60	5.70
HL838	228.60	5.70
HL839	234.60	5.70
HL840	238.60	5.70
HL841	248.60	5.70
HL842	253.60	5.70
HL843	258.60	5.70
HL844	268.60	5.70
HL845	273.60	5.70
HL846	278.60	5.70
HL847	279.30	5.70
HL848	284.30	5.70
HL849	288.60	5.70
HL850	298.60	5.70
HL851	319.30	5.70
HL852	324.30	5.70
HL853	328.60	5.70
HL854	339.30	5.70
HL855	348.60	5.70
HL856	368.60	5.70
HL857	374.30	5.70
HL858	418.60	5.70

HL 序号	I.D 内径	C/S 线径
HL859	473.60	5.70
HL860	483.60	5.70
HL861	85.00	6.00
HL862	128.80	6.00
HL863	175.00	6.00
HL864	198.00	6.00
HL865	370.00	6.00
HL866	390.00	6.00
HL867	400.00	6.00
HL868	420.00	6.00
HL869	430.00	6.00
HL870	27.00	8.00
HL871	76.60	8.00
HL872	106.00	8.00
HL873	190.00	8.00
HL874	228.00	8.00
HL875	276.00	8.00
HL876	278.00	8.00
HL877	290.00	8.00
HL878	302.00	8.00
HL879	360.00	8.00
HL880	364.00	8.00
HL881	370.00	8.00
HL882	410.00	8.00
HL883	448.00	8.00
HL884	66.00	10.00
HL885	90.00	10.00
HL886	102.00	10.00
HL887	102.00	10.00
HL888	110.00	10.00
HL889	146.00	10.00
HL890	195.00	10.00
HL891	200.00	10.00
HL892	230.00	10.00
HL893	250.00	10.00
HL894	332.00	10.00
HL895	385.00	10.00

O-Ring

平垫圈
Falt Washer

FW

具有耐高温性，可在-20° -+200° ℃环境中使用，耐强氧化剂、耐油、耐酸碱。通常用于高温，高真空及高压环境中，也适宜于油类环境。由于具有各种优异的性能，氟橡胶广泛地用于石油、化工、航空、航天等部门。

Description:Rubber washer/Square ring is mainly used for shock absorption application or seal the gap inthe static fluid (For example, water, oil, air, chemicals solvent, chemicals, etc.)

内径 (ID)	公差 tolerance ( )
4 - 14	0.13
14.01 - 15.6	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 - 66.4	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	0.94
133.08 - 158.42	0.89
158.43 - 183.82	1.02
183.83 - 209.22	1.14
209.23 - 234.62	1.27
234.63 - ···	···

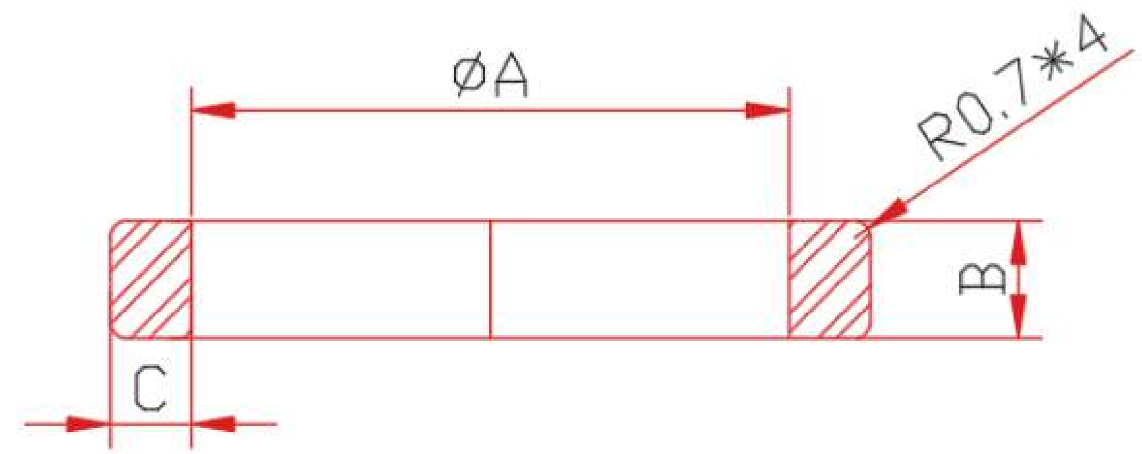
线径（W）	公差 tolerance ( )
0 - 1.68	0.15
1.69 - 2.51	0.15
2.52 - 3.4	0.15
3.41 - 5.16	0.15
5.17 - 6.73	0.15
6.74 - ···	0.20

厚度 thickness（H）	公差 tolerance ( )
0 - 1.68	0.08
1.69 - 2.51	0.10
2.52 - 3.4	0.10
3.41 - 5.16	0.10
5.17 - 6.73	0.10
6.74 - ···	0.15

D型圈
D-Ring

适用于卡特管头油封 CAT卡特4C4784油管方形圈卡特油管矩形圈。

Description: Suitable for Carter head oil seals CAT Carter 4C4784 Tubing Square Ring Carter tubingrectangular ring.



型号	内径(A)*线宽(C)*粗(B)
1P3700	19.0*3.4*4.95
1P3702	25.4*3.4*4.95
1P3703	31.9*3.4*4.95
1P3704	38.2*3.4*4.95
1P3705	44.7*3.4*4.95
1P3706	51.1*3.4*4.95
1P3707	54.2*3.4*4.95
1P3708	57.4*3.4*4.95
1P3709	63.9*3.4*4.95

D-Ring

挡圈

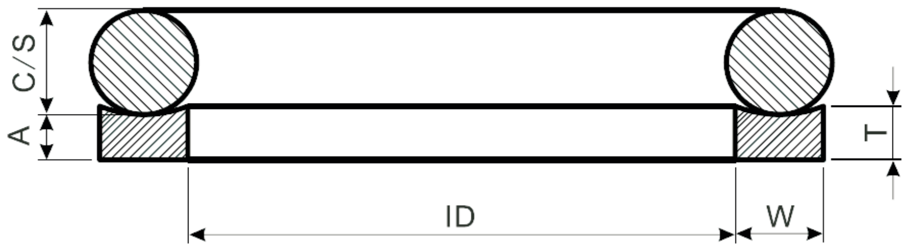
Back-up Ring

挡圈与O型圈搭配使用，使得密封更加牢固，有保护O型圈而提高寿命和耐力的作用(橡胶挡圈和聚四氟乙烯挡圈)。

Description:back-up ring is usually used with O-ring in order to bear greaterpressure. Customer can order according to the size of o-ring for convenience.(Rubber back-up ring & PTFE back-up Ring).

橡胶挡圈

Rubber Back-up Ring



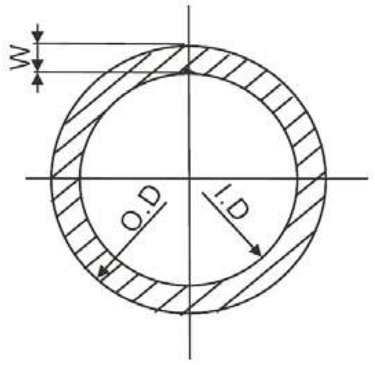
橡胶挡圈,通常情况下采用的材质是NBR90B,本公司常备库存多为NBR90B.下方列表中规格长期有现货,其他公制常用尺寸,可定制生产。

Rubber back-up ring: the material always is NBR90,and our stock more is NBR90.*Usually,In the table,the dimension we have some stock,other dimension all can custom-make.

ID	W	T	A
9.91	1.35	1.25	1.14
11.56	1.35	1.25	1.14
13.16	1.35	1.25	1.14
14.73	1.35	1.25	1.14
16.33	1.35	1.25	1.14

聚上氟乙烯挡圈

PTFE Back-up Ring



目前本公司现有聚四氟乙烯挡圈多为环状,其作用与橡胶挡圈有相同的功能，不过比后者有更广的应用范围。下方列表中规格常年有货，其他尺寸，可以根据客户需要定制生产。

We have the PTFE Back-up ring more is cave rings no split.it has the same function of rubber back-up ring, but its application range is wide.the dimension we have some stock, other dimension all can custom-make.

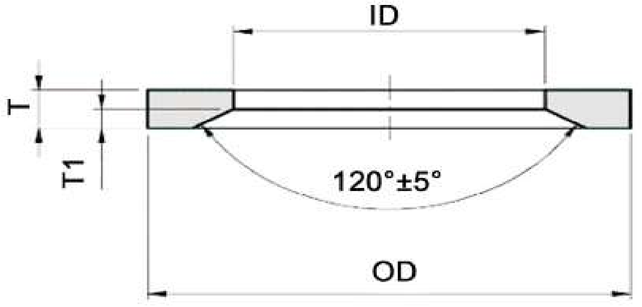
OD	ID	W
4.10	1.80	1.25
8.80	6.60	1.20
9.70	7.10	1.25
12.00	9.00	1.25

ED 圈

ED Ring

ED圈为众多工业密封件中的一种，作为管接头、液压堵头、过渡接头等气动液压接头专用密封件,比传统的O型圈的密封效果更好。这种弹性体密封件用来作为轴向静态密封,应用在螺纹油口和螺杆端头，截面在高压下都几乎保持恒定。

ED-ring is one of the many industrial seals, pipe fittings, hydraulic plug, as a transition joints, pneumatic hydraulic joint special-purpose seals, is better than traditional type O- ring seal.The elastomer seal axial static seal, used as the application in the screw oil mouth and screw end, cross section at high pressure is nearly constant.



以下尺寸为常用规格，其他规格可定制生产。

The regular size in this table other size can custom-make.

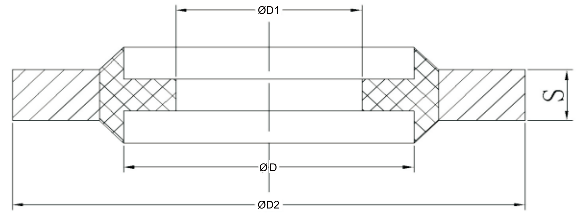
型号（Code）			ID	OD	T	T1
欢凌尺寸（HL- SEIZE）	公制（Metrice）	英制（Inch）				
ED08	M8*1	~	6.5	9.9	1.00	0.50
ED10	M10*1	1/8	8.4	11.9	1.00	0.50
ED12	M12*1.5	~	9.8	14.4	1.50	0.80
ED14	M14*1.5	1/4	11.5	16.5	1.50	0.80
ED16	M16*1.5	~	13.8	18.9	1.50	0.80
ED17	M17*1.5	3/8	14.7	18.9	1.50	0.80
ED18	M18*1.5	~	15.7	20.9	1.50	0.80
ED20	M20*1.5	~	17.8	22.9	1.50	0.80
ED21	M21*1.5	1/2	18.5	23.9	1.50	0.80
ED22	M22*1.5	~	19.6	24.3	1.50	0.80
ED26	M26*1.5	3/4	23.9	29.2	1.50	0.80
ED27	M27*2	3/4	23.9	29.2	1.50	0.80
ED33	M33*2	1	29.7	35,70	2.00	1.00
ED42	M42*2	11/4	38.8	45.8	2.00	1.00
ED48	M48*2	11/2	44.7	50.7	2.00	1.00
ED60	M60*2	2	56.5	66.5	4.00	2.00

组合垫

Bonded Seals

组合垫(组合密封垫圈)由橡胶圈和金属环整体粘合硫化而成，是用来密封螺纹和法兰连接的密封圆环，圆环包括一个金属环和一个橡胶密封垫。

Description:The bonded seals are formed by the rubber ring and the metal ring as a whole, and is used to seal the sealing ring which is connected with the flange, and the circular ring include a metal ring and a rubber sealing pad.



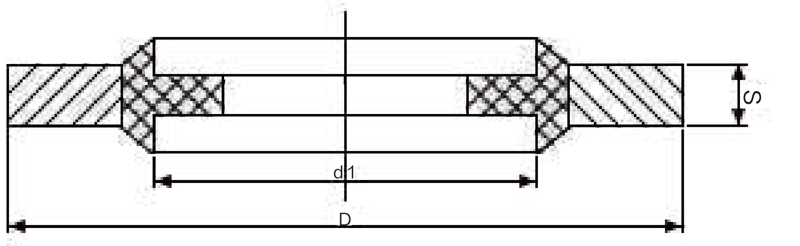
Pipe thread					
订货编号 ItemsNO:	Intended for thread	D	D2	S	D1
HL01 - SW - M004C	G1/8	10.37	15.88	2	8.26
HL01 - 8W - M005C	G1/4	13.74	20.57	2	11.18
HL01 - SW - M006C	G3/8	17.28	23.8	2	14.76
HL01 - SW - M007C	G1/2	21.54	28.58	2.5	18.24
HL01 - SW - M008C	G5/8	23.49	31.75	2.5	20.27
HL01 - SW - M009C	G3/4	27.05	34.93	2.5	23.83
HL01 - SW - M0100	G1	33.89	42.8	2.5/3.4	29.92
HL01 - SW - M011C	G1-1/4	42.93	52.38	2.5/3.4	38.45
HL01 - SW - M012C	G1-1/2	48.44	58.6	2.5/3.4	44.45
HL01 - SW - M013C	G2	60.58	73.03	2.5/3.4	56.26
HL01 - SW - M015C	G2-1/4	66.68	79.5	2.5/3.4	62.36
HL01 - SW - M016C	G2-1/2	76.08	90.17	2.5/3.4	71.5

M thread					
订货编号 ItemsNO:	Intended for thread	D	D2	S	D1
HL02 - CRD - 1827	M4	4.5	7	1	3.3
HL02 - CRD - 1828	M5	5.7	10	1	4.45
HL02 - CRD - 1829	M6	6.7	10	1	5.6
HL02 - CRD - 1830	M8	8.7	14	1	6.4
HL02 - CRD - 1831	M10	10.7	16	1.5	8.05
HL02-CRD - 1832	M12	12.7	19	1.5	9.73
HL02 - CRD - 1832	M13	13.7	20	1.5	10.73
HL02 - CRD - 1834	M14	14.7	22	1.5	11.38
HL02 - CRD - 1835	M16	16.7	24	1.5	13.41
HL02 - CRD - 1836	M18	18.7	26	1.5	14.76
HL02 - CRD - 1837	M20	20.7	28	1.5	16.76
HL02 - CRD - 1838	M22	22.7	30	2	18.74
HL02 - CRD - 1839	M24	24.7	32	2	20.11
HL02 - CRD - 1995	1/8"	10.37	14	1	8.7
HL02 - CRD - 1996	1/4"	13.74	17	1	11.4
HL02 - CRD - 1997	3/8"	17.28	22	1.3	15
HI02 - CRD - 1998	1/2"	21.54	26	1.6	18.6
HL02 - CRD - 1999	3/4'	27.05	32	1.6	24
HL02 - CRD - 2000	1"	33.89	39.5	1.8	30.2

BS

组合垫

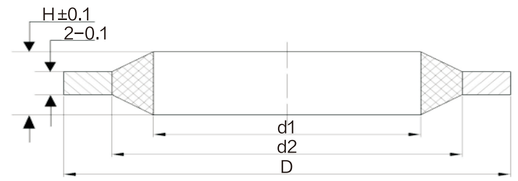
Bonded Seals



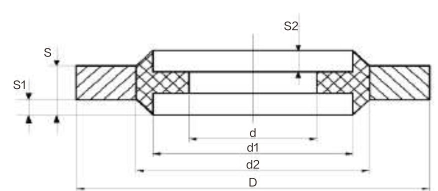
订货编号 ItemsNO:	公称直径 Nominal Diameter	尺寸 Dimensions			适用螺纹 Applicable Thread		
		d1	D	S	公制 Metric System	美制 American National thread	英制 G Whitworth thread G
HL03 -A4.00	A4.00	4.3	7.2	1	M4		
HL03 - A5.20	A5.20	5.2	8.4	1.5	M5		
HL03 - A6.00	A6.00	6.4	11.7	1.5	M6		
HL03 -A6.80	A6.80	6.86	13.2	1.5		1/4"	
HL03 - A8.00	A8.00	8.4	13.7	2	M8		
HL03 - A8.60	A8.60	8.64	14.2	2		5/16"	
HL03 - A10.30	A10.30	10.37	15.8	2	M10	3/8"	1/8"
HL03 - A12.00	A12.00	12.4	17.7	2	M12		
HL03 - A13.70	A13.70	13.74	20.6	2		1/2"	1/4"
HL03 - A14.00	A14.00	14.4	19.7	2	M14		
HL03 - A14.80	A14.80	14.86	22.2	2		9/16"	
HL03 - A15.80	A15.80	15.83	22.2	2			
HL03 - A16.00	A16.00	16.4	21.7	2	M16		
HL03 - A16.50	A16.50	16.51	25.4	2		5/8"	
HL03 - A17.20	A17.20	17.3	23.8	2			3/8"
HL03 - A18.00	A18.00	18.4	24.7	2.5	M18		
HL03 - A19.60	A19.60	19.69	26.9	2.5		3/4"	
HL03 - A20.00	A20.00	20.5	27.7	2.5	M20		
HL03 - A21.50	A21.50	21.54	28.6	2.5		13/16"	1/2"
HL03 - A22.00	A22.00	22.5	29.7	2.5	M22		
HL03 - A23.50	A23.50	23.49	31.75	2.5		7/8"	5/8"
HL03 - A24.00	A24.00	24.5	31.7	2.5	M24		
HL03 - A24.20	A24.20	24.26	33.3	2.5		15/16"	
HL03 - A27.00	A27.00	27.5	34.7	2.5	M27		
HL03 - A27.10	A27.10	27.05	34.9	2.5		1"	3/4"
HL03 - A30.00	A30.00	30.5	37.7	2.5	M30		
HL03 - A30.80	A30.80	30.81	38.1	2.5		1 3/16"	7/8"
HL03 - A33.00	A33.00	33.5	41.7	2.5	M33		
HL03 - A33.80	A33.80	33.89	42.8	2.5		1 5/16"	1"
HL03 - A35.90	A35.90	35.94	44.5	3.4		1 3/8"	
HL03 - A36.00	A36.00	36.6	45.7	2.5	M36		
HL03 - A39.00	A39.00	39.6	49.7	2.5	M39		
HL03 - A42.00	A42.00	42.6	52.7	2.5	M42		
HL03 - A42.90	A42.90	42.93	52.4	2.5		1 5/6"	1 1/4"
HL03 - A45.00	A45.00	45.6	55.7	2.5	M45		
HL03 - A48.00	A48.00	48.7	59.7	2.5	M48		
HL03 - A48.50	A48.50	48.44	58.6	2.5		1 7/8"	1 1/2"
HL03 - A52.00	A52.00	52.7	65.7	2.5	M52		
HL03 - A54.80	A54.80	54.89	69.85	3.4		2 1/16"	1 3/ 4"
HL03 - A60.00	A60.00	60.7	74.7	2.5	M60		
HL03 - A60.50	A60.50	60.58	73.03	2.5	M60		2"

BS

组合垫
Bonded Seals



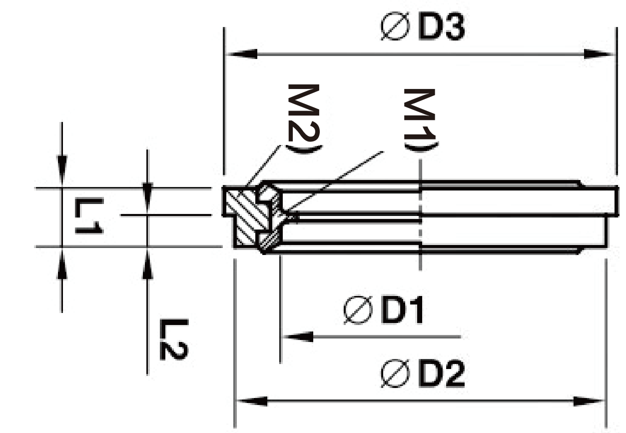
订货编号 ItemsNO:	公称直径 Nominal Diameter	d1		d2		D		H±0.1	孔d2允许偏差 Allowable Variation of Hole d2	适用螺纹尺寸 Applicable Thread Dimensions
HL04 - M4	*4	4.3	±0.12	5.3	+0.24 0	7.5	0 -0.24	2.1	0.1	M4
HL04 - M6	*6	6.4		8		12				M6
HL04 - M8	8	8.4		10		14		2.7		M8
HL04 - M10	10	10.4		12		16				M10(G1/8")
HL04 - M12	12	12.4		14		18				M12
HL04 - M14	14	14.4		16		20	0 -0.28			M14(G1/4")
HL04 - M16	16	16.4		18		22				M16
HL04 - M18	18	18.4		20	+0.28 0	25				M18(G3/8")
HL04 - M20	20	20.5	±0.14	23		28				M20
HL04 - M22	22	22.5		25		30				M22(G1/2")
HL04 - M24	24	24.5		27		32	0 -0.34		0.15	M24
HL04 - M27	27	27.5		30		35				M27(G3/4")
HL04 - M30	30	30.5		33	+0.34 0	38				M30
HL04 - M33	33	33.5	±0.17	36		42				M33(G1")
HL04 - M36	36	36.6		40		46		2.9		M36
HL04 - M39	39	39.6		43		50				M39
HL04 - M42	42	42.6		46		53	0 -0.4			M42(G11/4")
HL04 - M45	45	45.6		49		56				M45
HL04 - M48	48	48.7		52	+0.4 0	60				M48(G11/2")
HL04 - M52	52	52.7	±0.20	56		66				M52
HL04 - M60	60	60.7		64		75				M60(G2")



订货编号 ItemsNO:	公称（螺纹)直径 Nominal （Spiral） diam	d	d1	d2	D		S		S1	S2
HL05 -AM08	A8	7.5	9.3	11	14.8	0 -0.11	1.5	±0.11	0.4	0.8
HL05 - AM10	A10	8.5	11.8	13.8	17.8					
HL05 - AM12	A12	11.6	13.5	15.5	21	0 -0.13			0.45	1
HL05 - AM14	A14	13.6	16	18	23		2	±0.13		
HL05 - AM16	A16	15.6	18	20	25				0.5	1.4
HL05 - AM18	A18	17.6	20	22	28					
HL05 - AM20	A20	19.6	22	24	32	0 -0.16				
HL05 - AM22	A22	21.6	24	26	34					
HL05 - AM24	A24	23.6	26	28	36					
HL05 - AM27	A27	26.6	29	31	39					
HL05 - AM30	A30	29.6	32	34	42					
HL05 - AM33	A33	32.6	35	37	45					
HL05 - AM39	A39	38.6	41	43	51	0 -0.19	3	±0.16		2
HL05 - AM42	A42	41.6	44	46	54					
HL05 - AM45	A45	44.6	47	49	57					
HL05 - AM48	A48	47.6	50	52	60					
HL05 - AM52	A52	51.6	54	56	66					
HL05 - AM60	A60	59.6	62	65	75					

BS

组合垫
KDS



M1(material) NBR密封圈 seal ring
M2(material) 支撑环（碳钢） Support ring(carbon steel)

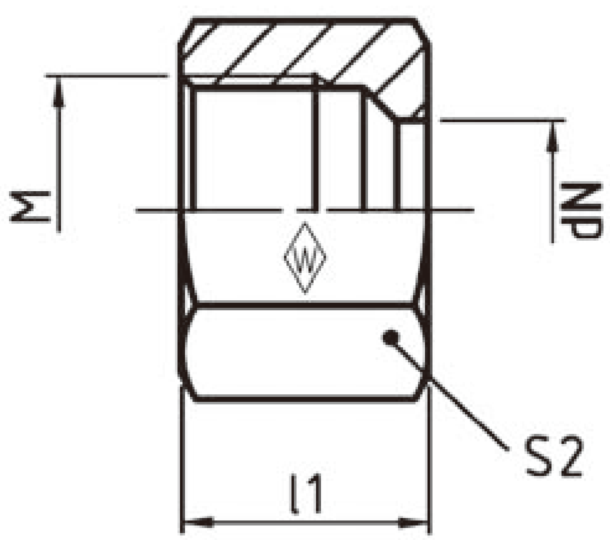
公制外螺纹 Metric thread	英制外螺纹 British thread	尺寸（SIZE）				
		D1	D2	D3	L2	L1
M10xl	Gl/8	10.30	14.90	16.00	1.10	2.50
M12xl,5		12.30	17.00	18.00	1.60	3.00
M14xl,5	G1/4	14.30	18.90	20.00	1.60	3.00
M16xl,5	G3/8	17.00	21.90	24.00	2.10	3.00
M18xl,5		18.30	23.90	23.90	/	3.00
M22xl,5	Gl/2	22.30	26.90	30.00	2.60	4.50
M26xl,5		26.30	31.90	35.00	2.60	3.50
M27xl,5	G3/4	27.30	32.90	38.00	2.60	3.50
M33x2	G1	33.60	39.90	42.00	2.60	3.50
M42x2	Gl - 1/4	42.40	49.90	49.90	/	3.50
M48x2	Gl - 1/2	48.40	48.40	60.00	2.60	3.50

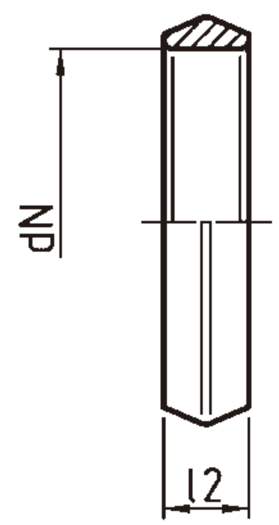
KIDS

三角圈
Walform captive seal

技术主要有扩口式管道连接技术、卡套式管道连接技术等等。而WALFORM管端成型技术作为新型的管道连接方式，被誉为目前*的防泄漏方案。WALFORM技术仅由三个零件组成:24° 锥面接头体、螺母和密封圈。使用传统的DIN标准接头和DIN标准螺母连接成型管端,并在*可能的泄漏通路上安装了密封圈,接头体标准完全符合DIN2353和ISO8434-1标准。具有公称压力等级高、*防漏、管子固定可靠、装配快捷、动态承载力极高等特点。通过专有的钢管成型设备,对钢管进行冷挤压再成型,使钢管变形均匀一致,且便于质量控制;同时无点蚀和裂缝。

The main technologies are flaring pipe connection technology, card sleeve pipe connection technology and so on. WALFORM pipe end molding technology as a new way of pipeline connection, known as the current best leakage prevention scheme.WALFORM technology consists of only three parts: 24 conical joint, nut and seal ring. The molded pipe ends are connected with a conventional DIN standardjoint and DIN standard nut, and the sealing ring is installed in the * possible leakage path. The joint body is fully compliant with DIN2353 and ISO8434-1 standards. It has the characteristics of high nominal pressure grade, excellent leakage prevention, reliable pipe fixation, fast assembly and high dynamic bearing capacity.Through the special steel pipe forming equipment, the steel pipe is cold extrusion and re-forming, so that the steel pipe deformation is uniform, and easy to control the quality; At the same time no pitting and crack





W
F

标准：DIN2353(ISO 8334-1)
材质：FKM

系列号	管道 Tube OD/dN	M	L1	L2	S2	产品编号
轻系列 L	6	M12xl.5	14.5	2.90	14	WF - M06
轻系列 L	8	M14x1.5	14.5	2.90	17	WF - M08
轻系列 L	10	M16x1.5	15.5	2.95	19	WF - M10
轻系列 L	12	M18x1.5	15.5	2.95	22	WF - M12
轻系列 L	15	M22x1.5	17.0	2.95	27	WF - M15
轻系列 L	18	M26x1.5	18.0	2.95	32	WF - M18
轻系列 L	22	M30x2.0	20.0	2.95	36	WF - M22
轻系列 L	28	M36x2.0	21.0	2.95	41	WF - M28
轻系列 L	35	M45x2.0	24.0	3.50	50	WF - M35
轻系列 L	42	M52x2.0	24.0	3.50	60	WF - M42

系列号	管道 Tube OD/dN	M	L1	L2	S2	产品编号
重系列 S	6	M14xl.5	16.5	2.70	17	WF - M06
重系列 S	8	M16x1.5	16.5	2.70	19	WF - M08
重系列 S	10	M18x1.5	17.5	2.95	22	WF - M10
重系列 S	12	M20x1.5	17.5	2.95	24	WF - M12
重系列 S	16	M24x1.5	20.5	2.95	30	WF - M16
重系列 S	20	M30x2.0	24.0	3.70	36	WF - M20
重系列 S	25	M36x2.0	27.0	3.70	46	WF - M25
重系列 S	30	M42x2.0	29.0	3.85	50	WF - M30
重系列 S	38	M52x2.0	32.5	3.50	60	WF - M38

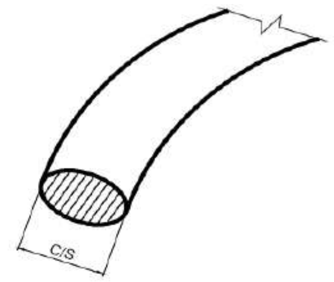
W
F

橡胶条
Rubber Strip

橡胶条按材质主要分为NBR丁腈橡胶条，SILICOME硅胶橡胶条，FKM(VITON)氟橡胶条、EPDM三元乙丙橡胶条及丁腈、三元乙丙发泡橡胶条。NBR丁氰橡胶:颜色一般为黑色,适合于石油系液压油、甘醇系液压油、二酯系润滑油、汽油、水、硅润滑脂、硅油等介质中使用。是目前用途最广、成本最低的。

Description:Rubber Strip is mainly used to sealthelarge equipment such as doors, windows,etc.or stick together to form O-ring of any ID.
Note:
1. Products with circular, rectangular, stellar and hollow cross section is available.
2. Star(Quad)cross section more than 1.78mm is available.(Quad-ring with the C/S 1 78mm is available)

橡胶条公差尺寸表
Rubber strip tolerance dimension



HL NO.	C/S（mm）	C/S Tol
HRS0001	1.2	0.25
HRS0002	1.5	0.25
HRS0003	1.6	0.35
HRS0004	1.78	0.35
HRS0005	1.9	0.35
HRS0006	2	0,35
HRS0007	2.4	0.35
HRS0008	2.5	0.35
HRS0009	2.65	0.4
HRS0010	3	0.4
HRS0011	3,5	0.4
HRS0012	4	0.4
HRS0013	4.5	0.5
HRS0014	5	0.5
HRS0015	5.35	0.5
HRS0016	5.5	0.5
HRS0017	5.7	0.5
HRS0018	6	0.5
HRS0019	6.5	0.7
HRS0020	6.9	0.7
HRS0021	7	0.7
HRS0022	7.5	0.7

HL NO.	C/S（mm）	C/S Tol
HRS0023	8	0.7
HRS0024	8.4	0.7
HRS0025	8.5	0.7
HRS0026	9	0.7
HRS0027	9.5	0.7
HRS0028	10	0.7
HRS0029	11	0.8
HRS0030	12	0.8
HRS0031	12.7	0.8
HRS0032	13	0.8
HRS0033	14	0.8
HRS0034	15	0.8
HRS0035	16	0.8
HRS0036	17	0.8
HRS0037	18	1
HRS0038	19	1
HRS0039	20	1
HRS0040	21	1
HRS0041	22	1
HRS0042	23	1
HRS0043	24	1
HRS0044	25	1

O型圈修理盒
O－Ring Kit

我们提供各种规格尺寸的O型圈修理盒，材质可选NBR70B,NBR90B,FKM80等。

Description: Supplyoring-box,AS568,J-P/G,MEFRIC and other size,Material have NBR70B,NBR90B,FKM80N and so on.

美标AS568 30MODEL=382PCS（红 RED）	
规格	数量
2.9 - 1.78	20
3.68 - 1.78	20
4,47 - 1.78	20
5.28 - 1.78	20
6.07 - 1.78	20
7.65 - 1.78	20
9.25 - 1.78	20
9.19 - 2.62	13
10.77 - 2.62	13
12.37 - 2.62	13
13.94 - 2.62	13
15.54 - 2.62	13
17.12 - 2.62	13
18.72 - 2.62	13
18.64 - 3.53	10

美标AS568，30MODEL=382PCS（红RED）	
规格	数量
20.22 - 3.53	10
21.82 - 3.53	10
23.39 - 3.53	10
24.99 - 3.53	10
26.57 - 3.53	10
28.17 - 3.53	10
29.74 - 3.53	10
31.34 - 3.53	10
32.92 - 3.53	10
34.52 - 3.53	10
36.09 - 3.53	10
37.69 - 3.53	10
37.47 - 5.33	7
40.64 - 5.33	7
43.82 - 5.33	7

O型圈修理盒

O－Ring Kit

我们提供各种规格尺寸的O型圈修理盒，材质可选NBR70B,NBR90B,FKM80等。

Description: Supplyoring-box,AS568,J-P/G,MEFRIC and other size,Material have NBR70B,NBR90B, FKM80N and so on.

目标J-P/G,30MODEL=382PCS（蓝BLUE）	
规格	数量
2.8－1.9	20
3.8－1.9	20
4.8－1.9	18
5.8－1.9	18
6.8－1.9	18
7.8－1.9	18
8.8－1.9	18
9.8－2.4	13
10.8－2.4	13
11.8－2.4	13
13.8－2.4	13
15.8－2.4	13
17.8－2.4	13
19.8－2.4	13
20－3	11

目标 J-P/G,30MODEL=382PCS（蓝BLUE）	
规格	数量
22－3	10
22.1－3.5	10
24.4－3.1	10
24.7－3.5	10
25.7－3.5	10
29.4－3.1	10
29.7－3.5	10
31.7－3.5	10
33.7－3.5	10
34.4－3.1	10
35.7－3.5	10
39.4－3.1	10
39.7－3.5	10
44.4－3.1	10
47.7－3.5	10

O型圈修理盒

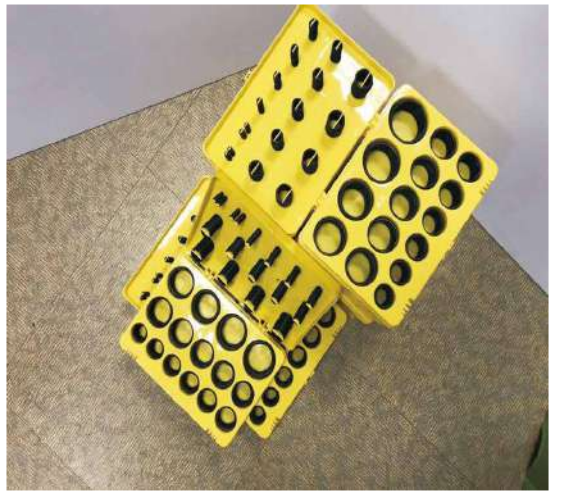
O－Ring Kit

我们提供各种规格尺寸的O型圈修理盒，材质可选NBR70B,NBR90B,FKM80等。

Description: Supplyoring-box,AS568,J-P/G,MEFRIC and other size,Material have NBR70B,NBR90B, FKM80N and so on.

国标，MEFRIC,30MODEL=386PCS(YELLOW)	
规格	数量
3－2	16
4－2	16
5－2	16
6－2	16
7－2	16
8－2	16
10－2	16
10－2.5	13
11－2.5	13
12－2.5	13
14－2.5	13
16－2.5	13
17－2.5	13
19－2.5	13
19－3	12

国标,MEFRIC,30MODEL=386PCS(YELLOW)	
规格	数量
20－3	12
22－3	12
24－3	12
25－3	12
27－3	12
28－3	12
30－3	12
32－3	12
33－3	12
35－3	12
36－3	12
38－3	12
38－4	9
41－4	9
44－4	9



活塞密封

Piston U-seal

本产品是在沟槽中作紧密配合安装活塞专用的一种唇形密封件。主要用于移动液压设备，行走机械和静压中的活塞密封。

Description:

B7 is a lip-seal which fits tightly in the groove. These seals may be used for all applications where the physical properties of normal or fabric reinforced elastomers are insufficient.

Advantages:

- Unusually High abrasion resistance
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Low compression set
- Suitable for the most severe working conditions
- Easy installation

Technical Data

Operating conditions

Pressure:≤40Mpa

Temperature: -35~+110° C

Speed:≤0.5m/s

Media:Hydraulic oils (Mineral oil-based)

Material

Material: PU

Hardness: 90-95 Shore A

Color: Turquoise、Blue

材料为进口PU

硬度90-95 Shore A

颜色为墨绿色、蓝色

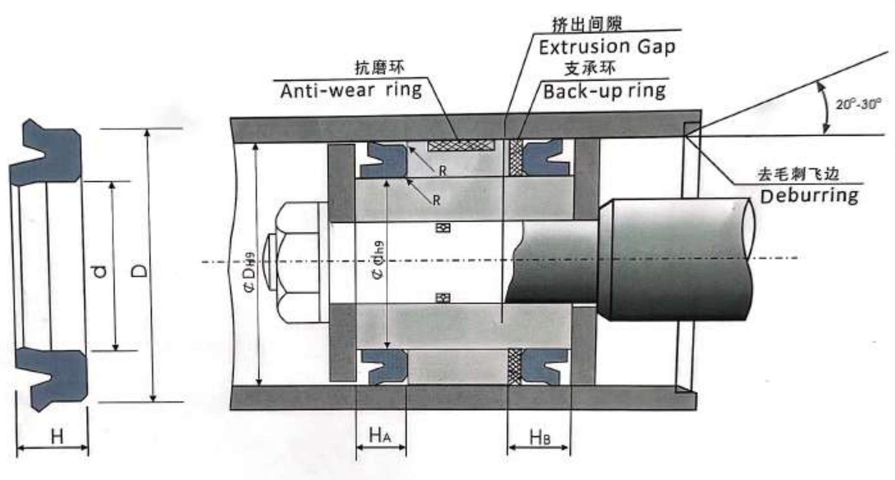
适应较苛刻的工作条件

工作压力：≤40Mpa

工作温度：-35~+110℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

UP B7

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød h9	HA	HB
14-5.8-5.5	14	5.8	6.1	7.6
16-8-5.7	16	8	6.3	7.8
16-8-5.8	16	8	6.4	7.9
16-8-6	16	8	6.7	8.2
16-8-7	16	8	7.7	9.7
16-10-5.7	16	10	6.3	7.8
16-10-6	16	10	6.7	8.2
16-10-8	16	10	8.7	11.2
20-12-5.7	20	12	6.3	7.8
24-16-5	24	16	5.6	7.1
24-16-5.7	24	16	6.3	7.8
25-17-5.7	25	17	6.3	7.8
25-18-5	25	18	5.6	7.1
26-18-5	26	18	5.6	7.1
30-22.4-5	30	22.4	5.6	7.1
32-22-7.3	32	22	8	10
32-24-5.7	32	24	6.3	7.8
35-25-7.3	35	25	8	10
40-30-6	40	30	6.7	8.2
40-30-7.3	40	30	8	10
40-30.5-10	40	30.5	11	13.5
40-32-5.7	40	32	6.3	7.8
40-32-6	40	32	6.7	8.2
45-30-10	45	30	11	13.5
45-35-6	45	35	6.7	8.2
50-35-9	50	35	10	12.5
50-38-10	50	38	11	13.5
50-40-6	50	40	6.7	8.2
50-40-7	50	40	7.7	9.2
50-40-7.3	50	40	8	10
50-40-8	50	40	8.7	11.2
50-42-5.7	50	42	6.3	7.8
50-42-6	50	42	6.7	8.2
55-45-6	55	45	6.7	8.2
56-45-7	56	45	7.7	9.7
60-45-13	60	45	14	16.5
60-50-6	60	50	6.7	8.2
60-50-7.3	60	50	8	10
60-50-8	60	50	8.7	11.2
63-48-9	63	48	10	12.5
63-50-8	63	50	8.7	11.2
63-50-10	63	50	11	14
63-51-7	63	51	7.7	10.2
63-53-6	63	53	6.7	8.2
63-53-7	63	53	7.7	9.7
63-53-7.3	63	53	8	10
63-53-8	63	53	8.7	11.2
63-55-5.7	63	55	6.3	7.8
65-55-6	65	55	6.7	8.2
65-55-7.3	65	55	8	10

规格及沟槽尺寸 specification & groove size

UP B7

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød h9	HA	HB
70-50-12	70	50	13	16
70-55-9	70	55	10	12.5
70-55-10	70	55	11	14
70-60-6	70	60	6.7	8.2
70-60-7	70	60	7.7	9.2
70-60-12	70	60	13	16
75-60-9	75	60	10	12.5
75-63-8.7	75	63	9.5	12
75-65-6	75	65	6.7	8.2
75-65-7	75	65	7.7	9.7
80-54-11.4	80	54	12.5	15.5
80-60-12	80	60	13	16
80-65-8.6	80	65	9.5	12
80-65-9	80	65	10	12.5
80-65-10	80	65	11	14
80-65-10.5	80	65	11.5	14.5
80-65-11.4	80	65	12.5	15.5
80-70-6	80	70	6.7	8.2
80-70-6.7	80	70	7.5	9.5
80-70-7	80	70	7.7	9.7
80-70-8	80	70	8.7	11.2
80-70-9	80	70	10	12.5
88.9-76.2-9.53	88.9	76.2	10.53	13.03
90-70-12	90	70	13	16
90-75-9	90	75	10	12.5
90-75-10.5	90	75	11.5	14.5
90-75-11.4	90	75	12.5	15.5
90-80-6	90	80	6.7	8.2
90-80-7	90	80	7.7	9.7
90-80-8	90	80	8.7	11.2
90-80-9	90	80	10	12.5
90-75-10.5	90	75	11.5	14.5
95-75-12	95	75	13	16
100-80-10	100	80	11	14
100-80-12	100	80	13	16
100-80-14.5	100	80	16	19
100-85-8.5	100	85	9.5	12
100-85-9	100	85	10	12.5
100-85-11.4	100	85	12.5	15.5
100-85-12	100	85	13	16
100-90-6	100	90	6.7	8.2
100-90-6.7	100	90	7.5	9.5
100-90-7	100	90	7.7	9.7
100-90-8	100	90	8.7	11.2
100-90-9	100	90	10	12.5
101.6-88.9-9.53	101.6	88.9	10.53	13.03
105-90-9	105	90	10	12.5
105-90-11.4	105	90	12.5	15.5
110-90-15	110	90	16.5	19.5
110-95-9	110	95	10	12.5

规格及沟槽尺寸 specification & groove size

UP B7

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød h9	HA	HB
115-95-12	115	95	13	16
115-98-14.5	115	98	16	19
115-100-9	115	100	10	12.5
120-100-12	120	100	13	16
120-100-15	120	100	16.5	19.5
120-105-9	120	105	10	12.5
120-106-8.5	120	106	9.5	12
125-100-10	125	100	11	14
125-100-15	125	100	16.5	19.5
125-100-18.2	125	100	20	23
125-105-14.5	125	105	16	19
125-109-18	125	109	20	23
125-110-9	125	110	10	12.5
125-110-9.6	125	110	10.6	13.1
125-112-9	125	112	10	12.5
130-110-15	130	110	16.5	19.5
130-115-9	130	115	10	12.5
140-125-9	140	125	10	12.5
145-115-18	145	115	20	23
150-125-15	150	125	16.5	19.5
150-135-9	150	135	10	12.5
150-136-9	150	136	10	12.5
152.4-136.5-10	152.4	136.5	11	14
160-135-18.2	160	135	20	23
160-140-14.5	160	140	16	19
165-150-9	165	150	10	12.5
180-150-18	180	150	20	23
180-152-18	180	152	20	23
200-175-18.2	200	175	20	23
200-175-18.5	200	175	20.5	23.5
200-180-12	200	180	13	16
200-185-9.6	200	185	10.6	13.1
220-200-12	220	200	13	16
220-200-15	220	200	16.5	19.5
230-205-19	230	205	21	24
250-225-18.2	250	225	20	23
250-230-15	250	230	16.5	19.5
260-240-12	260	240	13	16
280-255-19	280	255	21	24
320-290-20	320	290	22	25
330-300-24	330	300	26	29

活塞密封

Piston U –seal

本产品是在沟槽中作紧配合安装活塞专用的一种唇形密封件。

Description:

UNP/UHP Piston seal is a lip –seal which fits tightly in the groove.

Advantages:

- High abrasion resistance
- Insensibility against shock loads and pressure peaks
- Low compression set

Technical Data

Operating conditions

Pressure:≤40Mpa

Temperature: -35~+100℃

Speed:≤0.5m/s

Media:Hydraulic oils (Mineral oil –based)

Material

Material: PU

Hardness: 90 –95 Shore A

Color: Green、Blue、Natural

使用材料为进口PU

硬度90 –95 ShoreA

颜色为绿色、兰色、本色三种

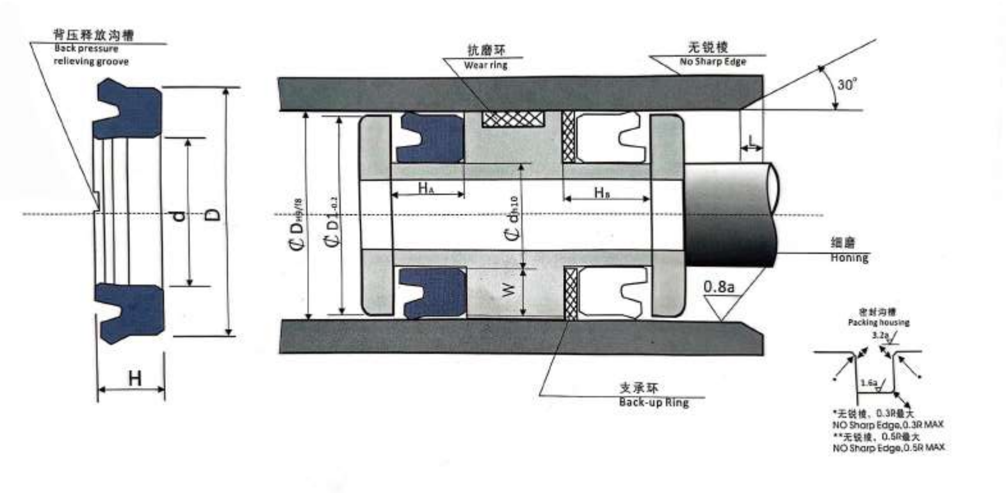
耐磨性能好、耐冲击、压缩变形小

工作压力：≤40Mpa

工作温度：–35 ~ +110℃

运行速度：≤0.5m / s

介质：液压油 (矿物油基)



规格及沟槽尺寸 specification & groove size — UNP

规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	Ød h10	HA	HB	ØD1 -0.2	L	W
40 – 30 – 6.5	40	30	7	9	39	2	5
50 – 39 – 7.3	50	39	8	10	49	2	5.5
50 – 40 – 6.5	50	40	7	9	49	2	5
62 – 52 – 6.3	62	52	6.8	8.8	61	2	5.5
63 – 53 – 6.5	63	53	7	9	62	2	5
80 – 64 – 12	80	64	12.5	15.5	79	2	8
80 – 71 – 6.5	80	71	7	9	79	2	4.5
90 – 80 – 6.5	90	80	7	9	89	2	5
100 – 85 – 9.5	100	85	10	13	98	3	7.5
125 – 112 – 9	125	112	9.5	12.5	123	3	6.5
125 – 115 – 12	125	115	12.5	15.5	123	3	5
140 – 125 – 9.5	140	125	10	13	138	3	7.5
150 – 136 – 9	150	136	9.5	2.5	148	3	7
160 – 145 – 9	160	145	9.5	12.5	157	3	7.5
160 – 145 – 9.5	160	145	10	13	157	3	7.5
180 – 165 – 9.5	180	165	10	13	177	3	7.5
200 – 180 – 12.5	200	180	13	16	197	4	10
220 – 200 – 12.5	220	200	13	16	217	4	10
224 – 204 – 12.5	224	204	13	16	221	4	10
250 – 230 – 12.5	250	230	13	16	247	4	10

规格及沟槽尺寸 specification & groove size — UHP

规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	Ød h10	HA	HB	ØD1 -0.2	L	W
16.2 – 10.5 – 4.4	16.2	10.5	4.9	6.9	15.7	1.5	2.85
125 – 105 – 15	125	105	16	19	123	3	10
150 – 130 – 15	150	130	16	19	148	3	10
180 – 155 – 16	180	155	17	20	177	5	12.5
190 – 165 – 16	190	165	17	20	187	5	12.5
195 – 170 – 15	195	170	16	19	192	5	12.5
200 – 175 – 16	200	175	17	20	197	5	12.5
205 – 180 – 16	205	180	17	20	202	5	12.5
212 – 187 – 16	212	187	17	20	209	5	12.5
215 – 190 – 16	215	190	17	20	212	5	12.5
224 – 199 – 16	224	199	17	20	221	5	12.5
237 – 212 – 19	237	212	20	23	234	5	12.5
250 – 225 – 19	250	225	20	23	247	5	12.5
261 – 236 – 19	261	236	20	23	257	5	12.5
265 – 235 – 19	265	235	20	23	261	5	15
275 – 250 – 19	275	250	20	23	271	5	12.5
280 – 255 – 19	280	255	20	24	276	5	12.5
295 – 265 – 19	295	265	20	24	291	6	15
300 – 270 – 19	300	270	20	24	296	6	15
310 – 280 – 19	310	280	20	24	306	6	15
314 – 285 – 19	314	285	20	24	310	6	14.5
330 – 300 – 19	330	300	20	24	326	6	15
360 – 330 – 24	360	330	25	29	256	6	15
450 – 410 – 30	450	410	31	35	446	6	20
450 – 420 – 26	450	420	27	31	446	6	15

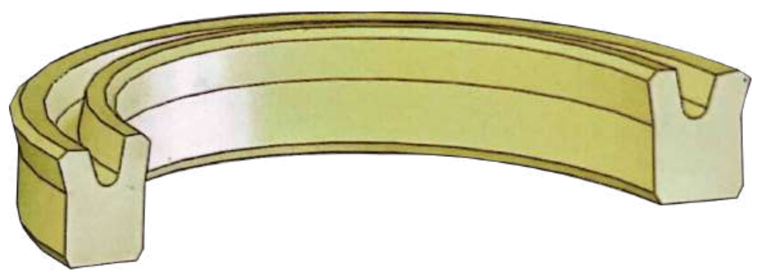
活塞密封

Piston U-seal

本产品是在沟槽中作紧配合安装活塞专用的一种唇形密封件。

Description:

ODI Piston seal is a lip-seal which fits tightly in the groove.



Advantages:

- High abrasion resistance
- Insensibility against shock loads and pressure peaks
- Low compression set

Technical Data

Operating conditions

Pressure: ≤40Mpa

Temperature: -35~+110℃

Speed: ≤0.5m/s

Media: Hydraulic oils (Mineral oil-based)

Material

Material: PU

Hardness: 90-95 Shore A

Color: Light yellow

使用材料为进口PU

硬度90-95 Shore A

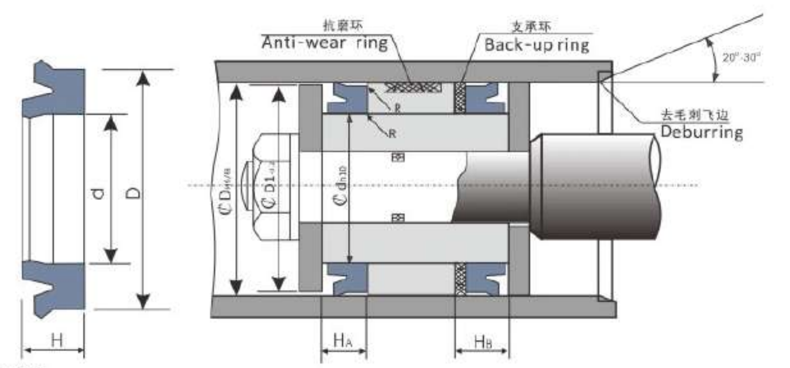
颜色为淡黄色

工作压力：≤40Mpa

工作温度：-35~+110℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）



R≤0.3
The interior surface of oil cylinder should be honed (GH) or polished (RLB) to the roughness of 0.4~3.2μRmax (0.1-0.8μRa). Polishing is specially required in poor lubricating conditions.

R<0.3
油缸内表面应当被珩磨（GH）或抛光（RLB）到0.4-3.2μmRmax(0.1-0.8μmRa),特别是在恶劣的润滑条件下更需要抛光。

规格及沟槽尺寸 specification & groove size

ODI

规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	Ød h10	ØD1-0.2	HA	HB	C
18-8-7.5	18	8	17	8.5	10.5	2.5
19.2-11.2-5	19.2	11.2	18.2	5.7	7.7	2.5
20-10-6	20	10	19	7	9	2.5
20-10-7.5	20	10	19	8.5	10.5	2.5
20-10-8	20	10	19	9	11	2.5
20-12-5	20	12	19	5.7	7.7	2.5
22-14-5	22	14	21	5.7	7.7	2.5
24-14-7.5	24	14	23	8.5	10.5	3.5
25-15-6	25	15	24	7	9	3.5
25-15-8	25	15	24	9	11	3.5
25-17-5	25	17	24	5.7	7.7	3.5
26-16-7.5	26	16	25	8.5	10.5	3.5
26-18-5	26	18	25	5.7	7.7	3.5
28-15-10	28	15	27	11	13	3.5
28-20-5	28	20	27	5.7	7.7	2
30-20-5	30	20	29	5.7	7.7	3.5
30-20-6	30	20	29	7	9	3.5
30-20-8	30	20	29	9	11	3.5
30-22.4-5	30	22.4	29	5.7	7.7	2
31-18-10	31	18	30	11	13	3.5
31.5-18.5-8	31.5	18.5	30.5	9	11	3.5
31.5-18.5-10	31.5	18.5	30.5	11	13	3.5
31.5-21.5-6	31.5	21.5	30.5	7	9	3.5
31.5-21.5-8	31.5	21.5	30.5	9	11	3.5
31.5-23.5-5	31.5	23.5	30.5	5.7	7.7	2
33-20-10	33	20	32	11	13	3.5
33-25-5	33	25	32	5.7	7.7	2
35-22-10	35	22	34	11	13	3.5
35-25-6	35	25	34	7	9	3.5
35-25-8	35	25	34	9	11	3.5
35.4-22.4-10	35.4	22.4	34.4	11	13	3.5
35.5-22.5-8	35.5	22.5	34.5	9	11	3.5
35.5-22.5-10	35.5	22.5	34.5	11	13	3.5
35.5-25	35.5	25.5	34.5	7	9	3.5
35.5-25.5-8	35.5	25.5	34.5	9	11	3.5
38-25-10	38	25	37	11	13	3.5
38-28-8	38	28	37	9	11	3.5
40-25-9	40	25	39	10	12	3.5
40-25-10	40	25	39	11	13	3.5
40-27-8	40	27	39	9	12	3.5
40-27-10	40	27	39	11	14	3.5
40-30-7	40	30	39	8	10	3.5
40-30-8	40	30	39	9	12	3.5
40-30-10	40	30	39	11	14	3.5
41-28-10	41	28	40	11	14	3.5
43-30-10	43	30	42	11	14	3.5
44.5-31.5-10	44.5	31.5	43.5	11	14	3.5
45-30-9	45	30	44	10	13	3.5
45-30-10	45	30	44	11	14	3.5
45-32-8	45	32	44	9	12	3.5

规格及沟槽尺寸 specification & groove size

ODI

规格 specification	沟槽尺寸 Grooves dimensions ØDH9/f8	Ødh10	ØD1-0.2	HA	HB	C
45 - 32 - 10	45	32	44	11	14	3.5
45 - 35 - 8	45	35	44	9	12	3.5
50 - 34 - 10	50	34	49	11	14	4
50 - 34 - 12	50	34	49	13	16	4
50 - 35 - 9	50	35	49	10	13	4
50 - 35 - 10	50	35	49	11	14	4
50 - 35 - 12	50	35	49	13	16	4
50 - 40 - 8	50	40	49	9	12	4
51.5 - 35.5 - 12	51.5	35.5	50.5	13	16	4
55 - 40 - 9	55	40	54	10	13	4
55 - 40 - 10	55	40	54	11	14	4
55 - 45 - 8	55	45	54	9	12	4
55 - 45 - 10	55	45	54	44	13	4
55 - 47 - 5.7	55	47	54	6.5	8.5	4
56 - 40 - 10	56	40	55	11	14	4
56 - 40 - 12	56	40	55	13	16	4
56 - 41 - 9	56	41	55	10	13	4
56 - 41 - 10	56	41	55	11	14	4
56 - 46 - 8	56	46	55	9	12	4
60 - 45 - 9	60	45	59	10	13	4
60 - 45 - 10	60	45	59	11	14	4
60 - 50 - 8	60	50	59	9	12	4
60 - 50 - 10	60	50	59	11	13	4
61 - 45 - 12	61	45	60	13	16	4
63 - 47 - 10	63	47	62	11	14	4
63 - 47 - 12	63	47	62	13	16	4
63 - 48 - 9	63	48	62	10	13	4
63 - 48 - 10	63	48	62	11	14	4
63 - 53 - 8	63	53	62	9	12	4
65 - 50 - 9	65	50	64	10	13	4
65 - 50 - 10	65	50	64	11	14	4
65 - 55 - 8	65	55	64	9	12	4
66 - 50 - 12	66	50	65	13	16	4
69 - 53 - 12	69	53	68	13	16	4
70 - 45 - 15	70	45	69	16	19	5
70 - 50 - 12	70	50	69	13	16	5
70 - 55 - 9	70	55	69	10	13	5
70 - 55 - 10	70	55	69	11	14	5
70 - 60 - 8	70	60	69	9	12	5
71 - 51 - 12	71	51	70	13	16	5
71 - 55 - 10	71	55	70	11	14	5
71 - 55 - 12	71	55	70	13	16	5
71 - 56 - 9	71	56	70	10	13	5
71 - 56 - 10	71	56	70	11	14	5
71 - 61 - 8	71	61	70	9	12	5
75 - 55 - 12	75	55	74	13	16	5
75 - 60 - 9	75	60	74	10	13	5
75 - 60 - 10	75	60	74	11	14	5
75 - 65 - 8	75	65	74	9	12	5
80 - 47 - 16	80	47	79	17	20	5

ODI - OSI

规格及沟槽尺寸 specification & groove size

ODI

规格 specification	沟槽尺寸 Grooves dimensions ØDH9/f8	Ødh10	ØD1-0.2	HA	HB	C
80 - 60 - 12	80	60	79	13	16	5
80 - 60 - 12	80	60	79	13	16	5
80 - 64 - 10	80	64	79	11	14	5
80 - 64 - 12	80	64	79	13	16	5
80 - 65 - 9	80	65	79	10	13	5
80 - 65 - 10	80	65	79	11	14	5
80 - 70 - 8	80	70	79	9	12	5
85 - 65 - 12	85	65	84	13	16	5
85 - 70 - 9	85	70	84	10	13	5
85 - 70 - 10	85	70	84	11	14	5
85 - 75 - 8	85	75	84	9	12	5
90 - 70 - 12	90	70	89	13	16	5
90 - 70 - 12	90	70	89	16	19	5
90 - 75 - 9	90	75	89	10	13	5
90 - 75 - 10	90	75	89	11	14	5
90 - 80 - 8	90	80	89	9	12	5
95 - 75 - 12	95	75	94	13	16	5
95 - 75 - 15	95	75	94	16	19	5
95 - 80 - 9	95	80	94	10	13	5
95 - 80 - 10	95	80	94	11	14	5
100 - 80 - 12	100	80	98	13	16	5
100 - 80 - 15	100	80	98	16	19	5
100 - 85 - 10	100	85	98	11	14	5
100 - 85 - 18	100	85	98	19	22	5
105 - 85 - 15	105	85	103	16	19	5
110 - 85 - 18	105	85	108	19	22	5
110 - 90 - 12	110	90	108	13	16	5
110 - 90 - 15	110	90	108	16	19	5
110 - 95 - 10	110	95	108	11	14	5
112 - 92 - 12	112	92	110	13	16	5
112 - 92 - 15	112	92	110	16	19	5
112 - 97 - 9	112	97	110	10	13	5
112 - 97 - 10	112	97	110	11	14	5
115 - 95 - 15	115	95	113	16	19	5
120 - 100 - 12	120	100	118	13	16	5
120 - 100 - 15	120	100	118	16	19	5
120 - 105 - 10	120	105	118	11	14	5
125 - 105 - 12	125	105	123	13	16	5
125 - 105 - 15	125	105	123	16	19	5
125 - 105 - 16	125	105	123	17	20	5
125 - 110 - 9	125	110	123	10	13	5
125 - 110 - 10	125	110	123	11	14	5
130 - 110 - 12	130	110	128	13	16	5
130 - 110 - 15	130	110	128	16	19	5
130 - 110 - 16	130	110	128	17	20	5
130 - 115 - 10	130	115	128	11	14	5
132 - 112 - 15	132	112	130	16	19	5
140 - 120 - 12	140	120	138	13	16	5
140 - 120 - 15	140	120	138	16	19	5
140 - 120 - 16	140	120	138	17	20	5

规格及沟槽尺寸 specification & groove size

ODI

规格 specification	ØD H9/f8	Ød h10	ØD1-0.2	HA	HB	C
140 - 125 - 10	140	120	138	11	14	5
150 - 125 - 19	150	125	148	20	23	6.5
150 - 125 - 20	150	125	148	21	24	6.5
150 - 130 - 12	150	130	148	13	16	6.5
150 - 130 - 15	150	130	148	16	19	6.5
150 - 130 - 16	150	130	148	17	20	6.5
150 - 135 - 10	150	135	148	11	14	6.5
157 - 132 - 20	157	132	155	21	24	6.5
160 - 135 - 19	160	135	158	20	23	6.5
160 - 135 - 20	160	135	158	21	24	6.5
160 - 140 - 12	160	140	158	13	16	6.5
160 - 140 - 15	160	140	158	16	19	6.5
160 - 140 - 16	160	140	158	17	20	6.5
160 - 145 - 10	160	145	158	11	14	6.5
165 - 140 - 19	165	140	163	20	23	6.5
165 - 140 - 20	165	140	163	21	24	6.5
170 - 145 - 19	170	145	168	20	23	6.5
170 - 145 - 20	170	145	168	21	24	6.5
170 - 150 - 12	170	150	168	13	16	6.5
170 - 150 - 16	170	150	168	17	20	6.5
170 - 155 - 10	170	155	168	11	15	6.5
180 - 155 - 16	180	155	178	17	21	6.5
180 - 155 - 19	180	155	178	20	24	6.5
180 - 155 - 20	180	155	178	21	25	6.5
180 - 160 - 12	180	160	178	13	17	6.5
180 - 160 - 15	180	160	178	16	20	6.5
180 - 160 - 16	180	160	178	17	21	6.5
180 - 165 - 10	180	165	178	11	15	6.5
185 - 160 - 19	185	160	183	20	24	6.5
185 - 160 - 20	185	160	183	21	25	6.5
190 - 165 - 16	190	165	188	17	21	6.5
190 - 165 - 20	190	165	188	21	25	6.5
190 - 170 - 12	190	170	188	13	17	6.5
190 - 170 - 16	190	170	188	17	21	6.5
190 - 175 - 10	190	175	188	11	15	6.5
200 - 175 - 16	200	175	198	17	21	6.5
200 - 175 - 19	200	175	198	20	24	6.5
200 - 175 - 20	200	175	198	21	25	6.5
200 - 180 - 15	200	180	198	16	20	6.5
200 - 180 - 16	200	180	198	17	21	6.5
205 - 180 - 19	205	180	203	20	24	6.5
205 - 180 - 20	205	180	203	21	25	6.5
210 - 185 - 16	210	185	208	17	21	6.5
210 - 185 - 20	210	185	208	21	25	6.5
210 - 190 - 15	210	190	208	16	20	6.5
210 - 190 - 16	210	190	208	17	21	6.5
215 - 190 - 16	215	190	213	17	21	6.5
220 - 195 - 16	220	195	218	17	21	6.5
220 - 195 - 20	220	195	218	21	25	6.5
220 - 200 - 16	220	200	218	17	21	6.5

ODI OSI

规格及沟槽尺寸 specification & groove size

ODI

规格 specification	ØD H9/f8	Ød h10	ØD1-0.2	HA	HB	C
224 - 199 - 16	224	199	222	17	21	6.5
224 - 199 - 20	224	199	222	21	25	6.5
224 - 204 - 16	224	204	222	17	21	6.5
225 - 200 - 16	225	200	223	17	21	6.5
225 - 200 - 19	225	200	223	20	24	6.5
225 - 200 - 20	225	200	223	21	25	6.5
225 - 205 - 16	225	205	223	17	21	6.5
230 - 205 - 16	230	205	228	17	21	6.5
230 - 205 - 19	230	205	228	20	24	6.5
230 - 205 - 20	230	205	228	21	25	6.5
230 - 210 - 16	230	210	228	17	21	6.5
240 - 215 - 16	240	215	238	17	21	6.5
240 - 215 - 19	240	215	238	20	24	6.5
240 - 215 - 20	240	215	238	21	25	6.5
240 - 220 - 16	240	220	238	17	21	6.5
250 - 225 - 16	250	225	248	17	21	6.5
250 - 225 - 19	250	225	248	20	24	6.5
250 - 225 - 20	250	225	248	21	25	6.5
250 - 230 - 16	250	230	248	17	21	6.5
260 - 235 - 16	260	235	258	17	21	6.5
260 - 235 - 19	260	235	258	20	24	6.5
260 - 240 - 16	260	240	258	17	21	6.5
270 - 245 - 16	270	245	268	17	21	6.5
270 - 245 - 19	270	245	268	20	24	6.5
270 - 250 - 16	270	250	268	17	21	6.5
275 - 250 - 19	275	250	273	20	24	6.5
275 - 250 - 20	275	250	273	21	25	6.5
280 - 250 - 19	280	250	278	20	24	7.5
280 - 255 - 19	280	255	278	20	24	7.5
290 - 260 - 19	290	260	288	20	24	7.5
290 - 265 - 19	290	265	288	20	24	7.5
297 - 265 - 25	297	265	295	26	30	7.5
300 - 270 - 19	300	270	298	20	24	7.5
300 - 270 - 24	300	270	298	25	29	7.5
300 - 270 - 25	300	270	298	26	30	7.5
300 - 275 - 19	300	275	298	20	24	7.5
312 - 280 - 24	312	280	310	25	29	7.5
332 - 300 - 24	332	300	330	25	29	7.5
450 - 415 - 25	450	415	449	26	30	7.5

ODI OSI

规格及沟槽尺寸 specification & groove size

OSI

规格 specification	沟槽尺寸 Grooves dimensions					
	ØD H9/H8	Ød h10	ØD1 -0.2	HA	HB	C
28 - 20 - 5	28	20	27	5.7	8.7	2
33 - 25 - 5	33	25	32	5.7	8.7	2
35 - 27 - 5	35	27	34	5.7	8.7	2
35.5 - 27.5 - 5	35.5	27.5	34.5	5.7	8.7	2
35.5 - 28 - 5	35.5	28	34.5	5.7	8.7	2
40 - 30 - 6	40	30	39	7	10	2.5
41.5 - 31.5 - 5	41.5	31.5	40.5	7	10	2.5
45 - 35 - 6	45	35	44	7	10	2.5
45 - 35.5 - 6	45	35.5	44	7	10	2.5
50 - 40 - 6	50	40	49	7	10	2.5
55 - 45 - 6	55	45	54	7	10	2.5
56 - 45 - 7	56	45	55	8	11	2.5
56 - 46 - 6	56	46	55	7	10	2.5
60 - 50 - 6	60	50	59	7	10	2.5
63 - 53 - 6	63	53	62	7	10	2.5
65 - 55 - 6	65	55	64	7	10	2.5
66 - 56 - 6	66	56	65	7	10	2.5
70 - 60 - 6	70	60	69	7	10	2.5
71 - 60 - 7	71	60	70	8	11	2.5
71 - 61 - 6	71	61	70	7	10	2.5
73 - 63 - 6	73	63	72	7	10	2.5
75 - 65 - 6	75	65	74	7	10	2.5
77 - 67 - 6	77	67	76	7	10	2.5
80 - 70 - 6	80	70	79	7	10	2.5
80 - 71 - 6	80	71	79	7	10	2.5
85 - 75 - 6	85	75	84	7	10	2.5
90 - 80 - 6	90	80	89	7	10	2.5
100 - 85 - 9	100	85	98	10	13	4
105 - 90 - 9	105	90	103	10	13	4
110 - 95 - 9	110	95	108	10	13	4
112 - 98 - 8.5	112	98	110	9.5	12.5	4
115 - 100 - 9	115	100	113	10	13	4
120 - 105 - 9	120	105	118	10	13	4
120 - 106 - 8.5	120	106	118	9.5	12.5	4
125 - 112 - 9	125	112	123	10	13	4
130 - 115 - 9	130	115	128	10	13	4
140 - 125 - 9	140	125	138	10	13	4
150 - 135 - 9	150	135	148	10	13	4
150 - 136 - 8.5	150	136	148	9.5	12.5	4
155 - 140 - 9	155	140	153	10	13	4
160 - 145 - 9	160	145	158	10	13	4
170 - 155 - 9	170	155	168	10	14	4
175 - 160 - 9	175	160	173	10	14	4
180 - 165 - 9	180	165	178	10	14	4
190 - 175 - 9	190	172	188	10	14	4
200 - 180 - 12	200	180	198	13	17	5
210 - 190 - 12	210	190	208	13	17	5
220 - 200 - 12	220	200	218	13	17	5

规格及沟槽尺寸 specification & groove size

OSI

规格 specification	沟槽尺寸 Grooves dimensions					
	ØD H9/H8	Ød h10	ØD1 -0.2	HA	HB	C
224 - 204 - 12	224	204	222	13	17	5
225 - 205 - 12	225	205	223	13	17	5
230 - 210 - 12	230	210	228	13	17	5
240 - 220 - 12	240	220	238	13	17	5
250 - 230 - 12	250	230	248	13	17	5
260 - 240 - 12	260	240	258	13	17	5
270 - 250 - 12	270	250	268	13	17	5
280 - 255 - 16	280	255	278	17	21	6.5
290 - 265 - 16	290	265	288	17	21	6.5
300 - 275 - 16	300	275	298	17	21	6.5

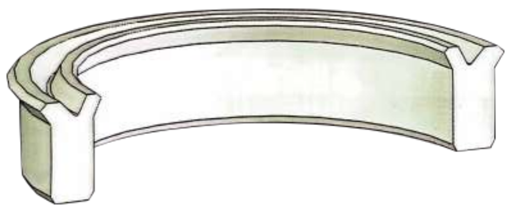
活塞密封

Piston seal

本产品是在沟槽中作紧密配合安装的活塞专用的一种唇形密封件，采用的标准是国标YX系列标准。

Description:

YX Piston seal is a lip－seal which fits tightly in the groove.



Advantages:

- Unusually High abrasion resistance
- Insensibility against shock loads and pressure peaks
- Low compression set

Technical Data

Operating conditions

Pressure: ≤31.5Mpa

Speed:≤0.5m/s

Temperature:-35~+110℃

Media:Hydraulic oils(Mineral oil－based).

Material

Material:CPU/TPU

Hardness:90－95 Shore A

Color:Light yellow、Blue、Green、Black

使用材料选用PU、NBR

硬度90－－95 Shore A

颜色为本色、蓝色、军绿色、黑色

与市场上其他YX密封件比，主要优点是承受压力

高压缩变形小，耐磨性能高等

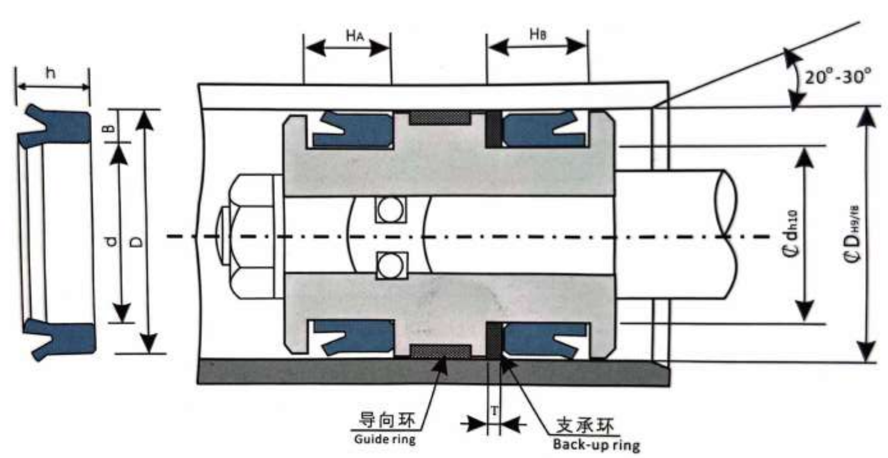
适用于高品质、高要求产品上的配套

工作压力：≤31.5Mpa

工作温度：-35～+110℃

运行速度：≤0.5m／s

介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

YX－D U1 USP ODU

规格 specification	沟槽尺寸 Grooves dimensions ØD$_{H9/f8}$	Ød$_{h10}$	H$_A$	H$_B$	T
11－5－8	11	5	9	10.5	1.5
12－6－8	12	6	9	10.5	1.5
14－8－8	14	8	9	10.5	1.5
16－10－8	16	10	9	10.5	1.5
18－12－8	18	12	9	10.5	1.5
20－14－8	20	14	9	10.5	1.5
22－16－8	22	16	9	10.5	1.5
24－18－8	24	18	9	10.5	1.5
25－19－8	25	19	9	10.5	1.5
27－21－8	27	21	9	10.5	1.5
30－22－10	30	22	12	13.5	1.5
32－24－10	32	24	12	13.5	1.5
35－27－10	35	27	12	13.5	1.5
20－10－7	36	28	12	13.5	1.5
40－32－10	40	32	12	13.5	1.5
43－35－10	43	35	12	13.5	1.5
45－37－10	45	37	12	13.5	1.5
50－42－10	50	42	12	13.5	1.5
55－43－14	55	43	16	18	2
55－47－10	55	47	12	13.5	1.5
56－44－14	56	44	16	18	2
56－48－14	56	48	12	13.5	2
60－48－14	60	48	16	18	2
63－51－14	63	51	16	18	2
65－53－14	65	53	16	18	2
68－56－14	68	56	16	18	2
70－58－14	70	58	16	18	2
75－63－14	75	63	16	18	2
78－66－14	78	66	16	18	2
80－68－14	80	68	16	18	2
85－73－14	85	73	16	18	2
90－78－14	90	78	16	18	2
95－83－14	95	83	16	18	2
100－88－14	100	88	16	18	2
105－89－18	105	89	20	22.5	2.5
110－90－16	110	90	18	20	2
110－94－18	110	94	20	22.5	2.5
115－99－18	115	99	20	22.5	2.5
120－104－18	120	104	20	22.5	2.5
125－109－18	125	109	20	22.5	2.5
127－111－18	127	111	20	22.5	2.5
130－114－18	130	114	20	22.5	2.5
135－119－18	135	119	20	22.5	2.5
140－124－18	140	124	20	22.5	2.5
145－129－18	145	129	20	22.5	2.5
150－134－18	150	134	20	22.5	2.5
155－139－18	155	139	20	22.5	2.5
160－144－18	160	144	20	22.5	2.5

规格及沟槽尺寸 specification & groove size

YX-D U1 USP ODU

规格 specification	沟槽尺寸 Grooves dimensions				
	$\varnothing D_{H9/f8}$	$\varnothing d_{h10}$	H_A	H_B	T
165 - 149 - 18	165	149	20	22.5	2.5
170 - 154 - 18	170	154	20	22.5	2.5
175 - 159 - 18	175	159	20	22.5	2.5
180 - 164 - 18	180	164	20	22.5	2.5
185 - 169 - 18	185	169	20	22.5	2.5
190 - 174 - 18	190	174	20	22.5	2.5
195 - 179 - 18	195	179	20	22.5	2.5
200 - 184 - 18	200	184	20	22.5	2.5
210 - 194 - 18	210	194	20	22.5	2.5
215 - 199 - 18	215	199	20	22.5	2.5
220 - 204 - 18	220	204	20	22.5	2.5
225 - 209 - 18	225	209	20	22.5	2.5
245 - 229 - 18	230	214	20	22.5	2.5
250 - 234 - 18	250	234	20	22.5	2.5
255 - 239 - 18	255	139	20	22.5	2.5
260 - 244 - 18	260	244	20	22.5	2.5
265 - 249 - 18	265	249	20	22.5	2.5
270 - 254 - 18	270	254	20	22.5	2.5
280 - 264 - 18	280	267	20	22.5	2.5
285 - 269 - 18	285	269	20	22.5	2.5
290 - 274 - 18	290	274	20	22.5	2.5
300 - 284 - 18	300	284	20	22.5	2.5
310 - 286 - 24	310	286	26.5	30	3
310 - 290 - 21	310	290	22	25	3
325 - 301 - 24	325	301	26.5	30	3
320 - 296 - 24	320	296	26.5	30	3
330 - 306 - 24	330	306	26.5	30	3.5
340 - 316 - 24	340	316	26.5	30	3
350 - 326 - 24	350	326	26.5	30	3
360 - 336 - 24	360	336	26.5	30	3
365 - 341 - 24	365	341	26.5	30	3
366 - 342 - 24	366	342	26.5	30	3.5
370 - 346 - 24	370	346	26.5	30	3.5
380 - 356 - 24	380	356	26.5	30	3
390 - 366 - 24	390	366	26.5	30	3
400 - 376 - 24	400	376	26.5	30	3
420 - 396 - 24	420	396	26.5	30	3
430 - 406 - 24	430	406	26.5	30	3
440 - 416 - 24	440	416	26.5	30	3
450 - 426 - 24	450	426	26.5	30	3
460 - 436 - 24	460	436	26.5	30	3
470 - 446 - 24	470	446	26.5	30	3
480 - 456 - 24	480	456	26.5	30	3
500 - 476 - 24	500	476	26.5	30	4
520 - 496 - 24	520	496	26.5	30	4
530 - 487 - 24	530	487	26.5	30	4
530 - 506 - 24	530	506	26.5	30	4
540 - 516 - 24	540	516	26.5	30	4

规格及沟槽尺寸 specification & groove size

YX-D U1 USP ODU

规格 specification	沟槽尺寸 Grooves dimensions				
	$\varnothing D_{H9/f8}$	$\varnothing d_{h10}$	H_A	H_B	T
550 - 526 - 24	550	526	26.5	30	3.5
560 - 536 - 24	560	536	26.5	30	4
570 - 546 - 24	570	546	26.5	30	4
580 - 556 - 24	580	556	26.5	30	4
600 - 576 - 24	600	576	26.5	30	4
625 - 601 - 24	625	601	26.5	30	3.5
630 - 606 - 24	630	606	26.5	30	4
650 - 626 - 24	650	626	26.5	30	4
670 - 646 - 24	670	646	26.5	30	4
680 - 656 - 24	680	656	26.5	30	4
700 - 676 - 24	700	676	26.5	30	4
710 - 686 - 24	710	686	26.5	30	4
750 - 726 - 24	750	726	26.5	30	4
780 - 756 - 24	780	756	26.5	30	4
790 - 766 - 24	790	766	26.5	30	4
800 - 776 - 24	800	776	26.5	30	4
850 - 826 - 24	850	826	26.5	30	3.5
860 - 836 - 24	860	836	26.5	30	4
870 - 846 - 24	870	846	26.5	30	4
900 - 876 - 24	900	876	26.5	30	3.5
940 - 916 - 24	940	916	26.5	30	4
950 - 926 - 24	950	926	26.5	30	4
1000 - 976 - 24	1000	976	26.5	30	4
1200 - 1176 - 24	1200	1176	26.5	30	4
1600 - 1576 - 24	1600	1576	26.5	30	4
- 105 - 93 - 14	105	93	16	18	2
- 110 - 98 - 14	110	98	16	18	2
- 115 - 103 - 14	115	103	16	18	2
- 120 - 108 - 14	120	108	16	18	2
- 125 - 113 - 14	125	113	16	18	2
- 130 - 118 - 14	130	118	16	18	2
- 135 - 123 - 14	135	123	16	18	2
- 140 - 128 - 14	140	128	16	18	2
- 145 - 133 - 14	145	133	16	18	2
- 150 - 138 - 14	150	138	16	18	2
- 155 - 143 - 14	155	143	16	18	2
- 160 - 148 - 14	160	148	16	18	2

活塞密封

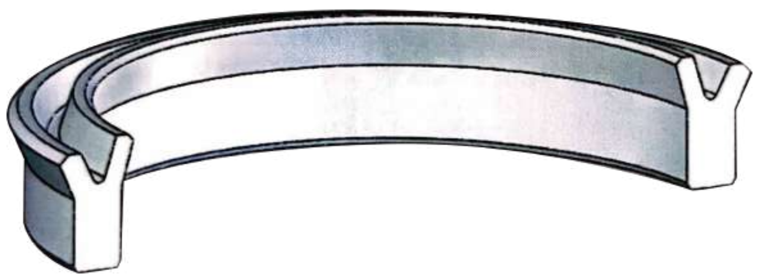
Piston seal

本产品用于往复运动液压油缸中活塞的密封

适用范围：各种工程机械及高温、高压冲击等工况恶劣的液压机械油缸

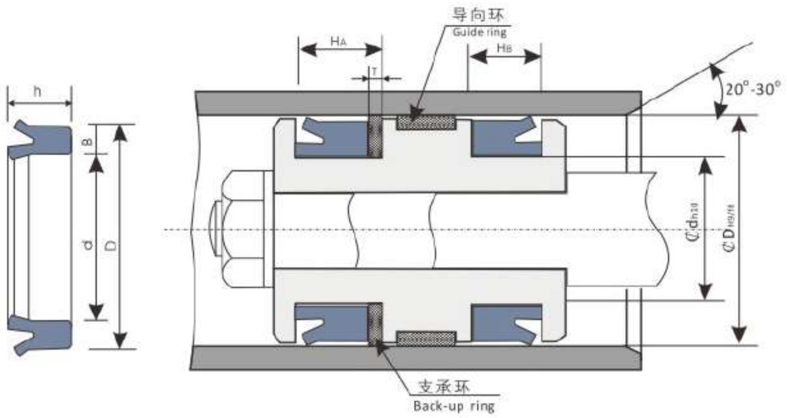
Application: the sealing of piston rod in hydraulic cylinder under reciprocating movements.

Application range:various engineering machinery, hydraulic cylinders under high temperature,highpressure impact at poor operating conditions.



Materials:TPU, CPU
Hardness:90±5° A
Temp range: -35~+110℃
Operating pressure: ≤40Mpa
Media:hydraulic fluids,emulsion,water
Source of standard:
own standards(grooves conform to GB2879-81)

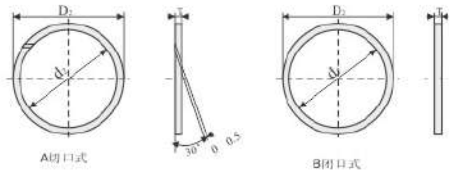
材质：聚氨酯TPU、CPU
产品硬度：90±5° A
工作温度：-35~+110℃
工作压力：≤40Mpa
工作介质：液压油、乳化液、水
标准来源：企业标准
（注：沟槽符合GB2879-81）



注：工作压力>16Mpa时，建议使用支承环

Remarks: for working pressure >16Mpa, back-up ring is recommended.

附：密封圈支承环使用说明



使用密封圈时，一般不设支承环。当工作压力大于16MPa时，或因运动副有较大偏心，间隙较大的情况下，在密封圈支承面放置一个支承环，以防止密封圈被挤入间隙引起密封圈的早期破损。
当密封圈作静密封使用时，可不用支承环。
挡圈材质：聚四氟乙烯、尼龙
产品硬度：HS≥98°A

规格及沟槽尺寸 specification & groove size

KY-D

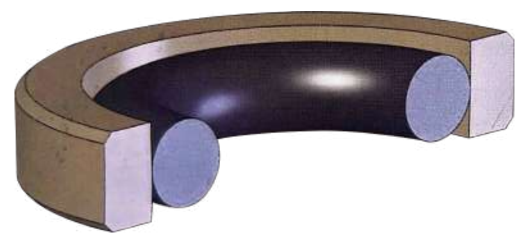
规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	Ød h10	HA	HB	T
12-4-5.6	12	4	6.3	7.8	1.5
16-8-5.6	16	8	6.3	7.8	1.5
20-10-7	20	10	8	9.5	1.5
20-12-5.6	20	12	6.3	7.8	1.5
25-15-7	25	15	8	9.5	1.5
25-17-5.6	25	17	6.3	7.8	1.5
36-26-7	36	26	8	9.5	1.5
36-28-5.6	36	28	6.3	7.8	1.5
40-30-7	40	30	8	9.5	1.5
40-32-5.6	40	32	6.3	7.8	1.5
50-35-11.5	50	35	12.5	14	1.5
50-40-7	50	40	8	9.5	1.5
56-41-11.5	56	41	12.5	14.5	2
56-46-7	56	46	8	10	2
63-48-11.5	63	48	12.5	14.5	2
63-53-7	63	53	8	10	2
70-50-15	70	50	16	18	2
70-55-11.5	70	55	12.5	14.5	2
80-60-15	80	60	16	18	2
80-65-11.5	80	65	12.5	14.5	2
90-70-15	90	70	16	18	2
90-75-11.5	90	75	12.5	14.5	2
100-80-15	100	80	16	18.5	2.5
100-85-11.5	100	85	12.5	15	2.5
110-90-15	110	90	16	18.5	2.5
110-95-11.5	110	95	12.5	15	2.5
125-100-19	125	100	20	22.5	2.5
125-105-15	125	105	16	18.5	2.5
140-115-19	140	115	20	22.5	2.5
140-120-15	140	120	16	18.5	2.5
150-121-18.5	150	121	19.5	22	2.5
150-130-15	150	130	16	18.5	2.5
160-135-19	160	135	20	22.5	2.5
160-140-15	160	140	16	18.5	2.5
170-140-24	170	140	25	28	3
180-155-19	180	155	20	23	3
180-160-15	180	160	16	19	3
200-170-23.5	200	170	25	28	3
200-175-19	200	175	20	23	3
220-190-23.5	220	190	25	28	3
220-195-19	220	195	20	23	3
250-220-23.5	250	220	25	28	3
250-225-19	250	225	20	23	3
280-250-23.5	280	250	25	28	3
320-290-23.5	320	290	25	28	3
360-330-23.5	360	330	25	28	3
400-360-30.5	400	360	32	36	3
450-410-30.5	450	410	32	36	3
500-460-30.5	500	460	32	36	3

格莱圈

Glyd-Ring

本产品是由一个密封环（PTFE复合材料）和一个o型圈（NBR或FKM）组成的活塞专用密封件。是液压密封中双向作用活塞密封的最佳选择。具体应用例子有：注塑机、机床、压力机、挖土机、叉车，等等。

Description: The double acting BSF Glyd-Ring is a combination of a slipper seal and an energizing O-Ring. It is prod-ucedwith an interference fit which together with the squeeze of the O-Ring ensures a good sealing effect even at low pressure.At higher system pressures, the O-Ring is energized by the fluid, pushing the Glyd-Ring against the sealin-gface withincreased force.



BSFP格莱圈：特殊的热塑型材料加橡胶O型圈组合而成

Advantages:

- High abrasion resistance
- No stick-slip effect when starting for smooth operation
- Minimum static and dynamic friction coefficient for aminimum energy loss and operating temperature
- No adhesive effect to the mating surface during long periodof inactivity or storage
- Easy installation

耐磨性能好，启动摩擦系数小，无爬行现象，较易安装。适用于液压缸双作用活塞

工作压力：≤50Mpa

工作温度：-35～+200℃（取决于O型圈材质）

运行速度：≤4m/s

介质：几乎所有介质

Technical Data

Operating conditions

Pressure:≤50Mpa

Temperature: -35~+200℃

(Depending on O-Ring Material).

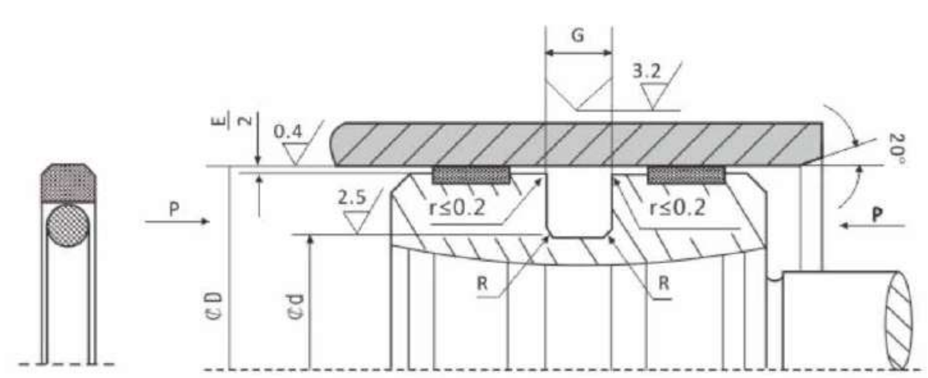
Speed:≤4m/s.

Media: almost all media.

Material

Material:Slipper seal:PTFE+BRONZE

O-Ring:NBR/FKM



规格及沟槽尺寸 specification & groove size

BSF BSFP

规格及沟槽尺寸 Specification & Groove Size

Serial No:	ØD	Ød	G	R	E	
	H9	h9	+0.2	max	0-20 Mpa	20-40 Mpa
BSF008	8	3.1	2.2	0.5	0.6-0.4	0.4-0.3
BSF010	10	5.1	2.2	0.5	0.6-0.4	0.4-0.3
BSF012	12	7.1	2.2	0.5	0.6-0.4	0.4-0.3
BSF014	14	9.1	2.2	0.5	0.6-0.4	0.4-0.3
BSF015	15	7.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF016	16	8.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF018	18	10.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF020	20	12.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF022	22	14.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF025	25	17.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF028	28	20.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF030	30	22.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF032	32	24.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF035	35	27.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF036	36	28.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF038	38	30.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF039	39	31.5	3.2	0.5	0.8-0.5	0.5-0.3
BSF040	40	29	4.2	0.7	0.8-0.5	0.5-0.3
BSF045	45	34	4.2	0.7	0.8-0.5	0.5-0.3
BSF048	48	37	4.2	0.7	0.8-0.5	0.5-0.3
BSF050	50	39	4.2	0.7	0.8-0.5	0.5-0.3
BSF052	52	41	4.2	0.7	0.8-0.5	0.5-0.3
BSF055	55	44	4.2	0.7	0.8-0.5	0.5-0.3
BSF060	60	49	4.2	0.7	0.8-0.5	0.5-0.3
BSF063	63	52	4.2	0.7	0.8-0.5	0.5-0.3
BSF064	64	53	4.2	0.7	0.8-0.5	0.5-0.3
BSF065	65	54	4.2	0.7	0.8-0.5	0.5-0.3
BSF070	70	59	4.2	0.7	0.8-0.5	0.5-0.3
BSF075	75	64	4.2	0.7	0.8-0.5	0.5-0.3
BSF080	80	64.5	6.3	1.2	1-0.6	0.6-0.4
BSF085	85	69.5	6.3	1.2	1-0.6	0.6-0.4
BSF089	89	73.5	6.3	1.2	1-0.6	0.6-0.4
BSF090	90	74.5	6.3	1.2	1-0.6	0.6-0.4
BSF095	95	79.5	6.3	1.2	1-0.6	0.6-0.4
BSF100	100	84.5	6.3	1.2	1-0.6	0.6-0.4
BSF105	105	89.5	6.3	1.2	1-0.6	0.6-0.4
BSF110	110	94.5	6.3	1.2	1-0.6	0.6-0.4
BSF115	115	99.5	6.3	1.2	1-0.6	0.6-0.4
BSF120	120	104.5	6.3	1.2	1-0.6	0.6-0.4
BSF125	125	109.5	6.3	1.2	1-0.6	0.6-0.4
BSF130	130	114.5	6.3	1.2	1-0.6	0.6-0.4
BSF132	132	116.5	6.3	1.2	1-0.6	0.6-0.4
BSF133	133	112	8.1	1.5	1-0.6	0.6-0.4
BSF135	135	114	8.1	1.5	1-0.6	0.6-0.4
BSF140	140	119	8.1	1.5	1-0.6	0.6-0.4
BSF145	145	124	8.1	1.5	1-0.6	0.6-0.4
BSF150	150	129	8.1	1.5	1-0.6	0.6-0.4
BSF155	155	134	8.1	1.5	1-0.6	0.6-0.4
BSF160	160	139	8.1	1.5	1-0.6	0.6-0.4
BSF165	165	144	8.1	1.5	1-0.6	0.6-0.4
BSF170	170	149	8.1	1.5	1-0.6	0.6-0.4
BSF175	175	154	8.1	1.5	1-0.6	0.6-0.4
BSF180	180	159	8.1	1.5	1-0.6	0.6-0.4
BSF185	185	164	8.1	1.5	1-0.6	0.6-0.4
BSF190	190	169	8.1	1.5	1-0.6	0.6-0.4
BSF195	195	174	8.1	1.5	1-0.6	0.6-0.4
BSF200	200	179	8.1	1.5	1-0.6	0.6-0.4

规格及沟槽尺寸 specification & groove size

BSF BSFP

规格及沟槽尺寸 Specification & Groove Size						
Serial No:	ØD	Ød	G	R	E	
	H9	h9	+0.2	max	0 -20 Mpa	20 - 40 Mpa
BSF205	205	184	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF210	210	189	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF215	215	194	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF220	220	199	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF225	225	204	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF230	230	209	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF235	235	214	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF240	240	219	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF245	245	224	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF250	250	229	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF255	255	234	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF260	260	239	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF265	265	244	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF270	270	249	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF275	275	254	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF280	280	259	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF285	285	264	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF290	290	269	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF295	295	274	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF300	300	279	81	1.5	1 - 0.6	0.6 - 0.4
BSF310	310	289	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF320	320	299	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF330	330	305.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF340	340	315.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSF350	350	325.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF360	360	335.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF370	370	345.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF380	380	355.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF390	390	365.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF400	400	375.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF410	410	385.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF420	420	395.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF430	430	405.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF440	440	415.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF450	450	425.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF460	460	435.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF470	470	445.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF480	480	455.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF490	490	465.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF500	500	475.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF510	510	485.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF520	520	495.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF530	530	505.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF540	540	515.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF550	550	525.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF560	560	535.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF570	570	545.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF580	580	555.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF590	590	565.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF600	600	575.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF610	610	585.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5
BSF620	620	595.5	8.1	1.5	1.2 - 0.7	0.7 - 0.5

格莱圈

Glyd –Ring

本产品是由一个密封环（BSD复合材料）和一个O型圈（NBR或FKM）组成的活塞专用密封件。

Description:

Description: The double acting BSD Glyd – Ring is a combination of a slipper seal and an energizing O – Ring.

Advantages:

- High abrasion resistance
- No stick – slip effect when starting for smooth operation
- Minimum static and dynamic friction coefficient for aminimum energy loss and operating temperature
- No adhesive effect to the mating surface duringlong period of inactivity or storage
- Easy installation

耐磨性能好，启动摩擦系数小，无爬行现象，

较易安装。适用于液压缸双作用活塞

工作压力：≤50Mpa

工作温度：－35～＋200℃．（取决于O型圈材质）

运行速度：≤4m / s

介质：几乎所有介质

Technical Data

Operating conditions

Pressure:≤50Mpa

Temperature: – 35~+200℃

(Depending on O – Ring Material)

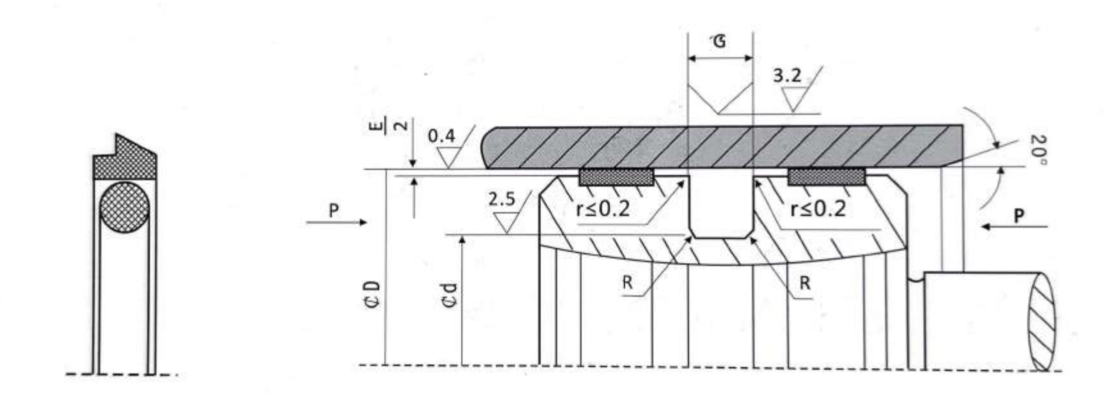
Speed:≤4m/s

Media:almost all media

Material

Material:Slipper seal:PTFE+BRONZE

O – Ring:NBR/FKM



规格及沟槽尺寸 specification & groove size

BSD

规格及沟槽尺寸 Specification & Groove Size						
	ØD	ød	G	R	E	
Serial No:	H9	h9	+0.2	max	0 -- 20 Mpa	20 -- 40 Mpa
BSD008	8	3.1	2.2	0.5	0.6 - 0.4	0.4 - 0.3
BSD010	10	5.1	2.2	0.5	0.6 - 0.4	0.4 - 0.3
BSD012	12	7.1	2.2	0.5	0.6 - 0.4	0.4 - 0.3
BSD015	15	10.1	2.2	0.5	0.6 - 0.4	0.4 - 0.3
BSD018	18	10.7	3.2	0.5	0.6 - 0.4	0.5 - 0.3
BSD020	20	12.7	3.2	0.5	0.6 - 0.4	0.5 - 0.3
BSD022	22	14.7	3.2	0.8	0.6 - 0.4	0.5 - 0.3
BSD025	25	17.7	3.2	0.8	0.8 - 0.5	0.5 - 0.3
BSD027	27	16.3	3.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD028	28	17.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD030	30	19.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD032	32	21.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD035	35	24.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD036	36	25.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD038	38	27.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD040	40	29.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD045	45	34.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD048	48	37.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD050	50	39.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD052	52	41.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD055	55	44.3	4.2	1.2	0.8 - 0.5	0.5 - 0.4
BSD060	60	44.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD063	63	47.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD064	64	48.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD065	65	49.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD067	67	51.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD070	70	54.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD075	75	59.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD080	80	64.9	6.3	1.2	1 - 0.6	0.6 - 0.4
BSD085	85	69.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD090	90	74.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD095	95	79.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD100	100	84.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD105	105	89.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD110	110	94.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD120	120	104.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD125	125	109.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD130	130	114.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD135	135	119.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD140	140	124.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD145	145	129.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD150	150	134.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD155	155	139.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD160	160	144.9	6.3	1.5	1 - 0.6	0.6 - 0.4
BSD165	165	144.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD170	170	149.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD175	175	165.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD180	180	159.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD190	190	169.5	8.1	2	1 - 0.6	0.6 - 0.4

BSD

规格及沟槽尺寸 specification & groove size

BSD

规格及沟槽尺寸 Specification & Groove Size						
	ØD	Ød	G	R	E	
Serial No:	H9	h9	+0.2	max	0 -- 20 Mpa	20 -- 40 Mpa
BSD200	200	179.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD210	210	189.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD220	220	199.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD230	230	209.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD240	240	219.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD250	250	229.5	8.1	2	1 - 0.6	0.6 - 0.4
BSD260	260	236	8.1	2	1 - 0.6	0.6 - 0.4
BSD270	270	246	8.1	2	1 - 0.6	0.6 - 0.4
BSD280	280	256	8.1	2	1 - 0.6	0.6 - 0.4
BSD300	300	276	8.1	2	1 - 0.6	0.6 - 0.4
BSD310	310	286	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD320	320	296	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD340	340	316	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD350	350	326	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD360	360	336	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD370	370	346	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD380	380	356	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD390	390	366	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD400	400	376	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD410	410	386	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD420	420	396	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD430	430	406	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD440	440	416	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD450	450	426	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD460	460	436	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD470	470	446	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD480	480	456	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD490	490	466	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD500	500	476	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD510	510	486	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD520	520	495.5	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD530	530	506	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD540	540	516	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD550	550	526	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD560	560	536	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD570	570	546	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD580	580	556	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD600	600	576	8.1	2	1.2 - 0.7	0.7 - 0.5
BSD610	610	586	8.1	2	1.2 - 0.7	0.7 - 0.5

BSD

BNS

旋转组合密封

Rotary compact seals

本产品是由一个密封环（PTFE复合材料）和一个o型圈（NBR或FKM）组成的活塞专用密封件。

Description: BNS consists of a seal ring and is activated by an O-Ring as an elastic energizing element. Thecontact surface profile of the seal ring is specially designed for use under high pressures and at low sliding speeds.BNS is the preferably used as a double acting rotary seal for hydraulic and pneumatic equipment in sectors such as:rotary distr-ibutors, high pressure valve stems, manipulators, pivoting motors in mobile hydraulic and machinetools,hydraulic motors and so on.

Advantages:

- Available for internal and external sealing applications
- Low friction
- Stick-slip-free starting, no sticking
- High abrasion resistance and dimensional stability
- Simple groove design, small groove dimensions
- Easy installation

Technical Data

Operating conditions
Pressure:≤40Mpa
Temperature:-35~+200℃
(FKM O-Ring should be used when temperature is over 100℃)
Speed:≤0.2m/s
Media:almost all media

Material

Material: Seal ring: PTFE+BRONZE
O-Ring:NBR/FKM

耐磨性能好，启动摩擦系数小，较易安装

适用于液压设备中的高压低速回转密封

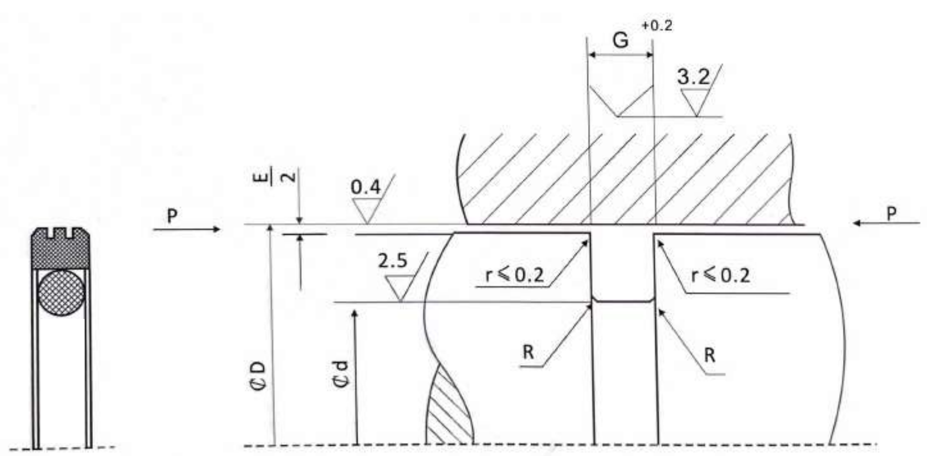
工作压力：≤40Mpa

工作温度：-35~+200℃

（注：超过100℃的工况，必须配氟胶O型圈）

运行速度：≤0.2m/s

介质：几乎所有介质



规格及沟槽尺寸 specification & groove size

规格及沟槽尺寸 Specification & Groove Size

Serial No:	ØD H9	Ød h9	G +0.2	R max	E 0--20Mpa	E 20--40Mpa
BNS020	20	15.1	2.2	0.3-0.5	0.4-0.25	0.25-0.15
BNS022	22	17.1	2.2	0.3-0.5	0.4-0.25	0.25-0.15
BNS025	25	20.1	2.2	0.3-0.5	0.4-0.25	0.25-0.15
BNS028	28	23.1	2.2	0.3-0.5	0.4-0.25	0.25-0.15
BNS030	30	25.1	2.2	0.3-0.5	0.4-0.25	0.25-0.15
BNS032	32	27.1	2.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS035	35	30.1	2.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS038	38	33.1	2.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS040	40	32.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS042	42	34.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS045	45	37.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS048	48	40.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS050	50	42.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS055	55	47.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS060	60	52.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS063	63	55.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS070	70	62.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS075	75	67.5	3.2	0.5-0.8	0.6-0.4	0.4-0.2
BNS080	80	69	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS090	90	79	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS100	100	89	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS105	105	94	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS110	110	99	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS115	115	104	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS120	120	109	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS125	125	114	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS130	130	119	4.2	1.7-1.2	0.6-0.4	0.4-0.2
BNS140	140	124.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS150	150	134.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS160	160	144.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS170	170	154.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS180	180	164.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS190	190	174.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS200	200	184.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS210	210	194.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS220	220	204.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS240	240	224.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS250	250	234.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS280	280	264.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS300	300	284.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS320	320	304.5	6.3	1.2-1.5	0.8-0.55	0.55-0.3
BNS350	350	329	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS360	360	339	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS400	400	379	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS420	420	399	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS450	450	429	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS480	480	459	8.1	1.5-2	0.8-0.55	0.55-0.3
BNS500	500	479	8.1	1.5-2	0.8-0.55	0.55-0.3

活塞组合密封

Piston compact seal

OK型活塞密封件主要用于重型液压设备，特别适合于双作用活塞。这类密封件适用于工作压力高达500bar，在某些情况下可以更高。

Description:

The OK profile is a bi-directional piston seal designed for heavy duty hydraulic application.

Advantages:

- Low friction
- Superior sealing effect in high pressure
- Easy onto a solid piston without tools
- It will resist shock loads,wear,comtamination，and will resist extrusion or chipping

Technical Data

Pressure:≤50Mpa

Temperature: -30℃~+110℃

Speed:≤1m/s

Material

Material:POM/NBR

Hardness:NBR 80ShoreA

本产品的优点

形状小

耐冲击负荷

摩擦都很低

由于液压缸密封圈为开口式结构，故耐磨性高

由于液压缸密封圈特殊的材料性能，在高压和大间隙下均有较强的抗挤压能力

应用范围：

工作压力：≤50Mpa

工作温度：-30℃至+110℃

表面速度：≤1m/s

适用于标准工业缸以及农场设备、轻型建筑和行走装置。由于有特高的动态密封性能，所以它特别适用于对泄漏要求严格的场合，如转向助力缸

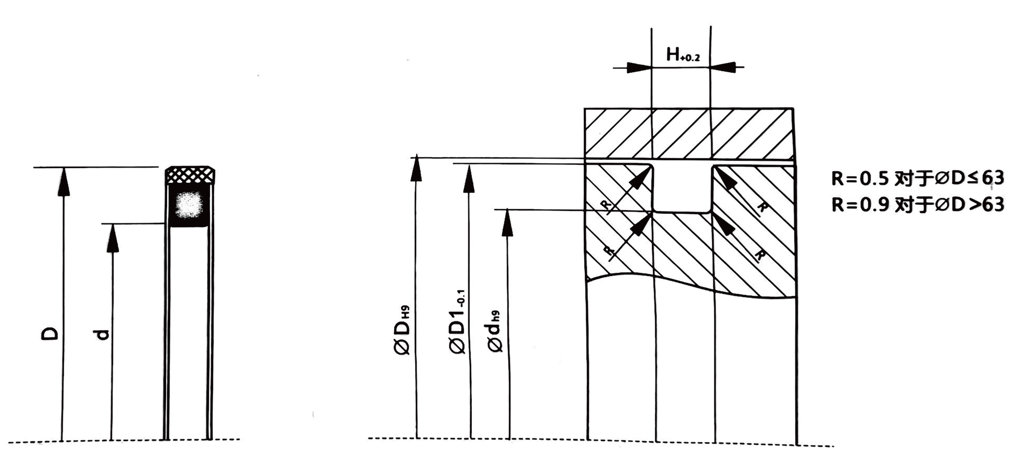
安装：

安装沟槽应仔细去除毛刺并清洗干净。缸内径入口处应做倒角

材料：

缸密封圈：填充改性的热塑性材料

胀圈：邵氏硬度约为80A的NBR橡胶



OK

规格及沟槽尺寸 specification & groove size

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød h9	H +0.2	ØD1 -0.1
25-16-4.2	25	16	4.2	24.3
32-21-4.2	32	21	4.2	31.3
40-29-4.2	40	29	4.2	39.3
40-26.3-5.8	40	26.3	5.8	39.3
50-34.5-6.3	50	34.5	6.3	49
50-39-4.2	50	39	4.2	49.3
60-41.7-7	60	41.7	7	59.2
60-49-4.2	60	49	4.2	59.3
63-44.7-7	63	44.7	7	62.2
63-47.5-6.3	63	47.5	6.3	62
70-51.7-7	70	51.7	7	69.2
70-59-4.2	70	59	4.2	69.3
75-54-8	75	54	8	74.2
75-59.5-6.3	75	59.5	6.3	74
80-59-8	80	59	8	79
80-64.5-6.3	80	64.5	6.3	79
85-64-8	85	64	8	84
90-64.5-6.3	90	64.5	6.3	89
90-69-8	90	69	8	89
90-74.5-6.3	90	74.5	6.3	89
90-84-7.8	90	84	7.8	89
95-74-8	95	74	8	94
100-79-8	100	79	8	99
100-84.5-6.3	100	84.5	6.3	99
105-84-8	105	84	8	103.8
110-89-8	110	89	8	108.8
110-94.5-6.3	110	94.5	6.3	109
115-94-8	115	94	8	113.8
120-99-8	120	99	8	118.8
125-104-8	125	104	8	123.8
125-109.5-6.3	125	109.5	6.3	124
130-109-8	130	109	8	128.8
135-119.5-6.3	135	119.5	6.3	134
135-114-8	135	114	8	133.8
140-119-8	140	119	8	138.8
145-124-8	145	124	8	143.8
150-129-8	150	129	8	148.8
160-139-8	160	139	8	158.8
165-144-8	165	144	8	163.8
170-149-8	170	149	8	168.8
175-154-8	175	154	8	173.8
180-159-8	180	159	8	178.8
190-169-8	190	169	8	188.8
200-179-8	200	179	8	198.8
210-189-8	210	189	8	208.4
220-199-8	220	199	8	218.4
230-209-8	230	209	8	228.4
240-225-8	240	225	8	238.4
250-229-8	250	229	8	248.4
260-239-8	260	239	8	258.4
270-249-8	270	249	8	268.4
280-255.5-8	280	255.5	8	278.4
290-271-9.5	290	271	9.5	287.8
300-272-9.5	300	272	9.5	297.8
320-292-9.5	320	292	9.5	317.8
330-302-9.5	330	302	9.5	327.8
350-322-9.5	350	322	9.5	347.8
370-342-9.5	370	342	9.5	367.8
420-392-9.5	420	392	9.5	417.8
450-422-9.5	450	422	9.5	447.8
480-452-9.5	480	452	9.5	477.8

KR

活塞组合密封

Piston compact seal

KR型活塞密封组件应属于安装沟槽的双作用活塞密封件(OE,OK)的产品系列的补充产品，其适用的压力范围最大可达300bar。密封元件由一个滑环(是用特种聚氨酯制成的，具有改进的滑动特性和特高的模量)和一个膨胀元件(具有方形截面，用NBR橡胶制成)组成。

Description:The KR seal is bi-directional piston seal for use in light to medium duty hydraulic applications Low friction, abrasion and extrusion resistance,

Advantages:

- The nitrile elastomer resistant to compression set to increase seallife.
- The profile is easy to install and resist rolling and twisting in long stroke applications.

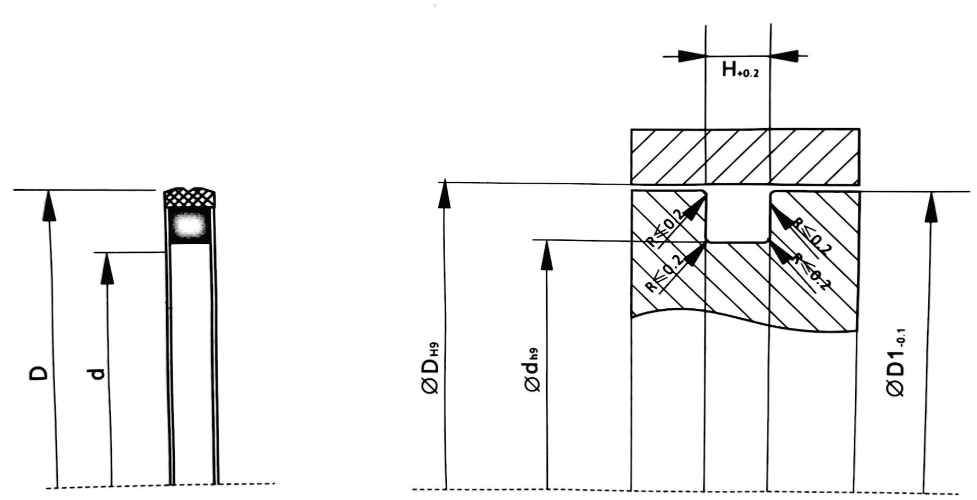
Technical Data

Pressure: ≤30Mpa
Temperature: -30℃~+110℃
Speed: ≤0.5m/s

Material

Material:PU/NBR
Hardness:PU 55 ShoreD NBR 80 ShoreA

本产品的优点：
特高的动、静态密封性能
亦适用于单向作用。极好的耐磨性
在整个工作时间内均可保持低摩擦运行
极高的抗挤压性
可简单地安装在整体活塞上
轴向安装长度短
应用范围：
工作压力：≤30Mpa
工作温度：-30℃ ~ +110℃
表面速度：≤0.5m / s
安装：
安装沟槽应仔细去除毛刺并清洗干净。缸内径应做前沿倒角。
KR型密封件可装入闭式沟槽
材料：
滑环：邵氏硬度约为55D的改性聚氨酯
胀圈：邵氏硬度约为80A的NBR橡胶



规格及沟槽尺寸 specification & groove size

KR

规格 specification	沟槽尺寸 Grooves dimensions ØD$_{H9}$	Ød$_{h9}$	H$_{+0.2}$	ØD1$_{-0.1}$
20 - 12.5 - 3.2	20	12.5	3.2	19.7
25 - 17.5 - 3.2	25	17.5	3.2	24.7
25 - 14 - 4.2	25	14	4.2	24.7
32 - 24.5 - 3.2	32	24.5	3.2	31.7
32 - 21 - 4.2	32	21	4.2	31.7
40 - 32.5 - 3.2	40	32.5	3.2	39.7
40 - 29 - 4.2	40	29	4.2	39.7
45 - 34 - 4.2	45	34	4.2	44.7
45 - 32 - 6.3	45	32	6.3	44.6
50 - 39 - 4.2	50	39	4.2	49.7
50 - 34.5 - 6.3	50	34.5	6.3	49.6
55 - 39.5 - 6.3	55	39.5	6.3	54.6
55 - 44 - 4.2	55	44	4.2	54.7
60 - 49 - 4.2	60	49	4.2	59.7
60 - 44.5 - 6.3	60	44.5	6.3	59.6
60 - 47.5 - 6.5	60	47.5	6.5	59.6
63 - 52 - 4.2	63	52	4.2	62.7
63 - 47.5 - 6.3	63	47.5	6.3	62.6
63 - 50 - 6.3	63	50	6.3	62.6
65 - 52 - 6.3	65	52	6.3	64.6
70 - 59 - 4.2	70	59	4.2	49.7
70 - 54.5 - 6.3	70	54.5	6.3	69.6
70 - 57 - 6.3	70	57	6.3	69.6
75 - 54.5 - 6.3	75	54.5	6.3	74.6
75 - 59.5 - 6.3	75	59.5	6.3	74.6
80 - 69 - 4.2	80	69	4.2	79.7
80 - 64.5 - 6.3	80	64.5	6.3	79.6
85 - 71.5 - 6.3	85	71.5	6.3	84.6
90 - 74.5 - 6.3	90	74.5	6.3	89.6
90 - 69 - 8.1	90	69	8.1	89.5
90 - 69 - 10.5	90	69	10.5	89.5
95 - 79.5 - 6.3	95	79.5	6.3	94.6
100 - 84.5 - 6.3	100	84.5	6.3	99.6
100 - 86.5 - 6.3	100	86.5	6.3	99.6
100 - 79 - 8.1	100	79	8.1	99.5
105 - 84.5 - 6.3	105	84.5	6.3	104.6
105 - 89.5 - 6.3	105	89.5	6.3	104.6
110 - 89 - 8.1	110	89	8.1	109.5
115 - 94 - 8.1	115	94	8.1	114.5
120 - 99 - 8.1	120	99	8.1	119.5
125 - 109.5 - 6.3	125	109.5	6.3	124.6
125 - 104 - 8.1	125	104	8.1	124.5
140 - 119 - 8.1	140	119	8.1	139.5
140.8 - 133.8 - 7	140.8	133.8	7.8	140.3
160 - 139 - 8.1	160	139	8.1	159.5
200 - 179 - 8.1	200	179	8.1	199.5

活塞组合密封

Piston compact seal

本产品是由一个密封环（PTFE复合材料）和一个方型圈（NBR或FKM）组成的活塞专用密封件。

Description:

Description: The double actingSPGGlyd -Ring is a combination of a slipper seal and an energizing square -Ring.

Advantages:

- High static and dynamic sealing effect
- High resistance against extrusion
- Low friction,high efficiency
- Stick-slip free starting,no sticking
- High abrasion resistance, high operational reliability
- Wide range of application temperatures and high restance to chemicals, depending on the choice of O-Ring material
- Easy installation

Technical Data

Operating Conditions

Pressure:≤50Mpa

Temperature:-35C~+200℃

Speed:≤5m/s

Media: almost all media.

Material

Material:Seal element:PTFE+BRONZE

O-Ring:NBR/FKM

密封圈材料：PTFE＋BRONZE，方型圈：NBR，FKM

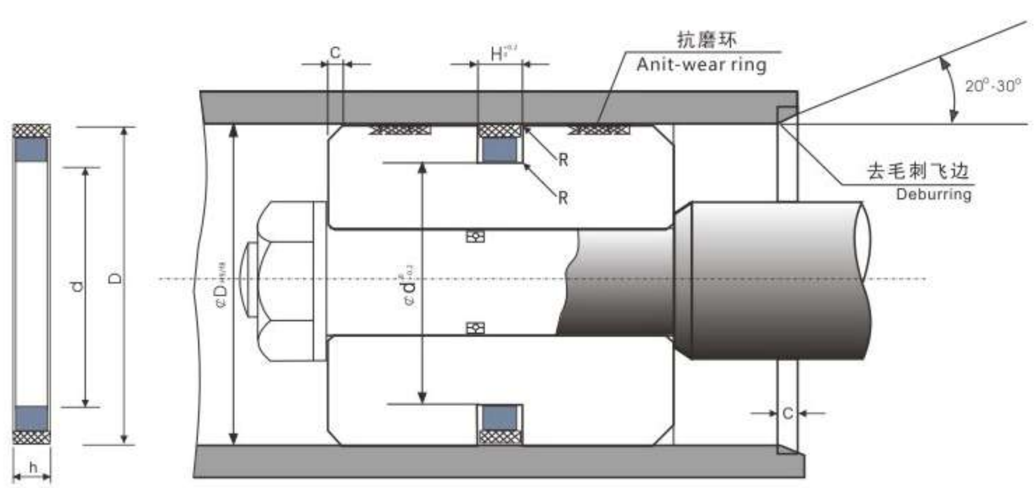
耐磨性能好，启动摩擦系数小，无爬行现象，抗挤出，耐冲击，耐高温，较易安装

工作压力：≤50Mpa

工作温度：-35℃~+200℃

运行速度：≤5m/s

介质：几乎所有介质



SPG

规格及沟槽尺寸 specification & groove size

规格	沟槽尺寸 Grooves dimensions			
specification	$ØD_{H9/f8}$	$Ød^{0}_{-0.2}$	$H_{0}^{+0.2}$	C
30 - 20.5 - 4.3	30	20.5	4.5	2
31.5 - 22 - 4.3	31.5	22	4.5	3.5
32 - 22.5 - 4.3	32	22.5	4.5	3.5
35 - 25.5 - 4.3	35	25.5	4.5	3.5
35.5 - 26 - 4.3	35.5	26	4.5	3.5
40 - 30 - 4.3	40	30	4.5	3.5
45 - 35 - 4.3	45	35	4.5	3.5
50 - 40 - 4.3	50	40	4.5	4
55 - 45 - 4.3	55	45	4.5	4
56 - 46 - 4.3	56	46	4.5	4
60 - 50 - 4.3	60	50	4.5	4
63 - 48 - 7.3	63	48	7.5	4
65 - 50 - 7.3	65	50	7.5	4
69 - 54 - 7.3	69	54	7.5	4
80 - 55 - 7.3	70	55	7.5	5
71 - 56 - 7.3	71	56	7.5	5
75 - 60 - 7.3	75	60	7.5	5
80 - 65 - 7.3	80	65	7.5	5
85 - 70 - 7.3	85	70	7.5	5
90 - 75 - 7.3	90	75	7.5	5
95 - 80 - 7.3	95	80	7.5	5
100 - 85 - 7.3	100	85	7.5	5
108 - 92 - 7.3	108	92	7.5	5
110 - 94 - 7.3	110	94	7.5	5
112 - 96 - 7.3	112	96	7.5	6.5
120 - 104 - 7.3	120	104	7.5	6.5
125 - 109 - 7.3	125	109	7.5	6.5
130 - 114 - 7.3	130	114	7.5	6.5
140 - 124 - 7.3	140	124	7.5	6.5
145 - 129 - 7.3	145	129	7.5	6.5
150 - 134 - 7.3	150	134	7.5	6.5
155 - 139 - 7.3	155	139	7.5	6.5
160 - 144 - 7.3	160	144	7.5	6.5
170 - 148 - 10.8	170	148	11	6.5
180 - 158 - 10.8	180	158	11	6.5
190 - 168 - 10.8	190	168	11	6.5
200 - 178 - 10.8	200	178	11	6.5
204 - 182 - 10.8	204	182	11	6.5
210 - 188 - 10.8	210	188	11	6.5
220 - 198 - 10.8	220	198	11	6.5
224 - 202 - 10.8	224	202	11	6.5
225 - 203 - 10.8	225	203	11	6.5
230 - 208 - 10.8	230	208	11	6.5
240 - 218 - 10.8	240	218	11	6.5
250 - 228 - 10.8	250	228	11	6.5
260 - 236 - 11.7	260	236	12	7.5
270 - 246 - 11.7	270	246	12	7.5
280 - 256 - 11.7	280	256	12	7.5
290 - 266 - 11.7	290	266	12	7.5
300 - 276 - 11.7	300	276	12	7.5

规格及沟槽尺寸 specification & groove size

SPG

规格	沟槽尺寸 Grooves dimensions			
specification	$ØD_{H9/f8}$	$Ød^{0}_{-0.2}$	$H_{0}^{+0.2}$	C
310－286－11.7	310	286	12	7.5
320－296－11.7	320	296	12	7.5
330－308－9.75	330	308	10	10
360－336－11.7	360	336	12	10
485－455－14.8	485	455	15	10
500－470－14.8	500	470	15	10
550－545－17.2	550	515	17.5	10
600－570－14.8	600	570	15	10
650－620－14.8	650	620	15	10
720－690－14.8	720	690	15	10
800－785－12.7	800	785	23	15
900－870－24.5	900	870	25	15
930－890－19	930	890	20	15
935－920－12.7	935	920	13	15
950－925－17.7	950	925	18	15
1000－960－19.7	1000	960	20	20
1060－1020－19.7	1060	1020	20	20
1120－1080－19.7	1120	1080	20	20
1150－1110－19.7	1150	1110	20	20
1180－1130－19.7	1180	1130	20	20
1210－1170－19.7	1210	1170	20	20
1250－1210－19.7	1250	1210	20	20
1260－1220－19.7	1260	1220	20	20
1400－1350－19.7	1400	1350	20	20
1500－1460－19.7	1500	1460	20	20
1650－1600－24	1650	1600	25	20

S P G

活塞组合密封

Piston compact seal

本产品是一种双作用活塞专用组合密封件。由一个弹性密封圈，两个支承环和一个密封环组合而成。

Description:

SPGW is a four piece double acting heavy duty compact seal which consist of one PTFE bronze profile ring,one elastomeric nitrile rubber pre-load sealing element and two thermoplastic back-up rings.

Advantages:

- High sliding speed.
- Low friction,free of stick-slip
- Simple groove design
- Long service life
- Very good sealing performance even with pressure peaks
- High resistance to abrasion
- Increase clearance possible

Technical Data

Operating Conditions
Pressure: ≤50Mpa
Temperature:-35C~+110C
Speed: ≤1.5m/s
Media: mineral oils, HFA and HFB,HFC

使用材料：NBR，PTFE＋BRONZE，POM

耐磨性能好，启动摩擦系数小，无爬行现象，抗挤出，耐冲击，耐高温，较易安装。

工作压力：≤50Mpa

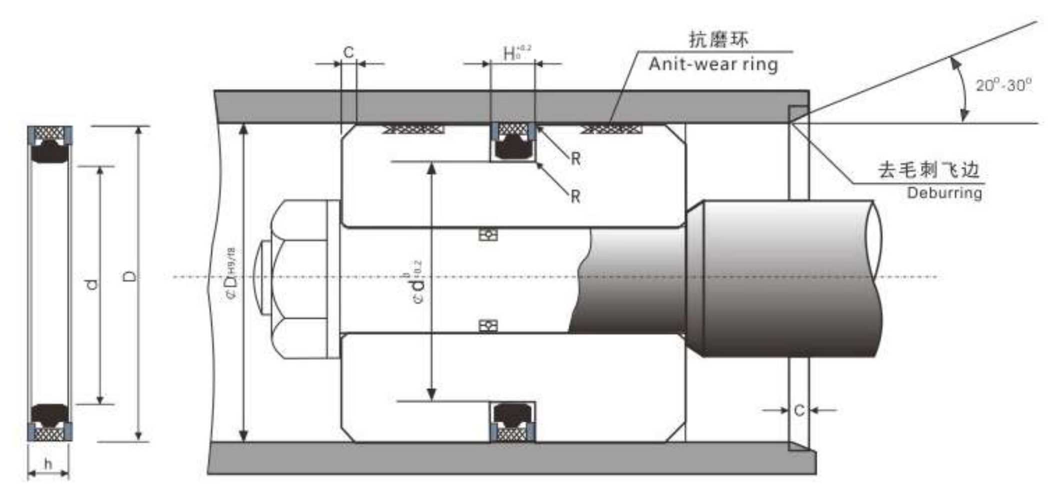
工作温度：-35℃~+110℃

运行速度：≤1.5m/s

介质：几乎所有介质

Material

Material:NBR/PTFE+BRONZE/POM



S P G W

规格及沟槽尺寸 specification & groove size

SPGW

规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	 Ød	 H	 C
50-36-8.5	50	36	9	4
60-46-8.5	60	46	9	4
63-48-7.3	63	48	7.8	4
63-48-10.5	63	48	11	5
65-50-10.5	65	50	11	5
70-55-10.5	70	55	11	5
75-60-10.5	75	60	11	5
80-65-10.5	80	65	11	5
85-70-10.5	85	70	11	5
90-75-10.5	90	75	11	5
95-80-10.5	95	80	11	5
100-85-12	100	85	12.5	5
105-90-12	105	90	12.5	5
110-95-12	110	95	12.5	5
115-100-12	115	100	12.5	6.5
120-105-12	120	105	12.5	6.5
125-102-15.5	125	102	16	6.5
130-107-15.5	130	107	16	6.5
135-112-15.5	135	112	16	6.5
140-117-15.5	140	117	16	6.5
145-122-15.5	145	122	16	6.5
150-127-15.5	150	127	16	6.5
160-137-15.5	160	137	16	6.5
170-148-15.5	170	147	16	6.5
180-157-15.5	180	157	16	6.5
185-162-15.5	185	162	16	6.5
190-167-15.5	190	167	16	6.5
200-177-15.5	200	177	16	6.5
210-187-15.5	210	187	16	6.5
220-197-15.5	220	197	16	6.5
225-202-15.5	225	202	16	6.5
230-207-15.5	230	207	16	6.5
240-217-15.5	240	217	16	6.5
250-222-17	250	222	17.5	6.5
260-232-17	260	232	17.5	7.5
270-242-17	270	242	17.5	7.5
280-285-17	280	252	17.5	7.5
300-272-17	300	272	17.5	7.5
320-292-17	320	292	17.5	7.5

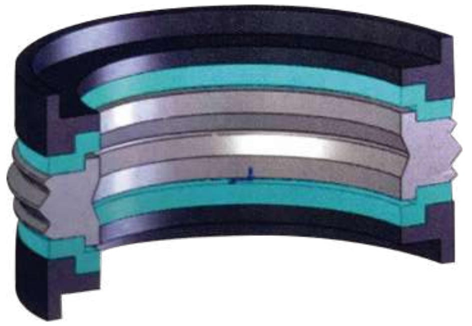
SPGW

活塞组合密封

Piston compact seal

本产品是一种双作用活塞专用组合密封件。有一个弹性密封圈，两个支承环，两个导向环组成。

Description: The ADAS Compact Seal is a double-acting seal and guide element comprising an elastomeric profile seal ring,prevent extrusion into the sealing gap. The function of the guide rings is to guide the piston in the cylinder tube and toabsorb transverse forces.The design provides a compactseal and guide combination for a closed or split installation groove.It's the recommended sealing element for double acting pistons of hydraulic components such as machine tools, truckcranes, forklifts & handling machinery, agriculture equipment and so on.



Advantages:

- Good sealing effect, also suitable for holding cylinders
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Capable of installation in closed grooves for reduced machining costs
- Economic sealing and guiding solution
- Easy installation.

Technical Data

Operating conditions

Pressure: ≤40Mpa

Temperature: -35~+110℃

Speed: Maximum reciprocating speed

Media: Mineral oil-based hydraulic fluids,flame retardant hydraulic fluids

Material

Material: Profile seal:NBR

Back-up Ring: Polyester elastomer

Guide rings: POM

组合元件：

橡胶元件：NBR

档圈：PU复合材料

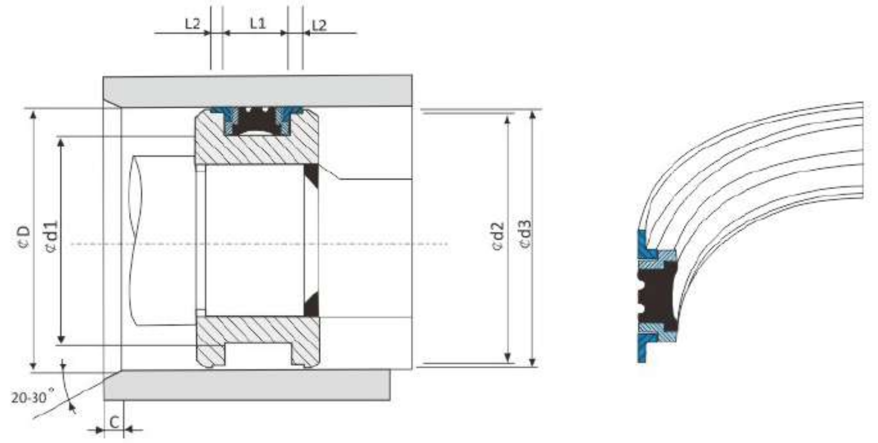
导向环：增强热塑性聚合物

在静止和运动时都能起到良好的密封作用，抗挤出耐冲击

工作压力：≤25Mpa

工作温度：-35～+110℃

运行速度：≤0.5／秒



KDAS

规格及沟槽尺寸 specification & groove size KDAS

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød1 h9	Ød2 h9	L1 +0.2	L2 +0.1	Ød3 h11
KDAS 20 - 11	20	11	17	13.5	2.1	19
KDAS 22 - 13	22	13	19	13.5	2.1	21
KDAS 25 - 15	25	15	21.45	16.4	6.35	23.5
KDAS 25 - 15/1	25	15	21	12	4	23
KDAS 25 - 15/2	25	15	22	12.5	4	24
KDAS 25 - 16	25	16	22	13.5	2.1	24
KDAS 28 - 19	28	19	25	13.5	2.1	27
KDAS 30 - 21	30	21	27	13.5	2.1	29
KDAS 32 - 22	32	22	28.5	16.4	6.35	30.5
KDAS 32 - 22/1	32	22	28	15.5	2.6	31
KDAS 32 - 24	32	24	28	15.5	3.2	31.4
KDAS 35 - 25	35	25	31.4	16.4	6.35	33.5
KDAS 35 - 25/1	35	25	31	15.5	2.6	34
KDAS 40 - 24	40	24	35.4	18.4	6.35	38.5
KDAS 40 - 26	40	26	36	15.5	2.6	39
KDAS 40 - 30	40	30	35.4	16.4	6.35	38.5
KDAS 40 - 30/1	40	30	36	12.5	4	38
KDAS 40 - 30/2	40	30	37	12.5	4	39
KDAS 40 - 32	40	32	36	15.5	3.2	39.4
KDAS 42 - 28	42	28	38	15.5	2.6	41
KDAS 45 - 29	45	29	40.4	18.4	6.35	43.7
KDAS 45 - 31	45	31	41	15.5	2.6	44
KDAS 45 - 35	45	35	40.4	16.4	6.35	43.5
KDAS50 - 34	50	34	45.4	18.4	6.35	48.5
KDAS 50 - 38	50	38	46	20.5	4.2	49.4
KDAS 55 - 39	55	39	50.36	18.4	6.35	53.5
KDAS 55 - 39/1	55	39	51	20.5	3.1	54
KDAS 56 - 40	56	40	52	20.5	3.1	55
KDAS 60 - 44	60	44	55.4	18.4	6.35	58.5
KDAS 60 - 48	60	48	56	20.5	4.2	59.4
KDAS 63 - 47	63	47	58.4	18.4	6.35	61.5
KDAS 63 - 47/1	63	47	59	20.5	3.1	62
KDAS 63 - 47/2	63	47	58.4	19.4	6.35	61.5
KDAS 63 - 51	63	51	59	20.5	4.2	62.5
KDAS 65 - 49	65	49	61	20.5	3.1	64
KDAS 65 - 50	65	50	60.4	18.4	6.35	63.5
KDAS 70 - 50	70	50	64.2	22.4	6.35	68.3
KDAS 70 - 54	70	54	66	20.5	3.1	69
KDAS 70 - 58	70	58	66	20.5	4.2	69.4
KDAS 75 - 55	75	55	69.2	22.4	6.35	73.3
KDAS 75 - 59	75	59	71	20.5	3.1	74
KDAS 80 - 60	80	60	74.15	22.4	6.35	78.3
KDAS 80 - 62	80	62	76	22.5	3.6	79
KDAS 80 - 66	80	66	76	22.5	5.2	79.4
KDAS 85 - 65	85	65	79.15	22.4	6.35	83.3
KDAS 90 - 70	90	70	84.15	22.5	6.35	88.3
KDAS 90 - 72	90	72	86	22.5	3.6	89
KDAS 90 - 76	90	76	86	22.5	5.2	89.4
KDAS 95 - 75	95	75	89.15	22.4	6.35	93.3
KDAS 100 - 75	100	75	93.15	22.4	6.35	98
KDAS 100 - 82	100	82	96	22.5	3.6	99
KDAS 100 - 86	100	86	96	22.5	5.2	99.4

KDAS

规格及沟槽尺寸 specification & groove size KDAS

规格 specification	沟槽尺寸 Grooves dimensions ØD H9	Ød1 h9	Ød2 h9	L1 +0.2	L2 +0.1	Ød3 h11
KDAS 105 - 80	105	80	98.1	22.4	6.35	103
KDAS 110 - 85	110	85	103.1	22.4	6.35	108
KDAS 110 - 92	110	92	106	22.5	3.6	109
KDAS 110 - 96	110	96	106	22.5	5.2	109.4
KDAS 115 - 90	115	90	108.1	22.4	6.35	113
KDAS 115 - 97	115	97	111	22.5	3.6	114
KDAS 120 - 95	120	95	113.1	22.4	6.35	118.1
KDAS 120 - 106	120	106	116	22.5	5.2	119.4
KDAS 125 - 100	125	100	118.1	25.4	6.35	123
KDAS 125 - 103	125	103	121	26.5	5.1	124
KDAS 125 - 108	125	108	121	26.5	7.2	124.4
KDAS 130 - 105	130	105	122.6	25.4	9.5	127.5
KDAS 130 - 105/1	130	105	123.1	25.4	6.35	128
KDAS 130 - 113	130	113	126	26.5	7.2	129.4
KDAS 135 - 110	135	110	127.6	25.4	9.5	132.5
KDAS 135 - 110/1	135	110	128.1	25.4	6.35	133
KDAS 140 - 115	140	115	132.6	25.4	9.5	137.5
KDAS 140 - 115/1	140	115	133	25.4	6.35	138
KDAS 140 - 118	140	118	136	26.5	5.1	139
KDAS 140 - 123	140	123	136	26.5	7.2	139.4
KDAS 145 - 120	145	120	137.6	25.4	9.5	142.5
KDAS 145 - 120/1	145	120	138.3	25.4	6.35	142.95
KDAS 150 - 125	150	125	142.6	25.4	9.5	147.5
KDAS 150 - 125/1	150	125	143	25.4	6.35	148
KDAS 150 - 128	150	128	146	26.5	5.1	149
KDAS 150 - 133	150	133	146	26.5	7.2	149.4
KDAS 155 - 130	155	130	147.6	25.4	9.5	152.5
KDAS 155 - 130/1	155	130	148	25.4	6.35	153
KDAS 160 - 130	160	130	152.6	25.4	9.5	157.5
KDAS 160 - 130/1	160	130	153	25.4	6.35	157.5
KDAS 160 - 135	160	135	152.6	25.4	9.5	157.5
KDAS 160 - 138	160	138	156	26.5	5.1	159
KDAS 160 - 143	160	143	156	26.5	7.2	159.4
KDAS 165 - 140	165	140	157.6	25.4	9.5	162.5
KDAS 170 - 145	170	145	161.7	25.4	12.7	167.1
KDAS 170 - 148	170	148	166	26.5	5.1	169
KDAS 175 - 150	175	150	166.7	25.4	12.7	172.1
KDAS 180 - 150	180	150	172.95	35.4	6.35	177.87
KDAS 180 - 155	180	155	171.7	25.4	12.7	177.1
KDAS 185 - 160	185	160	176.7	25.4	12.7	182.1
KDAS 190 - 165	190	165	181.7	25.4	12.7	187
KDAS 195 - 170	195	170	186.7	25.4	12.7	192
KDAS 200 - 175	200	175	191.6	25.4	12.7	197
KDAS 200 - 175/1	200	175	196	31.5	6.6	199
KDAS 210 - 185	210	185	201.6	25.4	12.7	207
KDAS 220 - 190	220	190	212.7	35.4	6.35	217.9
KDAS 220 - 195	220	195	211.6	25.4	12.7	217
KDAS 230 - 205	230	205	221.6	25.4	12.7	227
KDAS 240 - 215	240	215	231.6	25.4	12.7	237
KDAS 250 - 220	250	220	242.9	35.4	6.35	247.85
KDAS 250 - 225	250	225	241.6	25.4	12.7	247
KDAS 360 - 335	360	335	251.6	25.4	12.7	257

KDAS

活塞组合密封
Piston compact seal

MHM型双向活塞密封，适用于中型液压缸。

Description: The MHM Compact Seal is a double-acting seal and guide element comprising an elastomeric profile seal ring,two back-up rings and two guide rings.

Advantages:
- Good sealing effect,also suitable for holding cylinders
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Capable of installation in closed grooves for reduced machining costs
- Economic sealing and guiding solution
- Easy installation.

Technical Data

Operating conditions

Pressure: ≤40Mpa

Temperature: -35~+110℃

Speed: Maximum reciprocating speed

Media: Mineral oil-based hydraulic fluids,flame retardant hydraulic fluids

Material

Material: Profile seal: NBR

Back-up Ring:Polyester elastomer

Guide rings:POM

密封组由五部分组成：

a）耐磨挡圈：聚甲醛，可在室外使用，共2件

b）垫片：聚酯弹性体共2件

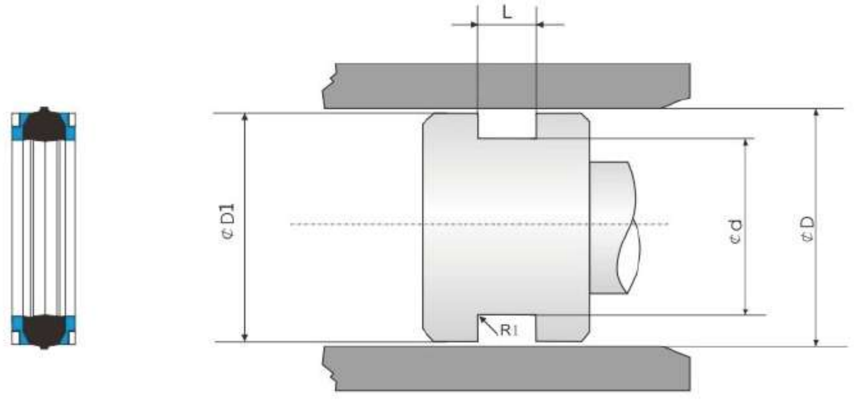
c）密封体：采用优质80度NBR材料

使用条件：

温度：-35~+110℃

压力：≤40Mpa

速度：≤0.5／秒



规格及沟槽尺寸 specification & groove size

MHM

规格	沟槽尺寸 Grooves dimensions				
specification	ØD H9	Ød h9	L	ØD1	R1
60-45-22.5	60	45	22.5	59.8	0.4
70-55-22.5	70	55	22.5	69.8	0.4
74-55-34	74	55	34	73.8	0.4
80-60-34	80	60	34	79.8	0.4
80-65-22.5	80	65	22.5	79.8	0.4
85-65-34	85	65	34	84.8	0.4
90-70-30	90	70	30	89.8	0.4
100-80-30	100	80	30	99.8	0.4
110-90-30	110	90	30	109.8	0.4
110-85-34	110	85	34	109.8	0.4
120-95-36	120	95	36	119.8	0.4
125-100-36	125	100	36	124.8	0.4
140-115-36	140	115	36	139.8	0.4

活塞杆密封

Rod U-seal

本产品是在沟槽中作紧配合安装活塞杆专用的一种唇形密封件，具有第二副唇，可以留一些润滑油，能防止大部分干燥运动和磨损运动的发生。

Description:BS is a lip seal with a secondary sealing lip and tight fit at the outer diameter.Wear and dry run are largely prevented by the additional lubricant retained under the seal by the secondary lip.BS is mainly designed for the sealing of piston rods and plungers in heavy duty applications in mobile and stationary hydraulics.

Advantages:

- Unusually high wear resistance
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Low compression set
- Suitable for hardest working conditions.
- Sufficient lubrication due to pressure medium between the sealing lips
- Increased sealing performance at zero pressure
- Air penetration from outside is largely prevented
- Easy installation

Technical Data

Operating conditions

Pressure:≤40Mpa

Temperature: -35~+110℃

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

使用材料为进口PU

硬度90 -95 Shore A

颜色为墨绿色

由于结构特殊，本密封有时甚至可以替代价格昂贵的串联密封

工作压力：≤40Mpa

工作温度：-35~+110℃

运行速度：≤0.5m／s

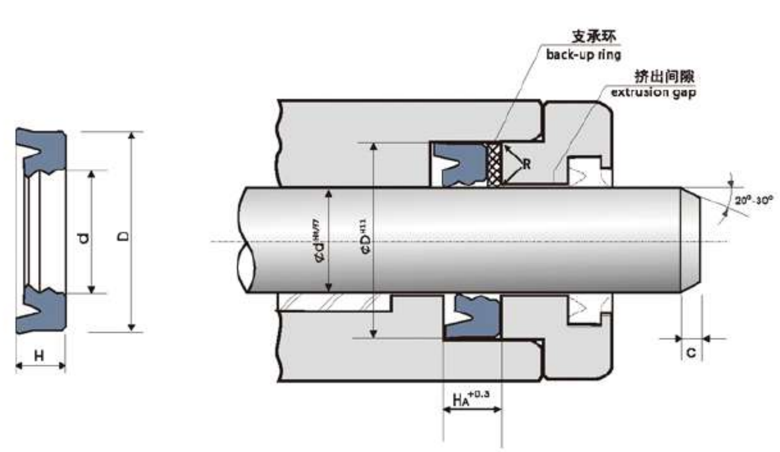
介质：液压油（矿物油基）

Material

Material: PU

Hardness: 90-95 Shore A

Color: Turquoise



规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions Ød H8/f7	ØD H11	HA +0.3
6-12-5	6	12	5.6
6 - 13 - 5	6	13	5.6
8 - 14 - 5	8	14	5.6
8 - 14 - 6	8	14	6.6
8 - 16 - 5.7	8	16	6.3
8 - 16 - 6	8	16	6.6
9 - 16 - 5.7	9	16	6.3
10 - 16 - 4.5	10	16	5.3
10 - 17 - 5.7	10	17	6.3
10 - 18 - 5.7	10	18	6.3
10 - 18 - 6	10	18	6.6
10 - 18 - 8	10	18	9
10 - 20 - 5	10	20	5.6
10 - 20 - 6	10	20	6.6
11.2 - 19.2 - 5	11.2	19.2	5.6
12 - 18 - 6	12	18	6.6
12 - 19 - 5	12	19	5.6
12 - 20 - 5	12	20	5.6
12 - 20 - 5.7	12	20	6.3
12 - 20 - 6	12	20	6.6
12.5 - 22.5 - 8	12.5	22.5	9
12.7 - 19.05 - 4.5	12.7	19.05	5.1
14 - 20 - 5.7	14	20	6.3
14 - 21 - 5	14	21	5.6
14 - 22 - 5	14	22	5.6
14 - 22 - 5.7	14	22	6.3
14 - 24 - 7.3	14	24	8
14 - 24 - 8	14	24	9
15 - 25 - 8	15	25	9
16 - 22 - 5	16	22	5.6
16 - 24 - 5	16	24	5.6
16 - 24 - 5.7	16	24	6.3
16 - 24 - 5.8	16	24	6.4
16 - 26 - 7.3	16	26	8
18 - 24 - 5	18	24	5.6
18 - 24 - 8	18	24	9
18 - 25 - 5	18	25	5.6
18 - 25 - 8	18	25	9
18 - 26 - 5	18	26	5.6
18 - 26 - 5.7	18	26	6.3
18 - 28 - 7.3	18	28	8
18 - 28 - 8	18	28	9
19 - 28 - 7	19	28	7.7
20 - 26 - 5	20	26	5.6
20 - 28 - 5	20	28	5.6
20 - 28 - 5.7	20	28	6.3
20 - 28 - 6	20	28	6.6
20 - 28.3 - 5	20	28.3	5.6
20 - 30 - 6	20	30	6.6
20 - 30 - 7.3	20	30	8
20 - 30 - 8	20	30	9

规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{H8/f7}$	$ØD^{H11}$	$HA^{+0.3}$
20 - 30 - 10	20	30	11
22 - 28 - 6	22	28	6.6
22 - 29 - 5	22	29	5.6
22 - 30 - 5	22	30	5.6
22 - 30 - 5.7	22	30	6.3
22 - 30 - 6	22	30	6.6
22 - 30 - 7	22	30	7.7
22 - 30 - 8	22	30	9
22 - 32 - 7.3	22	32	8
22 - 32 - 8	22	32	9
22.4 - 30 - 5	22.4	30	5.6
25 - 31 - 8	25	31	9
25 - 32 - 7	25	32	8
25 - 33 - 5	25	33	5.6
25 - 33 - 5.7	25	33	6.3
25 - 33 - 6	25	33	6.6
25 - 33 - 6.5	25	33	7.3
25 - 33 - 7	25	33	8
25 - 33 - 8	25	33	9
25 - 35 - 6	25	35	6.6
25 - 35 - 7	25	35	8
25 - 35 - 7.3	25	35	8
25 - 35 - 8	25	35	9
25 - 45 - 10	25	45	11
25.4 - 31.75 - 6.3	25.4	31.75	7
26 - 36 - 10	26	36	11
28 - 34 - 8	28	34	9
28 - 35 - 5	28	35	5.6
28 - 35.5 - 5	28	35.5	5.6
28 - 35.5 - 5.7	28	35.5	6.3
28 - 36 - 5.7	28	36	6.3
28 - 36 - 6	28	36	6.6
28 - 36 - 7	28	36	8
28 - 36 - 8	28	36	9
28 - 36 - 10	28	36	11
28 - 38 - 5.7	28	38	6.3
28 - 38 - 7.3	28	38	8
28 - 40 - 8	28	40	9
28 - 43 - 10	28	43	11
30 - 37 - 6	30	37	6.6
30 - 38 - 5.7	30	38	6.3
30 - 38 - 6	30	38	6.6
30 - 38 - 6.3	30	38	7
30 - 40 - 6	30	40	6.6
30 - 40 - 7	30	40	8
30 - 40 - 7.3	30	40	8
30 - 40 - 10	30	40	11
30 - 43 - 10	30	43	11
30 - 45 - 10	30	45	11
30 - 50 - 9	30	50	10
31 - 40 - 8	31	40	9

规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{H8/f7}$	$ØD^{H11}$	$HA^{+0.3}$
31.75 - 38.1 - 4.826	31.75	38.1	5.6
31.75 - 41.276 - 7.92	31.75	41.276	9
31.75 - 41.28 - 6.35	31.75	41.28	7
32 - 42 - 6	32	42	6.6
32 - 42 - 7	32	42	8
32 - 42 - 7.3	32	42	8
32 - 42 - 10	32	42	11
32 - 45 - 10	32	45	11
32 - 47 - 10	32	47	11
32 - 48 - 10	32	48	11
34 - 45 - 6	34	45	6.6
35 - 42 - 6	35	42	6.6
35 - 43 - 4.7	35	43	5.3
35 - 43 - 5.7	35	43	6.3
35 - 43 - 7	35	43	8
35 - 45 - 6	35	45	6.6
35 - 45 - 7	35	45	8
35 - 45 - 7.3	35	45	8
35 - 45 - 7.5	35	45	8.2
35 - 45 - 10	35	45	11
35 - 50 - 10	35	50	11
35.5 - 50.5 - 10	35.5	50.5	11
36 - 43 - 7.3	36	43	8
36 - 44 - 5.7	36	44	6.3
36 - 46 - 7.3	36	46	8
36 - 46 - 10	35	46	11
36 - 51 - 10	36	51	11
37 - 47 - 7.3	37	47	8
37 - 47 - 8	37	47	9
37 - 47 - 10	37	47	11
38 - 48 - 6	38	48	6.6
38.1 - 47.36 - 6.35	38.1	47.63	7
40 - 48 - 6	40	48	6.6
40 - 48 - 8	40	48	9
40 - 48 - 10	40	48	11
40 - 50 - 6	40	50	6.6
40 - 50 - 7	40	50	8
40 - 50 - 7.3	40	50	8
40 - 50 - 8	40	50	9
40 - 50 - 10	40	50	11
40 - 52 - 8	40	52	9
40 - 55 - 9	40	55	10
40 - 55 - 10	40	55	11
40 - 55 - 11.4	40	55	12.5
43 - 53 - 7.3	43	53	8
45 - 53 - 5.6	45	53	6.3
45 - 53 - 5.8	45	53	6.4
45 - 53 - 6	45	53	6.6
45 - 53 - 8	45	53	9
45 - 55 - 5.8	45	55	6.4
45 - 55 - 6	45	55	6.6

规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions Ød H8/f7	ØD H11	HA +0.3
45 - 55 - 7	45	55	8
45 - 55 - 7.3	45	55	8
45 - 55 - 8	45	55	9
45 - 55 - 10	45	55	11
45 - 56 - 7	45	56	8
45 - 57 - 9.5	45	57	10.6
45 - 57 - 9.5	45	57	10.5
45 - 60 - 9	45	60	10
45 - 60 - 10	45	60	11
45 - 60 - 11.4	45	60	12.4
45 - 60 - 14	45	60	15
46 - 56 - 10	46	56	11
48 - 58 - 6	48	58	6.6
50 - 58 - 7.3	50	58	8
50 - 58 - 8	50	58	9
50 - 58 - 10	50	58	11
50 - 60 - 6	50	60	6.6
50 - 60 - 7	50	60	8
50 - 60 - 7.3	50	60	8
50 - 60 - 10	50	60	11
50 - 63 - 6	50	63	6.6
50 - 63 - 8	50	63	9
50 - 63 - 10	50	63	11
50 - 65 - 9	50	65	10
50 - 65 - 10	50	65	11
50 - 65 - 11.4	50	65	12.5
50 - 65 - 11.5	50	65	12.5
50 - 70 - 12	50	70	13
52 - 62 - 10	52	62	11
53 - 63 - 6	53	63	6.6
55 - 63 - 10	55	63	11
55 - 65 - 6	55	65	6.6
55 - 65 - 7.3	55	65	8
55 - 65 - 8	55	65	9
55 - 65 - 10	55	65	11
55 - 65 - 11.4	55	65	12.5
55 - 65 - 11.8	55	65	12.8
55 - 65 - 12	55	65	13
55 - 66 - 6	55	66	6.6
55 - 67 - 10	55	67	11
55 - 68 - 10	55	68	11
55 - 70 - 10	55	70	11
55 - 70 - 11.4	55	70	12.5
55 - 70 - 11.8	55	70	12.8
55 - 70 - 12	55	70	13
55 - 75 - 12	55	75	13
56 - 66 - 6	56	66	6.6
56 - 66 - 6.5	56	66	7.3
56 - 66 - 7.3	56	66	8
56 - 71 - 11.4	56	71	12.5
56 - 76 - 12	56	76	13

规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions Ød H8/f7	ØD H11	HA +0.3
58 - 68 - 7.3	58	68	8
60 - 68 - 13	60	68	14
60 - 70 - 6	60	70	6.6
60 - 70 - 7.3	60	70	8
60 - 70 - 7.5	60	70	8.5
60 - 70 - 10	60	70	11
60 - 70 - 11.8	60	70	12.8
60 - 71 - 7	60	71	8
60 - 73 - 10	60	73	11
60 - 75 - 9	60	75	10
60 - 75 - 10	60	75	11
60 - 75 - 11.4	60	75	12.5
60 - 75 - 11.8	60	75	12.8
60 - 75 - 12	60	75	13
60 - 75 - 13	60	75	14
60 - 80 - 12	60	80	13
61 - 71 - 6	61	71	6.6
63 - 71 - 8	63	71	9
63 - 73 - 6	63	73	6.6
63 - 73 - 11.4	63	73	12.5
63 - 73 - 11.8	63	73	12.8
63 - 73 - 12	63	73	13
63 - 73 - 13	63	73	14
63 - 75 - 11.4	63	75	12.5
63 - 78 - 10	63	78	11
63 - 78 - 11.4	63	78	12.5
63.5 - 76.2 - 9.53	63.5	76.2	10.5
64 - 72 - 9.1	64	72	10
65 - 73 - 11.5	65	73	12.5
65 - 75 - 6	65	75	6.6
65 - 75 - 7	65	75	8
65 - 75 - 11.8	65	75	12.8
65 - 75 - 12	65	75	13
65 - 78 - 10	65	78	11
65 - 80 - 9	65	80	10
65 - 80 - 11.8	65	80	12.8
65 - 85 - 11.4	65	85	12.5
65 - 85 - 12	65	85	13
67 - 77 - 6	67	77	6.6
68 - 78 - 7.3	68	78	8
68 - 78 - 12	68	78	13
70 - 78 - 8	70	78	9
70 - 80 - 6	70	80	6.6
70 - 80 - 7	70	80	8
70 - 80 - 10	70	80	11
70 - 80 - 11.5	70	80	12.5
70 - 80 - 12	70	80	13
70 - 83 - 10	70	83	11
70 - 85 - 9	70	85	10
70 - 85 - 10	70	85	11
70 - 85 - 11.4	70	85	12.5

规格及沟槽尺寸 specification & groove size

BS UR

规格	沟槽尺寸 Grooves dimensions		
specification	Ød$^{H8/f7}$	ØD^{H11}	HA$^{+0.3}$
70 - 85 - 12.5	70	85	13.5
70 - 90 - 12	70	90	13
70 - 90 - 14	70	90	15
75 - 85 - 6	75	85	6.6
75 - 85 - 7	75	85	8
75 - 85 - 11.5	75	85	12.5
75 - 88 - 10	75	88	11
75 - 90 - 9	75	90	10
75 - 90 - 9.5	75	90	10.5
75 - 90 - 10	75	90	11
75 - 90 - 11.4	75	90	12.4
75 - 90 - 12	75	90	13
75 - 95 - 12	75	95	13
77 - 87 - 12	77	87	13
78 - 86 - 11.5	78	86	12.5
80 - 90 - 6	80	90	6.6
80 - 90 - 7	80	90	8
80 - 90 - 8	80	90	9
80 - 90 - 10	80	90	11
80 - 90 - 11.8	80	90	12.8
80 - 90 - 12	80	90	13
80 - 93 - 10	80	93	11
80 - 95 - 9	80	95	10
80 - 95 - 10	80	95	11
80 - 95 - 11.4	80	95	12.5
80 - 95 - 11.8	80	95	12.8
80 - 95 - 12	80	95	13
80 - 100 - 12	80	100	13
85 - 93 - 11.5	85	93	12.5
85 - 95 - 6	85	95	6.6
85 - 95 - 9	85	95	10
85 - 100 - 9	85	100	10
85 - 100 - 10	85	100	11
85 - 100 - 11.8	85	100	12.8
85 - 100 - 12	85	100	13
85 - 105 - 12	85	105	13
90 - 98 - 11.5	90	98	12.5
90 - 100 - 6.5	90	100	7.3
90 - 100 - 8	90	100	9
90 - 100 - 10.5	90	100	11.5
90 - 100 - 12	90	100	13
90 - 105 - 9	90	105	10
90 - 105 - 10	90	105	11
90 - 105 - 11.4	90	105	12.5
90 - 105 - 11.8	90	105	12.8
90 - 110 - 12	90	110	13
90 - 110 - 15	90	110	16
92 - 107 - 11.4	92	107	12.5
92 - 107 - 11.5	92	107	12.5
95 - 105 - 11.4	95	105	12.5
95 - 110 - 9	95	110	10

规格及沟槽尺寸 specification & groove size

BS UR

规格	沟槽尺寸 Grooves dimensions		
specification	Ød$^{H8/f7}$	ØD^{H11}	HA$^{+0.3}$
95 - 110 - 10	95	110	11
95 - 115 - 12	95	115	13
97 - 105 - 13	97	105	14
100 - 108 - 12	100	108	13
100 - 110 - 9	100	110	10
100 - 110 - 10	100	110	11
100 - 110 - 11.4	100	110	12.5
100 - 115 - 8	100	115	9
100 - 115 - 9	100	115	10
100 - 115 - 10	100	115	11
100 - 115 - 11.4	100	115	12.5
100 - 115 - 12	100	115	13
100 - 120 - 12	100	120	13
100 - 120 - 14.5	100	120	16
100 - 125 - 15	100	125	16.5
100 - 130 - 15	100	130	16
105 - 113 - 11.5	105	113	12.5
105 - 120 - 9	105	120	10
105 - 120 - 10	105	120	11
105 - 125 - 12	105	125	13
105 - 125 - 15	105	125	16
105 - 125 - 14.5	105	125	16
105 - 125 - 16	105	125	17.5
107 - 115 - 11.5	107	115	12.5
110 - 118 - 10.5	110	118	11.5
110 - 118 - 11.5	110	118	12.5
110 - 120 - 11.5	110	120	12.5
110 - 125 - 9	110	125	10
110 - 125 - 9.6	110	125	10.6
110 - 125 - 10	110	125	11
110 - 125 - 11	110	125	12
110 - 125 - 11.4	110	125	12.4
110 - 125 - 12	110	125	13
110 - 125 - 14.5	110	125	16
110 - 130 - 10	110	130	11
110 - 130 - 12	110	130	13
110 - 130 - 14.5	110	130	16
112 - 125 - 9	112	125	10
115 - 130 - 9	115	130	10
115 - 130 - 10	115	130	11
115 - 130 - 12	115	130	13
115 - 135 - 12	115	135	13
115 - 135 - 16	115	135	17.5
118 - 126 - 13	118	126	14
120 - 135 - 9	120	135	10
120 - 130 - 11.4	120	130	12.5
120 - 130 - 14	120	130	15.5
120 - 130 - 17	120	130	19
120 - 135 - 9	120	135	10
120 - 135 - 14.5	120	135	16
120 - 140 - 12	120	140	13

规格及沟槽尺寸 specification & groove size

BS UR

规格 specification	沟槽尺寸 Grooves dimensions		
	Ød H8/f7	ØD H11	HA +0.3
120 – 140 – 14.5	120	140	16
120 – 140 – 15	120	140	16
125 – 133 – 11.5	125	133	12.5
125 – 135 – 9	125	135	10
125 – 135 – 11.4	125	135	12.5
125 – 140 – 9	125	140	10
125 – 145 – 12	125	145	13
125 – 145 – 14.5	125	145	16
125 – 145 – 15	125	145	16
127 – 142.88 – 9.53	127	142.88	10.3
130 – 145 – 9	130	145	10
130 – 145 – 12	130	145	13
130 – 145 – 15	130	145	16
130 – 150 – 14.5	130	150	16
130 – 150 – 15	130	150	16
135 – 143 – 10.5	135	143	11.5
135 – 150 – 9	135	150	10
140 – 155 – 9	140	155	10
140 – 155 – 9.6	140	155	10.6
140 – 160 – 12	140	160	13
140 – 160 – 14.5	140	160	16
145 – 155 – 11.4	145	155	12.5
145 – 165 – 14.5	145	165	16
150 – 160 – 9	150	160	10
150 – 160 – 11.4	150	160	12.5
150 – 165 – 9	150	165	10
150 – 170 – 14.5	150	170	16
150 – 170 – 15	150	170	16
152.4 – 171.45 – 12.7	152.4	171.45	13.49
160 – 170 – 10.5	160	170	11.5
160 – 175 – 9	160	175	10
160 – 175 – 12	160	175	13
160 – 180 – 12	160	180	13
160 – 180 – 14.5	160	180	16
160 – 180 – 15	160	180	16
160 – 180 – 18.5	160	180	20
160 – 185 – 18.2	160	185	20
165.1 – 184.15 – 12.7	165.1	184.15	13.49
167 – 175 – 11.5	167	175	12.5
170 – 190 – 14.5	170	190	16
170 – 200 – 18	170	200	19
171 – 179 – 13	17	179	14
175 – 185 – 11.4	1751	185	12.5
176 – 186 – 12	176	186	13
177.7 – 198 – 9.73	177.7	198	10.5
177.8 – 195.28 – 9.5	177.8	195.28	10.5
177.8 – 197 – 9.5	177.8	197	10.5
180 – 188 – 11.5	180	188	12.5
180 – 190 – 9	180	190	10
180 – 190 – 11.4	180	190	12.5
180 – 197 – 9.5	180	197	10.5

规格及沟槽尺寸 specification & groove size

BS UR

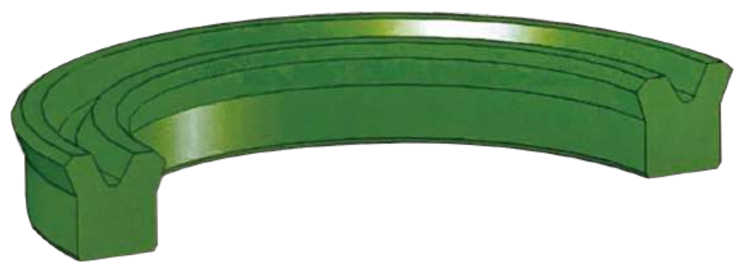
规格 specification	沟槽尺寸 Grooves dimensions		
	Ød H8/f7	ØD H11	HA +0.3
180 – 200 – 12	180	200	13
180 – 200 – 14.5	180	200	16
180 – 200 – 15	180	200	16
180 – 205 – 18.2	180	205	20
190 – 210 – 12	190	210	13
190 – 210 – 16	190	210	17.5
193 – 201 – 11.5	193	201	12.5
200 – 211 – 12	200	211	13
200 – 220 – 12	200	220	13
200 – 220 – 14.5	200	220	16
200 – 222 – 12.5	200	222	13.5
200 – 225 – 18.2	200	225	20
200 – 230 – 18	200	230	19
209.6 – 226.8 – 9.6	209.6	226.8	10.5
210 – 230 – 12	210	230	13
210 – 235 – 18	210	235	20
210 – 240 – 18	210	240	20
220 – 240 – 16	220	240	17.5
220 – 245 – 16	220	245	17.5
220 – 250 – 22.7	220	250	25
225 – 250 – 18	225	250	19
228.6 – 245.6 – 9	228.6	245.6	10
230 – 250 – 17	230	250	19
230 – 260 – 22.7	230	260	25
250 – 280 – 22.7	250	280	25
266.7 – 283.8 – 9.6	266.7	283.8	10.5
266.7 – 284 – 9.73	266.7	284	11.3
280 – 300 – 15	280	300	16
280 – 310 – 18	280	310	20
300 – 330 – 18	300	330	20
450 – 474 – 24	450	474	26

活塞杆密封

Rod U-seal

本产品是在沟槽中作紧配合安装活塞杆专用的一种唇形密封件。

Description:UNR/UHR Rod seal is a lip-seal which fits tightly in the groove.



Advantages:
- High resistance against extrusion
- Insensibility against shock loads and pressure peaks
- Low compression set
- Easy installation

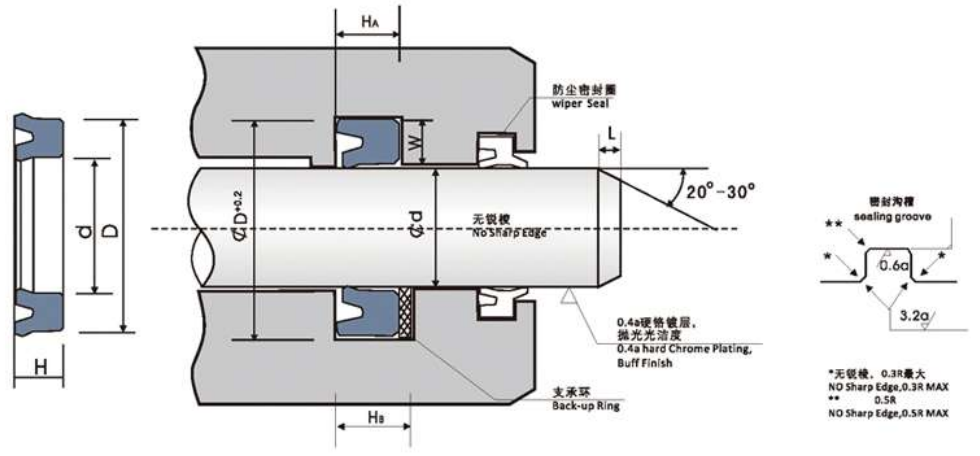
Technical Data

Operating conditions
Pressure: ≤40Mpa
Temperature: -35~+110℃
Speed:≤0.5m/s
Media:Hydraulic oils (mineral oil-based)

Material

Material: PU
Hardness: 90-95 Shore A
Color: Green/Blue

使用材料为进口PU
硬度90--95Shore A
颜色为绿色、兰色
耐磨性能好，耐冲击，压缩变形，较易安装
工作压力：≤40Mpa
工作温度：-35~+110℃
运行速度：≤0.5m / s
介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

UNR

规格	沟槽尺寸 Grooves dimensions						
specification	Ød	$ØD^{+0.2}$	H	HA	HB	L	W
80-90-12	80	90	12	13	16	3	5
160-185-16	160	185	16	17	20	5	12.5
170-195-16	170	195	16	17	20	5	12.5
180-205-16	180	205	16	17	20	5	12.5
190-215-16	190	215	16	17	20	5	12.5
190-220-20	190	220	20	21	24	5	15
200-225-16	200	225	16	17	20	5	12.5
212-237-19	212	237	19	20	23	5	12.5
220-245-18	220	245	18	19	22	5	12.5
224-249-19	224	249	19	20	23	5	12.5
230-254-19	230	254	19	20	23	5	12
230-255-19	230	255	19	20	23	5	12.5
236-261-19	236	261	19	20	23	5	12.5
250-275-19	250	275	19	20	23	5	12.5
265-295-19	265	295	19	20	24	6	15
270-300-19	270	300	19	20	24	6	15
280-310-19	280	310	19	20	24	6	15
400-430-19	400	430	19	20	24	6	15
420-450-19	420	450	19	20	24	6	15

规格及沟槽尺寸 specification & groove size

UHR

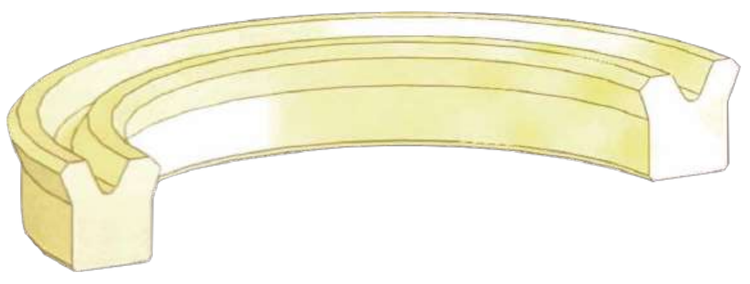
规格 specification	沟槽尺寸 Grooves dimensions						
	Ød	ØD $^{+0.2}$	H	HA	HB	L	W
18 - 26 - 5.2	18	26	5.2	5.7	7.2	2	4
20 - 28 - 5.2	20	28	5.2	5.7	7.2	2	4
22.4 - 30 - 5.2	22.4	30	5.2	5.7	7.2	2	3.8
25 - 33 - 5.2	25	33	5.2	5.7	7.2	2	4
27 - 41 - 7.5	27	41	7.5	8	10	2	7
28 - 35.5 - 5.2	28	35.5	5.2	5.7	7.2	2	3.75
30 - 40 - 6.5	30	40	6.5	7	9	2	5
35.5 - 45 - 6.5	35.5	45	6.5	7	9	2	4.75
40 - 50 - 6.5	40	50	6.5	7	9	3	5
45 - 55 - 6.5	45	55	6.5	7	9	3	5
45 - 56 - 7.5	45	56	7.5	8	10	3	5.5
50 - 60 - 6.5	50	60	6.5	7	9	3	5
55 - 65 - 6.5	55	65	6.5	7	9	3	5
56 - 66 - 6.5	56	66	6.5	7	9	3	5
60 - 70 - 6.5	60	70	6.5	7	9	3	5
63 - 73 - 6.5	63	73	6.5	7	9	3	5
65 - 75 - 6.5	65	75	6.5	7	9	3	5
67 - 77 - 6.5	67	77	6.5	7	9	3	5
70 - 80 - 6.5	70	80	6.5	7	9	3	5
71 - 80 - 6.5	71	80	6.5	7	9	3	4.5
75 - 85 - 6.5	75	85	6.5	7	9	3	5
80 - 90 - 6.5	80	90	6.5	7	9	3	5
85 - 100 - 9.5	85	100	9.5	10	13	3	7.5
90 - 105 - 9.5	90	105	9.5	10	13	3	7.5
100 - 115 - 9.5	100	115	9.5	10	13	3	7.5
112 - 125 - 9	112	125	9	9.5	12.5	3	6.5
125 - 140 - 9.5	125	140	9.5	10	13	3	7.5
140 - 155 - 9.5	140	155	9.5	10	13	3	7.5
160 - 175 - 9.5	160	175	9.5	10	13	3	7.5
180 - 200 - 12.5	180	200	12.5	13	16	4	10

活塞杆密封

Rod U-seal

本产品是在沟槽中作紧配合安装活塞杆专用的一种唇形密封件。

Description: IDI Rod seal is a lip-seal which fits tightly in the groove.



Advantages:

- High resistance against extrusion
- Insensibility against shock loads and pressurepeaks
- Low compression set
- Easy installation

Technical Data

Operating conditions

Pressure: ≤40Mpa

Temperature: -35~+110℃

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

Material

Material: PU

Hardness: 90-95 Shore A

Color: Light Yellow/Natural

使用材料为进口PU

硬度90--95Shore A

颜色为淡黄色、本色两种

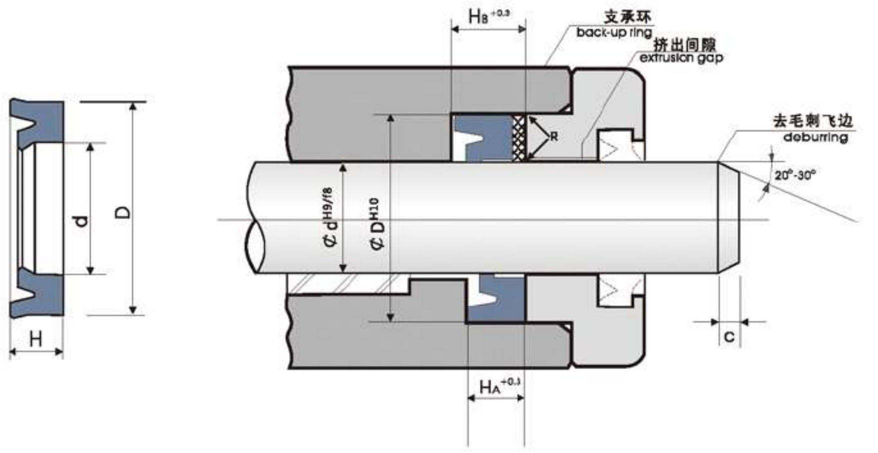
耐磨性能好，耐冲击，压缩变形，较易安装

工作压力：≤40Mpa

工作温度：-35～+100℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions Ød $^{H9/f8}$	ØD ^{H10}	HA $^{+0.3}$	HB $^{+0.3}$	C
5.8 - 12 - 5.2	5.8	12	6	8	3.5
14 - 22 - 6	14	22	7	9	3.5
14 - 22 - 7	14	22	8	10	3.5
16 - 26 - 6	16	26	7	9	3.5
19 - 27 - 6	19	27	7	9	3.5
20 - 30 - 6	20	30	7	9	3.5
20 - 30 - 7	20	30	8	10	3.5
20 - 30 - 8	20	30	9	11	3.5
20 - 33 - 8	20	33	9	11	3.5
20 - 33 - 10	20	33	11	13	3.5
22 - 35 - 10	22	35	11	13	3.5
22.4 - 32.4 - 6	22.4	32.4	7	9	3.5
22.4 - 32.4 - 8	22.4	32.4	9	11	3.5
22.4 - 35.4 - 8	22.4	35.4	9	11	3.5
22.4 - 35.4 - 10	22.4	35.4	11	13	3.5
25 - 33 - 5.7	25	33	6.5	8.5	3.5
25 - 35 - 6	25	35	7	9	3.5
25 - 35 - 8	25	35	9	11	3.5
25 - 36 - 6	25	36	7	9	3.5
25 - 38 - 8	25	38	9	11	3.5
25 - 38 - 10	25	38	11	13	3.5
25 - 40 - 9	25	40	10	12	3.5
25 - 40 - 10	25	40	11	13	4
27 - 40 - 10	27	40	11	14	4
28 - 38 - 6	28	38	7	10	4
28 - 38 - 8	28	38	9	12	4
28 - 40 - 8	28	41	9	12	4
28 - 41 - 8	28	41	11	14	4
28 - 43 - 9	28	43	10	13	4
28 - 43 - 10	28	43	11	14	4
30 - 40 - 6	30	40	7	10	4
30 - 40 - 7	30	40	8	11	4
30 - 40 - 8	30	40	9	12	4
30 - 43 - 10	30	43	11	14	4
30 - 45 - 9	30	45	10	13	4
30 - 45 - 10	30	45	11	14	4
30 - 50 - 9	30	50	10	13	4
31.5 - 41.5 - 8	31.5	41.5	9	12	4
31.5 - 44.5 - 8	31.5	44.5	9	12	4
31.5 - 44.5 - 10	31.5	44.5	11	14	4
31.5 - 46.5 - 9	31.5	46.5	10	13	4
31.5 - 46.5 - 10	31.5	46.5	11	14	4
32 - 42 - 6	32	42	7	10	4
32 - 48 - 10	32	48	11	14	4
34 - 50 - 12	34	50	13	16	4
35 - 43 - 6.3	35	43	7	10	4
35 - 45 - 6	35	45	7	10	4
35 - 45 - 7	35	45	8	10	4
35 - 45 - 8	35	45	9	11	4
35 - 47 - 6	35	47	7	10	4

规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions Ød $^{H9/f8}$	ØD ^{H10}	HA $^{+0.3}$	HB $^{+0.3}$	C
35 - 50 - 9	35	50	10	13	4
35 - 50 - 10	35	50	11	14	4
35 - 50 - 12	35	50	13	16	4
35.5 - 45.5 - 8	35.5	45.5	9	11	4
35.5 - 50.5 - 9	35.5	50.5	10	13	4
35.5 - 50.5 - 10	35.5	50.5	11	14	4
35.5 - 51.5 - 10	35.5	51.5	11	14	4
35.5 - 51.5 - 12	35.5	51.5	13	16	4
40 - 48 - 10	40	48	11	14	4
40 - 50 - 6	40	50	7	10	4
40 - 50 - 7	40	50	8	11	4
40 - 50 - 8	40	50	9	12	4
40 - 55 - 9	40	55	10	13	4
40 - 55 - 10	40	55	11	14	4
40 - 56 - 10	40	56	11	14	4
40 - 56 - 12	40	56	13	16	4
45 - 53 - 8	45	53	9	11	4
45 - 55 - 6	45	55	7	10	4
45 - 55 - 7	45	55	8	11	4
45 - 55 - 8	45	55	9	11	4
45 - 60 - 9	45	60	10	13	4
45 - 60 - 10	45	60	11	14	4
45 - 61 - 10	45	61	11	14	4
45 - 61 - 12	45	61	13	16	4
45 - 65 - 10	45	65	11	14	4
45 - 65 - 12	45	65	13	16	4
47 - 63 - 12	47	63	13	16	4
50 - 60 - 6	50	60	7	10	4
50 - 60 - 7	50	60	8	10	4
50 - 60 - 8	50	60	9	11	4
50 - 63 - 10	50	63	11	14	4
50 - 65 - 9	50	65	10	13	4
50 - 65 - 10	50	65	11	14	4
50 - 66 - 10	50	66	11	14	4
50 - 66 - 12	50	66	13	16	4
50 - 70 - 12	50	70	13	16	4
51 - 66.8 - 10	51	66.8	11	14	4
53 - 63 - 6	53	63	7	10	4
53 - 69 - 12	53	69	13	16	4
55 - 65 - 8	55	65	9	11	4
55 - 68 - 10	55	68	11	14	4
55 - 70 - 9	55	70	10	13	4
55 - 70 - 10	55	70	11	14	4
55 - 71 - 10	55	71	11	14	4
55 - 71 - 12	55	71	13	16	4
55 - 75 - 12	55	75	13	16	4
56 - 66 - 8	56	66	9	11	4
56 - 71 - 9	56	71	10	13	4
56 - 71 - 10	56	71	11	14	4
56 - 72 - 10	56	72	11	14	4

规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$	HB$^{+0.3}$	C
56 - 72 - 12	56	72	13	16	4
56 - 76 - 12	56	76	13	16	4
57.15 - 73.03 - 9	57.15	73.03	10	13	4
60 - 70 - 6	60	70	7	10	4
60 - 70 - 8	60	70	9	11	4
60 - 73 - 10	60	73	11	14	4
60 - 75 - 9	60	75	10	13	4
60 - 75 - 10	60	75	11	14	4
60 - 75 - 12	60	75	13	16	4
60 - 76 - 10	60	76	11	14	4
60 - 76 - 12	60	76	13	16	4
60 - 80 - 12	60	80	13	16	4
63 - 73 - 8	63	73	9	11	4
63 - 73 - 10	63	73	11	14	4
63 - 78 - 9	63	78	10	13	4
63 - 78 - 10	63	78	11	14	4
63 - 79 - 10	63	79	11	14	4
63 - 79 - 12	63	79	13	16	4
63 - 83 - 12	63	83	13	16	4
64 - 80 - 12	64	80	13	16	4
65 - 75 - 8	65	75	9	11	5
65 - 78 - 10	65	78	11	14	5
65 - 80 - 9	65	80	10	13	5
65 - 80 - 10	65	80	11	14	5
65 - 80 - 12	65	80	13	16	5
65 - 85 - 12	65	85	13	16	5
67 - 82 - 9	67	82	10	13	5
67 - 87 - 15	67	87	16	19	5
70 - 80 - 6	70	80	7	10	5
70 - 80 - 8	70	80	9	11	5
70 - 83 - 10	70	83	11	14	5
70 - 85 - 9	70	85	10	13	5
70 - 85 - 10	70	85	11	12	5
70 - 85 - 12	70	85	13	16	5
70 - 90 - 12	70	90	13	16	5
70 - 90 - 15	70	90	16	19	5
71 - 81 - 8	71	81	9	11	5
71 - 86 - 9	71	86	10	13	5
71 - 86 - 10	71	86	11	14	5
71 - 91 - 12	71	91	13	16	5
71 - 91 - 15	71	91	16	19	5
72 - 87 - 9	72	87	10	13	5
72 - 88 - 9	72	88	10	13	5
73 - 88 - 13.5	73	88	14.5	17.5	5
75 - 85 - 8	75	85	9	11	5
75 - 88 - 10	75	88	11	14	5
75 - 90 - 9	75	90	10	13	5
75 - 90 - 10	75	90	11	14	5
75 - 95 - 12	75	95	13	16	5
75 - 95 - 15	75	95	16	19	5

规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$	HB$^{+0.3}$	C
80 - 90 - 6	80	90	7	10	5
80 - 90 - 8	80	90	9	11	5
80 - 90 - 12	80	90	13	16	5
80 - 92 - 15	80	92	16	19	5
80 - 93 - 10	80	93	11	14	5
80 - 95 - 9	80	95	10	13	5
80 - 95 - 10	80	95	11	14	5
80 - 100 - 12	80	100	13	16	5
80 - 100 - 15	80	100	16	19	5
83 - 98 - 13	83	98	14	17	5
85 - 100 - 9	85	100	10	13	5
85 - 100 - 10	85	100	11	14	5
85 - 105 - 12	85	105	13	16	5
85 - 105 - 15	85	105	16	19	5
90 - 100 - 4.3	90	100	5	7	5
90 - 105 - 9	90	105	10	13	5
90 - 105 - 10	90	105	11	14	5
90 - 110 - 12	90	110	13	16	5
90 - 110 - 15	90	110	16	19	5
90 - 110 - 17	90	110	18	21	5
95 - 110 - 9	95	110	10	13	5
95 - 110 - 10	95	110	11	14	5
95 - 115 - 12	95	115	13	16	5
95 - 115 - 15	95	115	16	19	5
97 - 112 - 9	97	112	10	13	5
98 - 113 - 9	98	113	10	13	5
100 - 115 - 9	100	115	10	13	5
100 - 115 - 10	100	115	11	14	5
100 - 120 - 12	100	120	13	16	5
100 - 120 - 15	100	120	16	19	5
105 - 120 - 10	105	120	11	14	5
105 - 125 - 15	105	125	16	19	5
105 - 125 - 16	105	125	17	20	5
106 - 121 - 10	106	121	11	14	5
106 - 126 - 15	106	126	16	19	5
106 - 126 - 16	106	126	17	20	5
110 - 125 - 10	110	125	11	14	5
110 - 130 - 12	110	130	13	16	5
110 - 130 - 15	110	130	16	19	5
110 - 130 - 16	110	130	17	20	5
115 - 130 - 9	115	130	10	13	5
118 - 133 - 9	118	133	10	13	5
120 - 135 - 10	120	135	11	14	5
120 - 140 - 15	120	140	16	19	5
120 - 140 - 16	120	140	17	20	5
125 - 140 - 10	125	140	11	14	6.5
125 - 145 - 12	125	145	13	16	6.5
125 - 145 - 16	125	145	17	20	6.5
125 - 150 - 19	125	150	20	23	6.5
125 - 150 - 20	125	150	21	24	6.5

规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{H9/f8}$	$ØD^{H10}$	$HA^{+0.3}$	$HB^{+0.3}$	C
130－145－10	130	145	11	14	6
130－150－10	130	150	11	14	6.5
130－150－12	130	150	13	16	6.5
130－150－16	130	150	17	20	6.5
132－157－20	132	157	21	24	6.5
135－160－19	135	160	20	23	6.5
135－160－20	135	160	21	24	6.5
140－150－6.3	140	150	7.3	10.3	6.5
140－150－10	140	150	11	14	6.5
140－155－10	140	155	11	14	6.5
140－160－12	140	160	13	16	6.5
140－160－16	140	160	17	20	6.5
140－165－19	140	165	20	23	6.5
140－165－20	140	165	21	24	6.5
145－170－19	145	170	20	23	6.5
145－170－20	145	170	21	24	6.5
150－165－10	150	165	11	14	6.5
150－170－12	150	170	13	16	6.5
150－170－16	150	170	17	20	6.5
150－175－16	150	175	17	20	6.5
150－175－20	150	175	21	24	6.5
155－180－19	155	180	20	24	6.5
155－180－20	155	180	21	25	6.5
160－175－10	160	175	11	15	6.5
160－180－12	160	180	13	17	6.5
160－180－16	160	180	17	21	6.5
160－185－16	160	185	17	21	6.5
160－185－19	160	185	20	24	6.5
160－185－20	160	185	21	25	6.5
170－185－10	170	185	11	15	6.5
170－190－12	170	190	13	17	6.5
170－190－16	170	190	17	21	6.5
170－195－16	170	195	17	21	6.5
170－195－20	170	195	21	25	6.5
175－200－19	175	200	20	24	6.5
175－200－20	175	200	21	25	6.5
180－200－16	180	200	17	21	6.5
180－205－16	180	205	17	21	6.5
180－205－19	180	205	20	24	6.5
180－205－20	180	205	21	25	6.5
190－210－16	190	210	17	21	6.5
190－215－19	190	215	17	21	6.5
190－215－20	190	215	21	25	6.5
195－220－16	195	220	17	21	6.5
199－219－11	199	219	12	16	6.5
199－219－15	199	219	16	20	6.5
199－224－16	199	224	17	21	6.5
199－224－19	199	224	20	24	6.5.
200－220－16	200	220	17	21	6.5
200－225－16	200	225	17	21	6.5

IDI URI ISI

规格及沟槽尺寸 specification & groove size

IDI URI

规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{H9/f8}$	$ØD^{H10}$	$HA^{+0.3}$	$HB^{+0.3}$	C
200－225－19	200	225	20	24	6.5
200－225－20	200	225	21	25	6.5
210－230－11 *	210	230	12	16	6.5
210－230－16	210	230	17	21	6.5
210－235－15 *	210	235	16	20	6.5
210－235－16	210	235	17	21	6.5
210－235－16.5 *	210	235	17.5	21.5	6.5
210－235－19	210	235	20	24	6.5
210－235－20	210	235	21	25	6.5
220－240－16	220	240	17	21	6.5
220－245－16	220	245	17	21	6.5
220－245－19	220	245	20	24	6.5
220－245－20	220	245	21	25	6.5
250－275－16	250	275	17	21	6.5
260－285－19	260	285	20	24	8
270－300－19	270	300	20	24	8
280－310－19	280	310	20	24	8
290－315－16	290	315	17	21	8
300－325－19	300	325	20	24	8

IDI URI ISI

规格及沟槽尺寸 specification & groove size

ISI

规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$	HB$^{+0.3}$	C
18 - 26 - 5	18	26	5.7	7.7	2
20 - 28 - 5	20	28	5.7	7.7	2
22.4 - 30 - 5	22.4	30	5.7	7.7	2
22.4 - 30.4 - 5	22.4	30.4	5.7	7.7	2
23.5 - 31.5 - 5	23.5	31.5	5.7	7.7	2
25 - 33 - 5	25	33	5.7	7.7	2.5
25 - 35 - 5	25	35	5.7	7.7	2.5
28 - 35.5 - 5	28	35.5	5.7	7.7	2.5
28 - 36 - 5	28	36	5.7	8.7	2.5
30 - 40 - 6	30	40	7	10	2.5
31.5 - 41.5 - 6	31.5	41.5	7	10	2.5
35 - 45 - 6	35	45	7	10	2.5
35.5 - 45 - 6	35.5	45	7	10	2.5
35.5 - 45.5 - 6	35.5	45.5	7	10	2.5
40 - 50 - 6	40	50	7	10	2.5
45 - 55 - 6	45	55	7	10	2.5
45 - 56 - 7	45	56	8	11	2.5
50 - 60 - 6	50	60	7	10	2.5
53 - 63 - 6	53	63	7	10	2.5
55 - 65 - 6	55	65	7	10	2.5
56 - 66 - 6	56	66	7	10	2.5
60 - 70 - 6	60	70	7	10	2.5
60 - 71 - 7	60	71	8	11	2.5
63 - 73 - 6	63	73	7	10	2.5
65 - 75 - 6	65	75	7	10	2.5
67 - 77 - 6	67	77	7	10	2.5
70 - 80 - 6	70	80	7	10	2.5
71 - 81 - 6	71	81	7	10	2.5
75 - 85 - 6	75	85	7	10	2.5
80 - 90 - 6	80	90	7	10	2.5
85 - 100 - 9	85	100	10	13	4
90 - 105 - 9	90	105	10	13	4
95 - 110 - 9	95	110	10	13	4
98 - 112 - 8.5	98	112	9.5	12.5	4
100 - 115 - 9	100	115	10	13	4
105 - 120 - 9	105	120	10	13	4
106 - 120 - 8.5	106	120	9.5	12.5	4
106 - 121 - 9	106	121	10	13	4
110 - 125 - 9	110	125	10	13	4
112 - 125 - 9	112	125	10	13	4
118 - 133 - 9	118	133	10	13	4
120 - 135 - 9	120	135	10	13	4
125 - 140 - 9	125	140	10	13	4
130 - 145 - 9	130	145	10	13	4
136 - 150 - 8.5	136	150	9.5	12.5	4
140 - 155 - 9	140	155	10	13	4
145 - 160 - 9	145	160	10	13	4
150 - 165 - 9	150	165	10	13	4
155 - 170 - 9	155	170	10	14	4
160 - 175 - 9	160	175	10	14	4

规格及沟槽尺寸 specification & groove size

ISI

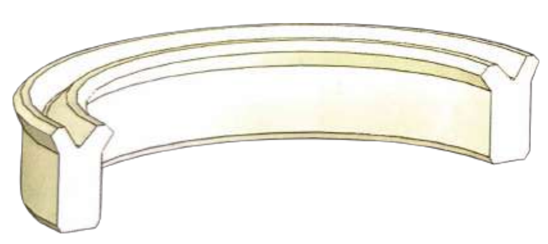
规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$	HB$^{+0.3}$	C
165 - 180 - 9	165	180	10	14	4
170 - 185 - 9	170	185	10	14	4
175 - 190 - 9	175	190	10	14	4
180 - 200 - 12	180	200	13	17	5
190 - 210 - 12	190	210	13	17	5
200 - 220 - 12	200	220	13	17	5
204 - 224 - 12	204	224	13	17	5
210 - 230 - 12	210	230	13	17	5
220 - 240 - 12	220	240	13	17	5
225 - 245 - 12	225	245	13	17	5
230 - 250 - 12	230	250	13	17	5
240 - 260 - 12	240	260	13	17	5
250 - 270 - 12	250	270	13	17	5
260 - 285 - 16	260	285	17	21	6.5
270 - 295 - 16	270	295	17	21	6.5
280 - 305 - 16	280	305	17	21	6.5
290 - 315 - 16	290	315	17	21	6.5
300 - 325 - 16	300	325	17	21	6.5

活塞杆密封

Rod seal

本产品是在沟槽中作紧密配合安装的活塞杆专用的一种唇形密封件，采用的标准是国标YX系列标准。

Description: YX Rod seal is a lip-seal which fits tightly in the groove.



Advantages:

- High resistance to high temperature
- High abrasion resistance
- Low compression set
- Suitable for the most severe workingconditions
- Easy installation

Technical Data

Operating conditions

Pressure:≤31.5Mpa

Temperature: -35~+110℃

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

Material

Material: PU

Hardness: 90-95 Shore A

Color: Light yellow、Blue、Green、Black

使用材料选用PU、NBR

硬度90 -95 Shore A

颜色为本色、蓝色、军绿色、黑色

与市场上其他YX密封件比，主要优点是承受压缩变形小，耐磨性能高等

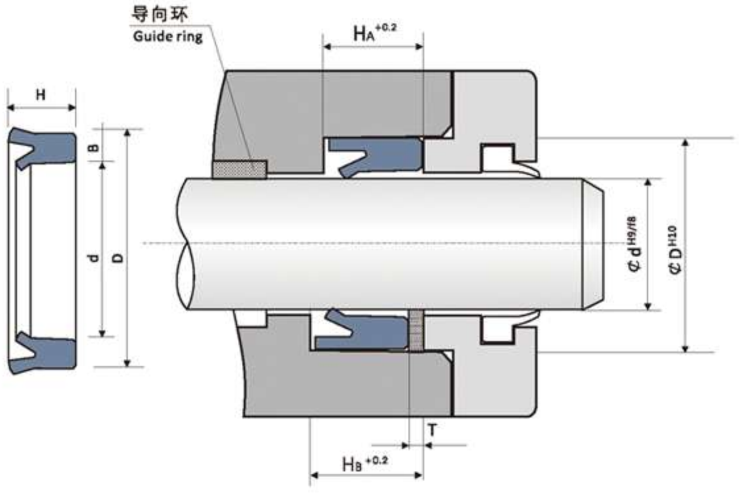
适用于高品质、高要求产品上的配套

工作压力：≤31.5Mpa

工作温度：-35~+110℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

YX-d U2 USR IDU

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD	$H_A^{+0.2}$	$H_B^{+0.2}$	T
6-11-8	6	11	9	10.5	1.5
6-12-8	6	12	9	10.5	1.5
8-14-8	8	14	9	10.5	1.5
8-18-5	8	18	6	7.5	1.5
10-16-8	10	16	9	10.5	1.5
12-16-4	12	16	5	6.5	1.5
12-17-4	12	17	5	6.5	1.5
12-18-8	12	18	9	10.5	1.5
12-20-8	12	20	9	10.5	1.5
14-20-6	14	20	7	8.5	1.5
14-26-6	14	26	7	8.5	1.5
16-22-8	16	22	9	10.5	1.5
16-24-8	16	24	9	10.5	1.5
16-24-10	16	24	12	13.5	1.5
18-24-8	18	24	9	10.5	1.5
18-26-10	18	26	12	13.5	1.5
20-26-8	20	26	9	10.5	1.5
20-28-5	20	28	6	7.5	1.5
20-28-10	20	28	12	13.5	1.5
22-28-8	22	28	9	10.5	1.5
22-30-10	22	30	12	13.5	1.5
25-31-8	25	31	9	10.5	1.5
25-33-10	25	33	12	13.5	1.5
28-34-8	28	34	9	10.5	1.5
28-36-8	28	36	9	10.5	1.5
28-36-10	28	36	12	13.5	1.5
30-38-8	30	38	9	10.5	1.5
30-38-10	30	38	12	13.5	1.5
32-40-10	32	40	12	13.5	1.5
34-42-10	34	42	12	13.5	1.5
35-43-10	35	43	12	13.5	1.5
36-44-10	36	44	12	13.5	1.5
38-46-10	38	46	12	13.5	1.5
40-48-10	40	48	12	13.5	1.5
42-54-8	42	54	9	10.5	1.5
45-53-10	45	53	12	13.5	1.5
50-58-10	50	58	12	13.5	1.5
52-60-10	52	60	12	13.5	1.5
55-63-10	55	63	12	13.5	1.5
55-67-14	55	67	16	18	2
56-64-10	56	64	12	13.5	1.5
56-68-10	56	68	12	13.5	1.5
60-72-14	60	72	16	18	2
63-75-14	63	75	16	18	2
63-78-10	70	78	12	13.5	1.5
65-77-14	65	77	16	18	2
67-79-14	67	79	16	18	2
70-79-12	70	79	14	16	2
70-80-12	70	80	14	16	2
70-82-14	70	82	16	18	2
71-80-12	71	80	14	16	2
71-80.4-12	71	80.4	14	16	2
72-84-14	72	84	16	18	2
72.5-82.5-14	72.5	82.5	12	13.5	1.5
75-87-14	75	87	16	18	2
77-98-9.5	77	98	10.5	12	1.5

规格及沟槽尺寸 specification & groove size

YX-d U2 USR IDU

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD	$H_A^{+0.2}$	$H_B^{+0.2}$	T
78 - 90 - 14	78	90	16	18	2
80 - 90 - 12	80	90	14	16	2
80 - 90 - 14	80	90	16	18	2
80 - 92 - 14	80	92	16	18	2
80 - 95 - 14	80	95	16	18	2
85 - 97 - 14	85	97	16	18	2
86 - 96 - 12	86	96	14	16	2
86 - 98 - 14	86	98	16	18	2
87 - 97 - 12	87	97	14	16	2
88 - 97 - 12	88	97	14	16	2
88 - 97.4 - 12	88	97.4	14	16	2
88 - 98 - 12	88	98	14	16	2
88 - 100 - 14	88	100	16	18	2
88.5 - 98.5 - 14	88.5	98.5	16	18	2
89 - 99 - 12	89	99	14	16	2
90 - 99 - 12	90	99	14	16	2
90 - 100 - 12	90	100	14	16	2
90 - 102 - 14	90	102	16	18	2
95 - 107 - 14	95	107	16	18	2
98.45 - 112.5 - 15	98.45	112.5	17	19	2
100 - 112 - 14	100	112	16	18	2
105 - 115 - 12	105	115	14	16	2
105 - 117 - 14	105	117	16	18	2
105 - 121 - 18	105	121	20	22.5	2.5
110 - 119 - 12	110	119	14	16	2
110 - 119.4 - 12	110	119.4	14	16	2
110 - 120 - 12	110	120	14	16	2
110 - 122 - 14	110	122	16	18	2
110 - 125 - 12	110	125	14	16	2
110 - 126 - 18	110	126	20	22.5	2.5
115 - 127 - 14	115	127	16	18	2
115 - 131 - 18	115	131	20	22.5	2.5
117.9 - 132 - 14	117.9	132	16	18	2
120 - 129 - 12	120	129	14	16	2
120 - 132 - 14	120	132	16	18	2
120 - 136 - 18	120	136	20	22.5	2.5
125 - 137 - 14	125	137	16	18	2
125 - 141 - 18	125	141	20	22.5	2.5
130 - 139 - 12	130	139	14	16	2
130 - 140 - 12	130	140	14	16	2
130 - 142 - 14	130	142	16	18	2
130 - 146 - 18	130	146	20	22.5	2.5
135 - 145 - 12	135	145	14	16	2
135 - 147 - 14	135	147	16	18	2
135 - 151 - 18	135	151	20	22.5	2.5
137 - 149 - 16	137	149	18	20	2
138 - 150 - 16	138	150	18	20	2
140 - 152 - 14	140	152	16	18	2
140 - 156 - 18	140	156	20	22.5	2.5
143 - 155 - 14	143	155	16	18	2
145 - 161 - 18	145	161	20	22.5	2.5
150 - 160 - 12	150	160	14	16	2
150 - 162 - 14	150	162	16	18	2
150 - 166 - 18	150	166	20	22.5	2.5
155 - 171 - 18	155	171	20	22.5	2.5
160 - 172 - 14	160	172	16	18	2

规格及沟槽尺寸 specification & groove size

YX-d U2 USR IDU

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD	$H_A^{+0.2}$	$H_B^{+0.2}$	T
160 - 176 - 18	160	176	20	22.5	2.5
165 - 181 - 18	165	181	20	22.5	2.5
170 - 186 - 18	170	186	20	22.5	2.5
175 - 191 - 18	175	191	20	22.5	2.5
180 - 192 - 14	180	192	16	18	2
180 - 196 - 18	180	196	20	22.5	2.5
185 - 201 - 18	185	201	20	22.5	2.5
190 - 206 - 18	190	206	20	22.5	2.5
195 - 211 - 18	195	211	20	22.5	2.5
200 - 216 - 18	200	216	20	22.5	2.5
205 - 221 - 18	205	221	20	22.5	2.5
210 - 226 - 18	210	226	20	22.5	2.5
215 - 231 - 18	215	231	20	22.5	2.5
220 - 236 - 18	220	236	20	22.5	2.5
225 - 241 - 18	225	241	20	22.5	2.5
230 - 246 - 18	230	246	20	22.5	2.5
235 - 251 - 18	235	251	20	22.5	2.5
240 - 256 - 18	240	256	20	22.5	2.5
250 - 266 - 18	250	266	20	22.5	2.5
260 - 276 - 18	260	276	20	22.5	2.5
265 - 281 - 18	265	281	20	22.5	2.5
270 - 286 - 18	270	286	20	22.5	2.5
280 - 296 - 18	280	296	20	22.5	2.5
280 - 304 - 18	280	304	20	22.5	2.5
285 - 301 - 18	285	301	20	22.5	2.5
290 - 306 - 18	290	306	20	22.5	2.5
290 - 314 - 24	290	314	26.5	30	3.5
295 - 311 - 18	295	311	20	22.5	2.5
300 - 316 - 18	300	316	20	22.5	2.5
305 - 329 - 24	305	329	26.5	30	3.5
310 - 334 - 24	310	334	26.5	30	3.5
315 - 339 - 24	315	339	26.5	30	3.5
318 - 342 - 24	318	342	26.5	30	3.5
320 - 344 - 21	320	344	23	26	3
320 - 344 - 24	320	344	26.5	30	3.5
320 - 350 - 22	320	350	24	27	3
325 - 349 - 24	325	349	26.5	30	3.5
330 - 354 - 24	330	354	26.5	30	3.5
330 - 360 - 22	330	360	24	27	3
340 - 364 - 24	340	364	26.5	30	3.5
350 - 374 - 24	350	374	26.5	30	3.5
358 - 382 - 24	358	382	26.5	30	3.5
360 - 384 - 24	360	384	26.5	30	3.5
370 - 394 - 24	370	394	26.5	30	3.5
380 - 404 - 24	380	404	26.5	30	3.5
390 - 414 - 24	390	414	26.5	30	3.5
400 - 424 - 24	400	424	26.5	30	3.5
410 - 434 - 24	410	434	26.5	30	3.5
420 - 444 - 24	420	444	26.5	30	3.5
440 - 464 - 24	440	464	26.5	30	3.5
450 - 474 - 24	450	474	26.5	30	3.5
460 - 484 - 24	460	484	26.5	30	3.5
465 - 489 - 24	465	489	26.5	30	3.5
470 - 494 - 24	470	494	26.5	30	3.5
480 - 504 - 24	480	504	26.5	30	3.5
490 - 514 - 24	490	514	265	30	3.5

YX-d U2 USR IDU

规格及沟槽尺寸 specification & groove size

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD	$H_A^{+0.2}$	$H_B^{+0.2}$	T
500 - 524 - 24	500	524	26.5	30	3.5
515 - 539 - 24	515	539	26.5	30	3.5
520 - 544 - 24	520	544	26.5	30	3.5
530 - 554 - 24	530	554	26.5	30	3.5
550 - 574 - 24	550	574	26.5	30	3.5
560 - 584 - 24	560	584	26.5	30	3.5
580 - 604 - 24	580	604	26.5	30	3.5
590 - 614 - 24	590	614	26.5	30	3.5
600 - 624 - 24	600	624	26.5	30	3.5
620 - 644 - 24	620	644	26.5	30	3.5
630 - 654 - 24	630	654	26.5	30	3.5
650 - 674 - 24	650	674	26.5	30	3.5
700 - 724 - 24	700	724	26.5	30	3.5
720 - 744 - 24	720	744	26.5	30	3.5
740 - 764 - 24	740	764	26.5	30	3.5
750 - 774 - 24	750	774	26.5	30	3.5
780 - 804 - 24	780	804	26.5	30	3.5
810 - 834 - 24	810	834	26.5	30	3.5
820 - 844 - 24	820	844	26.5	30	3.5
870 - 894 - 24	870	894	26.5	30	3.5
900 - 924 - 24	900	924	26.5	30	3.5
1200 - 1224 - 24	1200	1224	26.5	30	3.5
*20 - 26 - 8	20	26	9	10.5	1.5
*22 - 28 - 8	22	28	9	10.5	1.5
*25 - 31 - 8	25	31	9	10.5	1.5
*28 - 34 - 8	28	34	9	10.5	1.5
*105 - 117 - 14	105	117	16	18	2
*110 - 122 - 14	110	122	16	18	2
*115 - 127 - 14	115	127	16	18	2
*120 - 132 - 14	120	132	16	18	2
*125 - 137 - 14	125	137	16	18	2
*130 - 142 - 14	130	142	16	18	2
*135 - 147 - 14	135	147	16	18	2
*140 - 152 - 14	140	152	16	18	2
*145 - 157 - 14	145	157	16	18	2
*150 - 162 - 14	150	162	16	18	2
*155 - 167 - 14	155	167	16	18	2
*160 - 172 - 14	160	172	16	18	2
*163 - 175 - 14	163	175	16	18	2

YX-d U2 USR IDU

活塞杆密封

Rod seal

本产品用于往复运动液压油缸中活塞杆的密封。

Description: KY is use for rod sealing in hydraulic cylinder under reciprocating movements.

Advantages:

- various engineering machinery, hydraulic cylinders
- under tougest operating conditions
- high pressure impact at poor operating conditions

Technical Data

Temp range:-35~+110℃

Operating pressure: ≤40Mpa

Media:hydraulic fluids,emulsion,water

Source of standard:own standards

(grooves conform to GB2879-81)

Material

Material: PU

Hardness:90±5° A

适用范围：各种工程机械及高温、高压冲击等工况恶劣的液压机械油缸

材质：聚氨酯PU

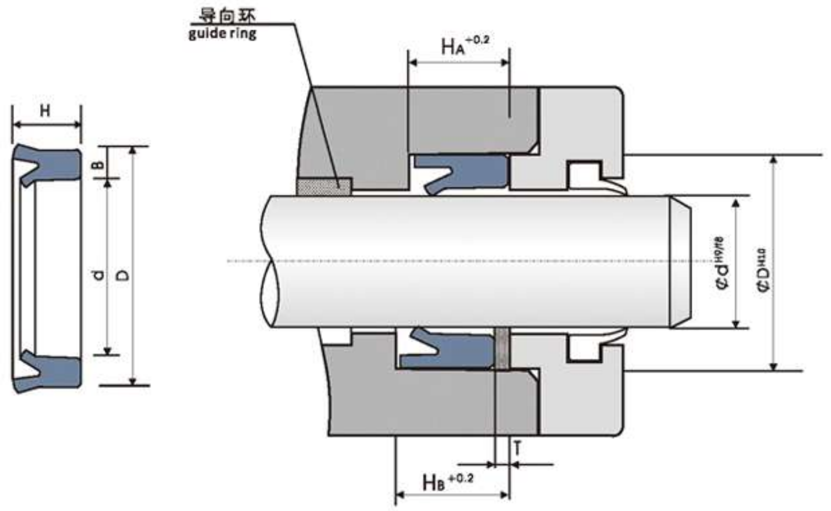
产品硬度：90±5° A

工作温度：-35~+110℃

工作压力：≤40Mpa

工作介质：液压油、乳化液、水

标准来源：企业标准（注：沟槽符合GB2879-81）



KY-d

规格及沟槽尺寸 specification & groove size

KY-d

规格 specification	沟槽尺寸 Grooves dimensions				
	Ød	ØD	$H_A^{+0.2}$	$H_B^{+0.2}$	T
20-28-5.6	20	28	6.3	7.8	1.5
20-30-7	20	30	8	9.5	1.5
22-30-5.6	22	30	6.3	7.8	1.5
22-32-7	22	32	8	9.5	1.5
25-33-5.6	25	33	6.3	7.8	1.5
25-35-7	25	35	8	9.5	1.5
28-38-7	28	38	8	9.5	1.5
28-43-11	28	43	12.5	14	1.5
36-46-7	36	46	8	9.5	1.5
36-51-11	36	51	12.5	14	1.5
40-50-7	40	50	8	9.5	1.5
40-55-11	40	55	12.5	14	1.5
45-55-7	45	55	8	9.5	1.5
45-60-11	45	60	12.5	14	1.5
50-60-7	50	60	8	9.5	1.5
50-65-11	50	65	12.5	14	1.5
55-70-11.5	55	70	12.5	14	2
56-71-11	56	71	12.5	14.5	2
56-76-14	56	76	16	18	2
63-78-11	63	78	12.5	14.5	2
63-83-14	63	83	16	18	2
70-85-11	70	85	12.5	14.5	2
70-90-14	70	90	16	18	2
80-95-11	80	95	12.5	14.5	2
80-100-14	80	100	16	18	2
90-105-11	90	105	12.5	14.5	2
90-110-12	90	110	14	16	2
90-110-14	90	110	16	18	2
100-120-14	100	120	16	18	2
100-125-18	100	125	20	22	2
105-125-15	105	125	17	20	2
110-130-14	110	130	16	18	2
110-135-18	110	135	20	22	2
125-145-14	125	145	16	18	2.5
125-150-18	125	150	20	22	2.5
140-160-14	140	160	16	18.5	2.5
140-165-18	140	165	20	22.5	2.5
160-185-18	160	185	20	22.5	2.5
160-190-23	160	190	25	27.5	2.5
180-205-18	180	205	20	22.5	2.5
180-210-23	180	210	25	27.5	2.5
200-225-18	200	225	20	23	3
200-230-23	200	230	25	28	3
220-250-23	220	250	25	28	3
250-280-23	250	280	25	28	3
280-310-23	280	310	25	28	3
290-320-23	290	320	25	28	3
320-360-30	320	360	32	36	3
360-400-30	360	400	32	36	3

活塞杆组合密封

Rod compact seal

本产品是在沟槽中活塞杆专用的一种唇形组合密封件。

Description: BA rod seal consists of a lip seal and high elastic O-Ring.It is mainly used in telescopic cylinder,air drill, presses and so on.

Advantages

- Unusually high wear resistance
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Low compression set
- Suitable for hardest working conditions
- Perfect sealing performance under low pressure even 0-pressure
- Easy installation

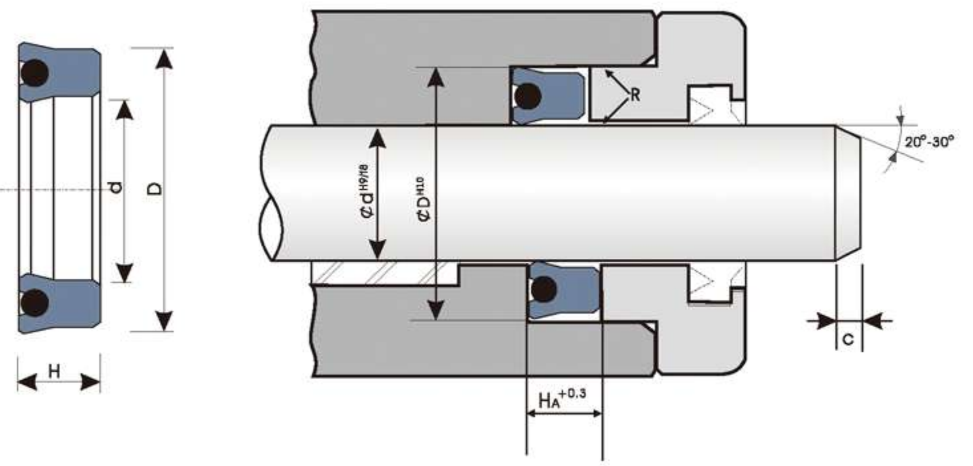
Technical Data

Operating conditions
Pressure: ≤35Mpa
Temperature:-35~+110℃.
Speed: ≤0.5m/s
Media:Hydraulic oils(mineral oil-based)

Material

lip seal:PU O-Ring:NBR
Hardness:90-95 Shore A
Color:Blue

密封件使用材料为进口PU
硬度90--95 ShoreA，颜色蓝色
O型圈材料为NBR
对动载和峰值压力不敏感，在无载和低压下有理想的密封性能
工作压力：≤35Mpa
工作温度：-35～+110℃
运行速度：≤0.5m/s
介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions Ød H9/f8	ØD H10	H	H_A +0.3
3 - 8.5 - 4	3	8.5	4	4.4
4.7 - 11 - 5	4.7	11	5	5.5
4.8 - 11.1 - 6.4	4.8	11.1	6.4	7
6 - 14 - 5.7	6	14	5.7	6.3
6.35 - 12.7 - 3.18	6.35	12.7	3.18	3.7
6.4 - 12.7 - 6.4	6.4	12.7	6.4	7
7.9 - 14.3 - 6.4	7.9	14.3	6.4	7
8 - 16 - 5.7	8	16	5.7	6.3
9.53 - 15.88 - 6.35	9.53	15.88	6.35	7
10 - 18 - 5.7	10	18	5.7	6.3
10 - 20 - 7.3	10	20	7.3	8
11.1 - 17.5 - 6.4	11.1	17.5	6.4	7
12 - 20 - 5.7	12	20	5.7	6.3
12 - 22 - 7.3	12	22	7.3	8
12.7 - 19.05 - 4.5	12.7	19.05	4.5	5
12.7 - 19.05 - 4.76	12.7	19.05	4.76	5.3
12.7 - 19.05 - 6.35	12.7	19.05	6.35	7
12.7 - 19.1 - 6.4	12.7	19.1	6.4	7
12.7 - 25.4 - 9.5	12.7	25.4	9.5	10.5
13 - 19 - 4	13	19	4	4.4
13 - 20 - 5	13	20	5	5.5
13 - 23 - 7.3	13	23	7.3	8
14 - 22 - 5.7	14	22	5.7	6.3
14 - 24 - 7.3	14	24	7.3	8
14.3 - 20.6 - 6.4	14.3	20.6	6.4	7
15 - 23 - 5.7	15	23	5.7	6.3
15.88 - 22.23 - 3.18	15.88	22.23	3.18	3.7
15.9 - 22.2 - 4.8	15.9	22.2	4.8	5.3
15.9 - 22.2 - 6.4	15.9	22.2	6.4	7
16 - 22.2 - 4.5	16	22.2	4.5	5
16 - 24 - 5	16	24	5	5.5
16 - 24 - 5.7	16	24	5.7	6.3
16 - 25 - 8	16	25	8	8.8
16 - 26 - 7.3	16	26	7.3	8
17.5 - 33.3 - 12.7	17.5	33.3	12.7	14
18 - 24 - 5	18	24	5	5.5
18 - 26 - 5	18	26	5	5.5
18 - 26 - 5.7	18	26	5.7	6.3
18 - 28 - 7.3	18	28	7.3	8
19 - 25.4 - 3.35	19	25.4	3.35	3.8
19 - 29 - 7.3	19	29	7.3	8
19.05 - 25.4 - 3.18	19.05	25.4	3.18	3.7
19.05 - 25.4 - 4.76	19.05	25.4	4.76	5.3
19.05 - 25.4 - 6.35	19.05	25.4	6.35	7
19.05 - 31.75 - 6.25	19.05	31.75	6.25	6.9
19.1 - 25.4 - 4.5	19.1	25.4	4.5	5
19.1 - 25.4 - 6.4	19.1	25.4	6.4	7
19.1 - 28.6 - 7.9	19.1	28.6	7.9	8.7
20 - 28 - 5.5	20	28	5.5	6
20 - 28 - 5.7	20	28	5.7	6.3

BA

规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions Ød H9/f8	ØD H10	H	H_A +0.3
20 - 28 - 6.5	20	28	6.5	7.2
20 - 30 - 7.3	20	30	7.3	8
20 - 32.7 - 9.5	20	32.7	9.5	10.5
20.6 - 26.8 - 4.8	20.6	26.8	4.8	5.3
22 - 30 - 5.7	22	30	5.7	6.3
22 - 32 - 7.3	22	32	7.3	8
22 - 35 - 10	22	35	10	11
22.2 - 28.6 - 6.4	22.2	28.6	6.4	7
22.2 - 31.8 - 7.9	22.2	31.8	7.9	8.7
22.23 - 28.56 - 6.35	22.23	28.56	6.35	7
24 - 30 - 5	24	30	5	5.5
24 - 32 - 7	24	32	7	7.7
24 - 35 - 5.7	24	35	5.7	6.3
25 - 33 - 5.7	25	33	5.7	6.3
25 - 35 - 7	25	35	7	7.7
25 - 35 - 7.3	25	35	7.3	8
25 - 40 - 10	25	40	10	11
25 - 40 - 11	25	40	11	12.1
25.4 - 31.75 - 3.18	25.4	31.75	3.18	3.7
25.4 - 31.75 - 4.76	25.4	31.75	4.76	5.3
25.4 - 31.75 - 6.35	25.4	31.75	6.35	7
25.4 - 31.75 - 9.53	25.4	31.75	9.53	10.5
25.4 - 31.8 - 4.5	25.4	31.8	4.5	5
25.4 - 31.8 - 6.4	25.4	31.8	6.4	7
25.4 - 34.9 - 7.9	25.4	34.9	7.9	8.7
25.4 - 34.93 - 4.76	25.4	34.93	4.76	5.3
25.4 - 34.93 - 7.95	25.4	34.93	7.95	8.7
25.4 - 38.1 - 6.35	25.4	38.1	6.35	7
25.4 - 38.1 - 9.5	25.4	38.1	9.5	10.5
25.4 - 38.1 - 9.53	25.4	38.1	9.53	10.5
25.4 - 41.3 - 12.7	25.4	41.3	12.7	14
26 - 36 - 10	26	36	10	11
28 - 35 - 6.5	28	35	6.5	7.2
28 - 36 - 5.7	28	36	5.7	6.3
28 - 38 - 7.3	28	38	7.3	8
28 - 43 - 11.4	28	43	11.4	12.5
28.58 - 34.93 - 6.35	28.58	34.93	6.35	7
28.58 - 38.1 - 4.76	28.58	38.1	4.76	5.3
28.6 - 34.9 - 4.5	28.6	34.9	4.5	5
28.6 - 34.9 - 6.4	28.6	34.9	6.4	7
28.6 - 38.1 - 7.9	28.6	38.1	7.9	8.7
28.6 - 41.3 - 9.5	28.6	41.3	9.5	10.5
30 - 38 - 5.7	30	38	5.7	6.3
30 - 38 - 7	30	38	7	7.7
30 - 40 - 7	30	40	7	7.7
30 - 40 - 7.5	30	40	7.5	8.3
30 - 42 - 10	30	42	10	11
30 - 45 - 8	30	45	8	8.8
30 - 45 - 11.4	30	45	11.4	12.5
30.16 - 26.99 - 3.18	30.16	26.99	3.18	3.7

BA

规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
30.16 - 39.99 - 4.76	30.16	39.99	4.76	5.3
30.2 - 39.7 - 7.9	30.2	39.7	7.9	8.7
31.75 - 38.1 - 6.35	31.75	38.1	6.35	7
31.75 - 41.28 - 4.5	31.75	41.28	4.5	5
31.75 - 41.28 - 4.76	31.75	41.28	4.76	5.3
31.75 - 41.28 - 7.95	31.75	41.28	7.95	8.7
31.75 - 41.28 - 9.53	31.75	41.28	9.53	10
31.75 - 44.45 - 6.35	31.75	44.45	6.35	7
31.75 - 47.63 - 11.11	31.75	47.63	11.11	12.1
31.75 - 50.8 - 6.35	31.75	50.8	6.35	7
31.8 - 38.1 - 4.5	31.8	38.1	4.5	5
31.8 - 38.1 - 6.4	31.8	38.1	6.4	7
31.8 - 41.3 - 6.8	31.8	41.3	6.8	7.5
31.8 - 41.3 - 7.9	31.8	41.3	7.9	8.7
31.8 - 44.5 - 9.5	31.8	44.5	9.5	10.5
31.8 - 47.6 - 12.7	31.8	47.6	12.7	14
32 - 40 - 5.7	32	40	5.7	6.3
32 - 40 - 6	32	40	6	6.6
32 - 42 - 7.3	32	42	7.3	8
32 - 47 - 11.4	32	47	11.4	12.5
34.8 - 47.5 - 9.53	34.8	47.5	9.53	10.5
34.9 - 41.3 - 4.8	34.9	41.3	4.8	5.3
34.9 - 44.5 - 7.9	34.9	44.5	7.9	8.7
34.92 - 50.8 - 7.93	34.92	50.8	7.93	8.7
34.93 - 41.28 - 6.6	34.93	41.28	6.6	7.2
34.93 - 44.45 - 7.95	34.93	44.45	7.95	8.7
34.93 - 44.45 - 9.53	34.93	44.45	9.53	10.5
34.93 - 50.8 - 11.1	34.93	50.8	11.1	12.1
35 - 41 - 7	35	41	7	7.7
35 - 43 - 5.7	35	43	5.7	6.3
35 - 43 - 6.5	35	43	6.5	7.2
35 - 45 - 8	35	45	8	8.8
35 - 45 - 10	35	45	10	11
35 - 47 - 10	35	47	10	11
35 - 50 - 11.4	35	50	11.4	12.5
36 - 44 - 5.7	36	44	5.7	6.3
36 - 46 - 7.3	36	46	7.3	8
36 - 51 - 11.4	36	51	11.4	12.5
38 - 44.5 - 4.8	38	44.5	4.8	5.3
38 - 50 - 7	38	50	7	7.7
38.1 - 44.45 - 6.35	38.1	44.45	6.35	7
38.1 - 44.5 - 4.5	38.1	44.5	4.5	5
38.1 - 44.5 - 6.4	38.1	44.5	6.4	7
38.1 - 47.6 - 6.4	38.1	47.6	6.4	7
38.1 - 47.6 - 6.8	38.1	47.6	6.8	7.5
38. - 47.6 - 7.4	38.1	47.6	7.4	8.1
38.1 - 47.6 - 9.5	38.1	47.6	9.5	10.5
38.1 - 47,625 - 5	38.1	47,625	5	5.5
38.1 - 47.63 - 9.53	38.1	47.63	9.53	10.5
38.1 - 47.65 - 7.94	38.1	47.65	7.94	8.7

规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
38.1 - 50.8 - 6.35	38.1	50.8	6.35	7
38.1 - 50.8 - 9.5	38.1	50.8	9.5	10.5
38.1 - 50.8 - 9.53	38.1	50.8	9.53	10.5
38.1 - 54 - 12.7	38.1	54	12.7	14
38.1 - 57.2 - 15.9	38.1	57.2	15.9	17.5
40 - 48 - 5.7	40	48	5.7	6.3
40 - 49.5 - 9.5	40	49.5	9.5	10.5
40 - 50 - 7	40	50	7	7.7
40 - 50 - 7.3	40	50	7.3	8
40 - 50 - 10	40	50	10	11
40 - 52 - 10	40	52	10	11
40 - 55 - 10	40	55	10	11
40 - 55 - 11.4	40	55	11.4	12.5
41.28 - 47.63 - 9.53	41.28	47.63	9.53	10.5
41.28 - 50.8 - 4.76	41.28	50.8	4.76	5.3
41.28 - 50.8 - 7.94	41.28	50.8	7.94	8.7
41.28 - 50.8 - 9.53	41.28	50.8	9.53	105
41.3 - 50.8 - 7.9	41.3	50.8	7.9	8.7
41.3 - 50.8 - 9.5	41.3	50.8	9.5	10.5
41.3 - 57.2 - 12.7	41.3	57.2	12.7	14
41.7 - 50.7 - 7.1	41.7	50.7	7.1	7.8
42 - 50 - 6.5	42	50	6.5	7.2
42 - 50 - 8	42	50	8	8.8
44.45 - 50.8 - 6.35	44.45	50.8	6.35	7
44.45 - 57.15 - 9.53	44.45	57.15	9.53	105
44.45 - 60.33 - 11.11	44.45	60.33	11.11	12.1
44.5 - 53.9 - 7.2	44.5	53.9	7.2	7.9
44.5 - 54 - 5	44.5	54	5	5.5
44.5 - 54 - 6.8	44.5	54	6.8	7.5
44.5 - 54 - 9.5	44.5	54	9.5	10.5
44.5 - 57.2 - 9.5	44.5	57.2	9.5	10.5
44.5 - 60.3 - 12.7	44.5	60.3	12.7	14
45 - 53 - 7.3	45	53	7.3	8
45 - 55 - 5	45	55	5	5.5
45 - 55 - 7.3	45	55	7.3	8
45 - 55 - 8	45	55	8	8.8
45 - 55 - 10	45	55	10	11
45 - 57.7 - 9.5	45	57.7	9.5	10.5
45 - 60 - 11.4	45	60	11.4	12.5
45 - 65 - 11.4	45	65	11.4	12.5
47.6 - 57.2 - 4.8	47.6	57.2	4.8	5.3
47.6 - 57.2 - 9.5	47.6	57.2	9.5	10.5
47.6 - 60.3 - 9.5	47.6	60.3	9.5	10.5
47.6 - 63.5 - 9.5	47.6	63.5	9.5	10.5
47.63 - 70,03 - 15.8	47.63	70.03	15.8	17.5
48 - 60 - 10	48	60	10	11
50 - 58 - 8	50	58	8	8.8
50 - 58 - 10	50	58	10	11
50 - 60 - 7.3	50	60	7.3	8
50 - 60 - 7.5	50	60	7.5	8.3

规格及沟槽尺寸 specification & groove size

BA

规格	沟槽尺寸 Grooves dimensions			
specification	$Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
50 - 60 - 10	50	60	10	11
50 - 60 - 11.4	50	60	11.4	12.5
50 - 62 - 9.5	50	62	9.5	10.5
50 - 63 - 9	50	63	9	10
50 - 63 - 10	50	63	10	11
50 - 65 - 10	50	65	10	11
50 - 65 - 11.4	50	65	11.4	12.5
50 - 65 - 12	50	65	12	13.2
50 - 70 - 14.6	50	70	14.6	16.1
50.4 - 69.9 - 15.9	50.4	69.9	15.9	17.5
50.8 - 60.3 - 7.9	50.8	60.3	7.9	8.7
50.8 - 60.3 - 9.5	50.8	60.3	9.5	10.5
50.8 - 63.5 - 6.35	50.8	63.5	6.35	7
50.8 - 63.5 - 9.5	50.8	63.5	9.5	10.5
50.8 - 63.5 - 9.52	50.8	63.5	9.52	10.5
50.8 - 63.5 - 14.29	50.8	63.5	14.29	15.7
50.8 - 65.88 - 12.7	50.8	65.88	12.7	14
50.8 - 66.7 - 12.7	50.8	66.7	12.7	14
51 - 63.5 - 7	51	63.5	7	7.7
52 - 62 - 7.3	52	62	7.3	8
53 - 63 - 7.3	53	63	7.3	8
53.97 - 63.5 - 6.35	53.97	63.5	6.35	7
53.98 - 63.5 - 14.29	53.98	63.5	14.29	15.7
54 - 63.5 - 6.8	54	63.5	6.8	7.5
54 - 63.5 - 9.5	54	63.5	9.5	10.5
54 - 66.7 - 9.5	54	66.7	9.5	10.5
54 - 69.9 - 12.7	54	69.9	12.7	14
55 - 63 - 10	55	63	10	11
55 - 65 - 7.3	55	65	7.3	8
55 - 65 - 11	55	65	11	12.1
55 - 70 - 7.5	55	70	7.5	8.2
55 - 70 - 11	55	70	11	12.1
55 - 75 - 14.5	55	75	14.5	16
55.9 - 70.4 - 12.7	55.9	70.4	12.7	14
56 - 66 - 10	56	66	10	11
56 - 71 - 11.4	56	71	11.4	12.5
56 - 76 - 14.6	56	76	14.6	16
57.1 - 72.8 - 12.7	57.1	72.8	12.7	14
57.15 - 66.68 - 9.52	57.15	66.68	9.52	10.5
57.15 - 66.68 - 9.95	57.15	66.68	9.95	11
57.15 - 69.85 - 9.52	57.15	69.85	9.52	10.5
57.15 - 73.05 - 9.52	57.15	73.05	9.52	10.5
57.15 - 76.2 - 9.53	57.15	76.2	9.53	10.5
57.2 - 66.7 - 6.8	57.2	66.7	6.8	7.5
57.2 - 66.7 - 7.9	57.2	66.7	7.9	8.7
57.2 - 66.7 - 9.5	57.2	66.7	9.5	10.5
57.2 - 69.6 - 9.5	57.2	69.6	9.5	10.5
57.2 - 76.2 - 15.9	57.2	76.2	15.9	17.5
60 - 68 - 7	60	68	7	7.7
60 - 68 - 11.4	60	68	114	12.5

B A

规格及沟槽尺寸 specification & groove size

BA

规格	沟槽尺寸 Grooves dimensions			
specification	$Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
60 - 68 - 13	60	68	13	14.5
60 - 70 - 7.3	60	70	7.3	8
60 - 70 - 10.5	60	70	10.5	11.6
60 - 70 - 12	60	70	12	13.2
60 - 72 - 9	60	72	9	9.9
60 - 72 - 10	60	72	10	11
60 - 75 - 11.4	60	75	11.4	12.5
60 - 75 - 13.5	60	75	13.5	14.9
60 - 80 - 12	60	80	12	13.2
60 - 80 - 14	60	80	14	15.4
63 - 73 - 5.5	63	73	5.5	6
63 - 75 - 8.7	63	75	8.7	9.6
63 - 75 - 14	63	75	14	15.5
63 - 78 - 10	63	78	10	11
63 - 78 - 11.4	63	78	11.4	12.5
63 - 83 - 14.5	63	83	14.5	16
63.5 - 73 - 9.5	63.5	73	9.5	10.5
63.5 - 73.03 - 9.52	63.5	73.03	9.52	10.5
63.5 - 76.2 - 6.35	63.5	76.2	6.35	7
63.5 - 76.2 - 6.4	63.5	76.2	6.4	7
63.5 - 76.2 - 9.5	63.5	76.2	9.5	10.5
63.5 - 76.2 - 9.52	63.5	76.2	9.52	10.5
63.5 - 79.4 - 12.7	63.5	79.4	12.7	14
63.5 - 82.55 - 14.29	63.5	82.55	14.29	15.7
63.5 - 82.55 - 15.75	63.5	82.55	15.75	17.5
64 - 80 - 12	64	80	12	13.2
65 - 73 - 7	65	73	7	7.7
65 - 75 - 10	65	75	10	11
65 - 77 - 8.7	65	77	8.7	9.6
65 - 80 - 10	65	80	10	11
65 - 85 - 12	65	85	12	13.2
65 - 85 - 15	65	85	15	16.5
66.68 - 76.2 - 9.53	66.68	76.2	9.53	10.5
66.7 - 76.2 - 6.8	66.7	76.2	6.8	7.5
66.7 - 76.2 - 9.5	66.7	76.2	9.5	10.5
66.7 - 79.4 - 9.5	66.7	79.4	9.5	10.5
68 - 88 - 14	68	88	14	15.5
68 - 88 - 15.	68	88	15	16.5
69.85 - 82.55 - 9.52	69.85	82.55	9.52	10.5
69.85 - 88.9 - 14.29	69.85	88.9	14.29	15.7
69.9 - 82.6 - 9.5	69.9	82.6	9.5	10.5
69.9 - 85.7 - 12.7	69.9	85.7	12.7	14
69.9 - 88.9 - 15.9	69.9	88.9	15.9	17.5
70 - 78 - 10	70	78	10	11
70 - 80 - 11.4	70	80	11.4	12.5
70 - 80 - 11.5	70	80	11.5	12.5
70 - 82 - 8.7	70	82	8.7	9.6
70 - 82 - 9.5	70	82	9.5	10.5
70 - 85 - 9.5	70	85	9.5	10.5
70 - 85 - 11.4	70	85	11.4	12.5

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规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions			
	Ød$^{H9/f8}$	ØD^{H10}	H	$H_A^{+0.3}$
70 - 90 - 12	70	90	12	13.2
70 - 90 - 14.5	70	90	14.5	16
72 - 86 - 12	72	86	12	13.2
73 - 80 - 7	73	80	7	7.7
73 - 82.6 - 6.8	73	82.6	6.8	7.5
73 - 82.6 - 9.5	73	82.6	9.5	10.5
73 - 85.7 - 9.5	73	85.7	9.5	10.5
73 - 88.9 - 11.4	73	88.9	11.4	12.5
75 - 83 - 6.5	75	83	6.5	7.2
75 - 85 - 10.5	75	85	10.5	11.6
75 - 90 - 11.4	75	90	11.4	12.5
76 - 91 - 13	76	91	13	14.2
76.2 - 85.7 - 7.9	76.2	85.7	7.9	8.7
76.2 - 85.7 - 9.5	76.2	85.7	9.5	10.5
76.2 - 88.9 - 9.5	76.2	88.9	9.5	10.5
76.2 - 88.9 - 9.52	76.2	88.9	9.52	10.5
76.2 - 91.2 - 9.5	76.2	91.2	9.5	10.5
76.2 - 91.2 - 12.7	76.2	91.2	12.7	14
76.2 - 92.7 - 12.5	76.2	92.7	12.5	13.7
76.2 - 95.25 - 15.75	76.2	95.25	15.75	17.5
76.2 - 95.3 - 15.9	76.2	95.3	15.9	17.5
76.2 - 101.6 - 15.87	76.2	101.6	15.87	17.5
78 - 86 - 13	78	86	13	14.5
79.4 - 88.9 - 9.5	79.4	88.9	9.5	10.5
79.4 - 92.1 - 9.5	79.4	92.1	9.5	10.5
80 - 88 - 6.5	80	88	6.5	7.2
80 - 90 - 11.4	80	90	11.4	12.5
80 - 92 - 9	80	92	9	9.9
80 - 92 - 9	80	92	9	10
80 - 92.7 - 9.5	80	92.7	9.5	10.5
80 - 95 - 11.4	80	95	11.4	12.5
80 - 100 - 9.5	80	100	9.5	10.5
80 - 100 - 12	80	100	12	13.2
80 - 100 - 13.5	80	100	13.5	14.8
80 - 100 - 15	80	100	15	16.5
81 - 95 - 14.6	81	95	14.6	16
81.3 - 95.8 - 12.7	81.3	95.8	12.7	14
82 - 92 - 10	82	92	10	11
82.55 - 95.25 - 9.52	82.55	95.25	9.52	10.5
82.55 - 95.25 - 9.53	82.55	95.25	9.53	10.5
82.55 - 98.42 - 9.52	82.55	98.42	9.52	10.5
82.55 - 101.6 - 9.52	82.55	101.6	9.52	10.5
82.55 - 101.6 - 12.7	82.55	101.6	12.7	14
82.6 - 95.3 - 9.5	82.6	95.3	9.5	10.5
82.6 - 101.6 - 12.7	82.6	101.6	12.7	14
82.6 - 101.6 - 15.9	82.6	101.6	15.9	17.5
85 - 95 - 9.5	85	95	9.5	10.5
85 - 100 - 9.5	85	100	9.5	10.5
85 - 100 - 12	85	100	12	13.2
85 - 105 - 14.5	85	105	14.5	16

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规格及沟槽尺寸 specification & groove size

BA

规格 specification	沟槽尺寸 Grooves dimensions			
	Ød$^{H9/f8}$	ØD^{H10}	H	$H_A^{+0.3}$
85.7 - 95.3 - 9.5	85.7	95.3	9.5	10.5
85.7 - 101.6 - 12.8	85.7	101.6	12.8	14.1
85.7 - 104.8 - 15.9	85.7	104.8	15.9	17.5
86 - 96 - 12	86	96	12	13.2
88.5 - 108.5 - 15	88.5	108.5	15	16.5
88.9 - 98.4 - 9.5	88.9	98.4	9.5	10.5
88.9 - 101.6 - 9.52	88.9	101.6	9.52	10.5
88.9 - 101.6 - 9.5	88.9	101.6	9.5	10.5
88.9 - 108 - 15.9	88.9	108	15.9	17.5
88.9 - 114.3 - 19.1	88.9	114.3	19.1	21
90 - 100 - 11.4	90	100	11.4	12.5
80 - 105 - 6	90	105	6	6.6
90 - 105 - 11.4	90	105	11.4	12.5
90 - 110 - 2	90	110	12	13.2
90 - 110 - 14.5	90	110	14.5	16
92.1 - 111.1 - 15.9	92.1	111.1	15.9	17.5
94 - 108.5 - 12.7	94	108.5	12.7	14
95 - 105 - 11.4	95	105	11.4	12.5
95 - 110 - 11.4	95	110	11.4	12.5
95.3 - 104.8 - 9.5	95.3	104.8	9.5	10.5
95.3 - 108 - 9.5	95.3	108	9.5	10.5
95.3 - 108 - 14.3	95.3	108	14.3	15.7
95.3 - 114.3 - 12.7	95.3	114.3	12.7	14
95.3 - 114.3 - 15.9	95.3	114.3	15.9	17.5
98.4 - 123.8 - 19.1	98.4	123.8	19.1	21
99 - 110 - 11.4	99	110	11.4	12.5
100 - 108 - 6.5	100	108	6.5	7.2
100 - 108 - 8	100	108	8	8.8
100 - 110 - 11.4	100	110	11.4	12.5
100 - 112 - 14	100	112	14	15.5
100 - 115 - 11.	100	115	11	12.1
100 - 115 - 14.6	100	115	14.6	16
100 - 120 - 12	100	120	12	13.2
100 - 120 - 14.5	100	120	14.5	16
100 - 125 - 18.2	100	125	18.2	20
101.6 - 111.1 - 9.5	101.6	111.1	9.5	10.5
101.6 - 114.3 - 6.35	101.6	114.3	6.35	7
101.6 - 114.3 - 9.5	101.6	114.3	9.5	10.5
101.6 - 114.3 - 9.52	101.6	114.3	9.52	10.5
101.6 - 114.3 - 14.3	101.6	114.3	14.3	15.7
101.6 - 117.5 - 14.3	101.6	117.5	14.3	15.7
101.6 - 120.7 - 15.9	101.6	120.7	15.9	17.5
101.6 - 127 - 19.1	101.6	127	19.1	21
104.8 - 123.8 - 15.9	104.8	123.8	15.9	17.5
105 - 115 - 10	105	115	10	11
105 - 120 - 11.4	105	120	11.4	12.5
105 - 125 - 14.5	105	125	14.5	16
108 - 120.7 - 9.5	108	120.7	9.5	10.5
108 - 120.7 - 14.3	108	120.7	14.3	15.7
108 - 123 - 14.3	108	123	14.3	15.7

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规格及沟槽尺寸 specification & groove size BA

规格 specification	沟槽尺寸 Grooves dimensions Ød H9/f8	ØD H10	H	$H_A^{+0.3}$
108 - 123.8 - 14.3	108	123.8	14.3	15.7
108 - 127 - 15.9	108	127	15.9	17.5
110 - 120 - 10.5	110	120	10.5	11.6
110 - 123 - 18.2	110	123	18.2	20
110 - 125 - 11.4	110	125	11.4	12.5
110 - 130 - 12	110	130	12	13.2
110 - 130 - 14.5	110	130	14.5	16
111.1 - 127 - 12.7	111.1	127	12.7	14
112 - 127 - 9	112	127	9	9.9
114.3 - 127 - 6.35	114.3	127	6.35	7
114.3 - 127 - 9.5	114.3	127	9.5	10.5
114.3 - 127 - 9.53	114.3	127	9.53	10.5
114.3 - 127 - 14.3	114.3	127	14.3	15.7
114.3 - 130.2 - 15.9	114.3	130.2	15.9	17.5
114.3 - 133.35 - 15.88	114.3	133.35	15.88	17.5
114.3 - 133.4 - 15.9	114.3	133.4	15.9	17.5
114.3 - 139.7 - 19.1	114.3	139.7	19.1	21
115 - 125 - 11.4	115	125	11.4	12.5
115 - 130 - 11.4	115	130	11.4	12.5
117.5 - 136.5 - 15.9	117.5	136.5	15.9	17.5
119 - 130 - 11.4	119	130	11.4	12.5
120 - 130 - 11.4	120	130	11.4	12.5
120 - 135 - 11.4	120	135	11.4	12.5
120 - 140 - 15	120	140	15	16.5
120 - 150.5 - 18	120	150.5	18	19.8
120.7 - 133.4 - 9.5	120.7	133.4	9.5	10.5
120.7 - 133.4 - 14.3	120.7	133.4	14.3	15.7
120.7 - 136.5 - 15.9	120.7	136.5	15.9	17.5
120.7 - 139.7 - 15.9	120.7	139.7	15.9	17.5
123.8 - 142.9 - 15.9	123.8	142.9	15.9	17.5
124 - 135 - 11.4	124	135	11.4	12.5
125 - 133 - 6.5	125	133	6.5	7
125 - 135 - 11.4	125	135	11.4	12.5
125 - 140 - 11.4	125	140	11.4	12.5
125 - 145 - 14.5	125	145	14.5	12.5
125 - 145 - 14.5	125	145	14.5	16
125 - 150 - 18.2	125	150	18.2	20
127 - 129.7 - 14.3	127	129.7	14.3	15.7
127 - 139.7 - 9.5	127	139.7	9.5	10.5
127 - 142.9 - 15.9	127	142.9	15.9	17.5
127 - 146.1 - 15.9	127	146.1	15.9	17.5
127 - 152.4 - 19.1	127	152.4	19.1	21
130 - 145 - 9	130	145	9	9.9
130 - 145 - 14.5	130	145	14.5	16
130 - 150 - 14.5	130	150	14.5	16
130 - 150.8 - 18	130	150.8	18	19.8
133.4 - 146.1 - 14.3	133.4	146.1	14.3	15.7
133.4 - 146.1 - 14.4	133.4	146.1	14.4	12.5
133.4 - 152.4 - 15.9	133.4	152.4	15.9	17.5
133.5 - 152.4 - 15.75	133.5	152.4	15.75	17.5

规格及沟槽尺寸 specification & groove size BA

规格 specification	沟槽尺寸 Grooves dimensions Ød H9/f8	ØD H10	H	$H_A^{+0.3}$
135 - 115 - 14.5	135	115	14.5	16
135 - 145 - 14.5	135	148	14.5	12.5
135 - 160 - 18.2	135	160	18.2	20
139 - 150 - 10.5	139	150	10.5	11.5
139.7 - 152.3 - 9.5	139.7	152.3	9.5	10.5
139.7 - 152.4 - 14.3	139.7	152.4	14.3	15.7
139.7 - 152.5 - 14	139.7	152.5	14	15.5
139.7 - 158.8 - 15.9	139.7	158.8	15.9	17.5
139.7 - 165.1 - 19.1	139.7	165.1	19.1	21
140 - 150 - 10.5	140	150	10.5	11.5
140 - 150 - 10.5	140	150	10.5	11.6
140 - 150 - 11.4	140	150	11.4	12.5
140 - 160 - 14.5	140	160	14.5	16
140 - 165 - 18.2	140	165	18.2	20
142.9 - 155.6 - 14.3	142.9	155.6	14.3	15.7
143 - 151 - 13	143	151	13	14.5
145 - 155 - 11.4	145	155	11.4	12.5
145 - 165 - 14.5	145	165	14.5	16
164.1 - 158.8 - 14.3	146.1	158.8	14.3	15.7
146.1 - 165.1 - 15.9	146.1	165.1	15.9	17.5
149.9 - 161.9 - 15.9	149.9	161.9	15.9	17.5
150 - 160 - 11.4	150	160	11.4	12.5
150 - 160 - 12	150	160	12	13.2
150 - 170 - 14.5	150	170	14.5	16
150 - 180 - 15	150	180	15	16.5
152.4 - 165.1 - 11.1	152.4	165.1	11.1	12.2
152.4 - 165.4 - 14.3	152.4	165.1	14.3	15.7
152.4 - 171.5 - 15.9	152.4	171.5	15.9	17.5
152.4 - 177.8 - 19.1	152.4	177.8	19.1	21
154 - 165 - 13	154	165	13	14.5
155 - 165 - 13	155	165	13	14.5
155 - 175 - 15	155	175	15	16.5
158.75 - 177.8 - 15.75	158.75	177.8	15.75	17.5
158.8 - 177.8 - 15.9	158.8	177.8	15.9	17.5
159 - 170 - 13	159	170	13	14.5
160 - 168 - 13	160	168	13	14.5
160 - 170 - 13	160	170	13	14.5
160 - 172 - 14	160	172	14	15.5
160 - 180 - 15	160	180	15	16.5
160 - 185 - 18.2	160	185	18.2	20
160 - 190 - 22.7	160	190	22.7	25
165 - 190 - 18.2	165	190	18.2	20
165.1 - 177.8 - 14.3	165.1	177.8	14.3	15.7
165.1 - 184.2 - 9.5	165.1	184.2	9.5	10.5
165.1 - 184.2 - 12.7	165.1	184.2	12.7	14
165.1 - 190.5 - 19.1	165.1	190.5	19.1	21
170 - 180 - 11.4	170	180	11.4	12.5
170 - 185 - 11.4	170	185	11.4	12.5
170 - 190 - 15	170	190	15	16.5
170 - 195 - 19	170	195	19	21

BA

规格及沟槽尺寸 specification & groove size

BA

规格	沟槽尺寸 Grooves dimensions			
specification	$Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
170 - 200 - 15	170	200	15	16.5
171 - 185 - 13	171	185	13	14.5
171.4 - 184.1 - 14.2	171.4	184.1	14.2	16
171.5 - 184.2 - 9.5	171.5	184.2	9.5	10.5
171.5 - 184.2 - 14.3	171.5	184.2	14.3	15.7
171.5 - 184.2 - 15.9	171.5	187.3	15.9	17.5
172 - 185 - 14.5	172	185	14.5	16
175 - 185 - 11.4	175	185	11.4	12.5
175 - 195 - 15.9	175	195	15.9	17.5
177.8 - 190.5 - 14.3	177.8	190.5	14.3	15.7
177.8 - 196.3 - 12.7	177.8	196.3	12.7	14
177.8 - 196.9 - 15.9	177.8	196.9	15.9	17.5
177.8 - 203.25 - 19.1	177.8	203.25	19.1	21
177.82 - 196.85 - 9.6	177.82	196.85	9.6	10.5
178 - 197 - 9.5	178	197	9.5	10.5
180 - 190 - 11.4	180	190	11.4	12.5
180 - 190 - 12	180	190	12	13.2
180 - 200 - 15	180	200	15	16.5
180 - 205 - 18.2	180	205	18.2	20
180 - 210 - 22.7	180	210	22.7	25
184 - 195 - 15	184	195	15	16.5
184.2 - 203.2 - 15.9	184.2	203.2	15.9	17.5
185 - 195 - 15	185	195	15	16.5
187.3 - 206.4 - 12.7	187.3	206.4	12.7	14
190.5 - 203.2 - 14.3	190.5	203.2	14.3	15.7
196.9 - 215.9 - 12.7	196.9	215.9	12.7	14
200 - 210 - 11.4	200	210	11.4	12.5
200 - 220 - 15	200	220	15	16.5
200 - 220 - 18	200	220	18	19.8
200 - 220 - 19.1	200	220	19.1	21
200 - 225 - 18.2	200	225	18.2	20
200 - 225 - 18.5	200	225	18.5	20.3
200 - 230 - 22.7	200	230	22.7	25
203.2 - 215.9 - 14.3	203.2	215.9	14.3	15.7
203.2 - 222.3 - 15.9	203.2	222.3	15.9	17.5
203.2 - 228.6 - 14.3	203.2	228.6	14.3	15.7
204 - 220 - 16	204	220	16	17.6
205 - 225 - 18.2	205	225	18.2	20
206.4 - 219.1 - 14.3	206.4	219.1	14.3	15.7
209.4 - 225.3 - 14.4	209.4	225.3	14.4	16
209.5 - 222.25 - 14.4	209.5	222.25	14.4	16
210 - 230 - 14.5	210	230	14.5	16
215.9 - 228.6 - 14.3	215.9	228.6	14.3	15.7
215.9 - 235 - 15.9	215.9	235	15.9	17.5
218 - 230 - 9	218	230	9	9.9
220 - 240 - 15	220	240	15	16.5
220 - 250 - 18	220	250	18	19.8
220 - 250 - 15	220	250	15	16.5
220 - 250 - 22.7	220	250	22.7	25
222.3 - 241.3 - 12.7	222.3	241.3	12.7	14

B
A

规格及沟槽尺寸 specification & groove size

BA

规格	沟槽尺寸 Grooves dimensions			
specification	$Ød^{H9/f8}$	$ØD^{H10}$	H	$H_A^{+0.3}$
222.3 - 241.4 - 19.1	222.3	241.4	19.1	21
228.6 - 248.4 - 16	228.6	248.4	16	17.5
230 - 260 - 15	230	260	15	16.5
235 - 260.4 - 19.1	235	260.4	19.1	21
238.1 - 254 - 15.9	238.1	254	15.9	17.5
240 - 260 - 14.5	240	260	14.5	16
250 - 280 - 22.7	250	280	22.7	25
254 - 279.4 - 19.1	254	279.4	19.1	21
254 - 285.4 - 25.4	254	285.4	25.4	28
260.4 - 279.4 - 12.7	260.4	279.4	12.7	14
266.7 - 285.8 - 25.9	266.7	285.8	15.9	17.5
273.1 - 292.1 - 15.9	273.1	292.1	15.9	17.5
279.4 - 304.8 - 19.1	279.4	304.8	19.1	21
280 - 304 - 17.5	280	304	17.5	19.5
280 - 310 - 22.7	280	310	22.7	25
285.8 - 304.8 - 15.9	285.8	304.8	15.9	17.5
290 - 320 - 22.5	290	320	22.5	25
311.2 - 342.9 - 25.4	311.2	342.9	25.4	28
317.5 - 342.9 - 19.1	317.5	342.9	19.1	21
360 - 385 - 20	360	385	20	22
360 - 390 - 22.5	360	390	22.5	25
381 - 406.4 - 19.1	381	406.4	19.1	21
419.1 - 444.5 - 19.1	419.1	444.5	19.1	21
501.7 - 533.4 - 25.4	501.7	533.4	25.4	28

B
A

活塞杆组合密封

Rod compact seal

本产品是把BA和BS的优点集合起来，并增加一道支撑环。

Description:BD rod seal has a secondary sealing lip and a highly extrusion-resistant back-up ring. Due to the secondary lip, additional lubricant is retained in the sealing gap. Thisgreatly prevents dry-run and wear, thus increasing the seal's service life.

It is mainly designed for sealing piston rods and plungers on heavy-duty applications inmobile and stationary hydraulics.

Advantages:

- Unusually high wear resistance
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Low compression set
- Suitable for hardest working conditions
- Sufficient lubrication due to pressure mediumbetween the sealing lips
- Increased sealing performance at zero pressure
- Air penetration from outside is largely prevented
- Easy installation

Technical Data

Operating conditions

Pressure:≤50Mpa

Temperature: -35~+110℃

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

密封件材料为进口PU

硬度90 -95 Shore A

颜色为墨绿色

支撑环：POM 。O型圈：NBR

由于结构特殊，本密封可以替代价格昂贵的串联密封

工作压力：≤50Mpa

工作温度：-35~+110℃

运行速度：≤0.5m/s

介质：液压油

Material

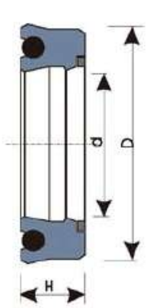
lip seal:PU

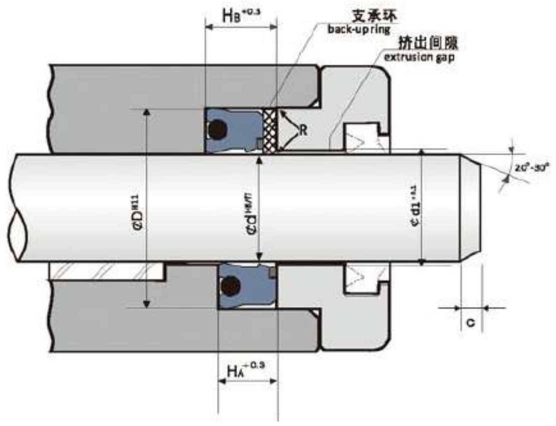
Back-up ring:POM

O-Ring:NBR

Hardness:90-95 Shore A

Color:Turquoise





BD URB

规格及沟槽尺寸　specification & groove size

规格 specification	沟槽尺寸 Grooves dimensions Ød H8/f7	ØD H11	Ød1 +0.1	HA +0.3	HB +0.3
40 - 50 - 7.3	40	50	40.5	8	10
40 - 55 - 11.4	40	55	40.5	12.5	14.5
44.6 - 54.4 - 9.8	44.6	54.4	45.1	10.5	12.5
45 - 53 - 5.6	45	53	45.5	7.2	9.2
45 - 55 - 9	45	55	45.5	10	12
50 - 65 - 11.4	50	65	50.5	12.5	14.5
50.9 - 63.5 - 9.8	50.9	63.5	51.4	10.5	12.5
55 - 70 - 11.4	55	70	55.5	12.5	14.5
56 - 71 - 11.4	56	71	56.5	12.5	14.5
*60 - 75 - 11.4	60	75	60.5	12.5	14.5
63 - 78 - 11.4	63	78	63.5	12.5	14.5
*65 - 80 - 11.4	65	80	65.5	12.5	14.5
*70 - 85 - 11.4	70	85	70.5	12.5	14.5
75 - 90 - 11.4	75	90	75.5	12.5	14.5
*80 - 95 - 11.4	80	95	80.5	12.5	14.5
*85 - 100 - 11.4	85	100	85.5	12.5	14.5
*85 - 100 - 12	85	100	85.5	13	16
90 - 105 - 11.4	90	105	90.5	12.5	14.5
90 - 105 - 13	90	105	90.5	14.5	17.5
95 - 110 - 12	95	110	95.5	13	16
100 - 115 - 12	100	115	100.5	13	16
100 - 120 - 13.5	100	120	100.6	15	18
*100 - 120 - 14.5	100	120	100.6	16	19
105 - 120 - 12	105	120	105.6	13	16
*110 - 130 - 14.5	110	130	110.6	16	19
120 - 140 - 14.5	120	140	120.6	16	19
*125 - 145 - 14.5	125	145	125.6	16	19
130 - 150 - 14.5	130	150	130.6	16	19
140 - 160 - 14.5	140	160	140	16	19
150 - 170 - 14.5	150	170	150.6	16	19
160 - 180 - 14.5	160	180	160.6	16	19
160 - 190 - 22.7	160	190	160.6	25	28
170 - 190 - 14.5	170	190	170.6	16	19
180 - 205 - 18.2	180	205	180.8	20	23
180 - 205 - 18.5	180	205	180.8	20.3	23.3
190 - 215 - 18.2	190	215	190.8	20	23
200 - 230 - 22.7	200	230	200.8	25	28
220 - 250 - 22.7	220	250	220.8	25	28
230 - 260 - 22.7	230	260	230.8	25	28
240 - 270 - 22.7	240	270	240.8	25	28

*表示同一规格具有BD型和URB型两种型号，无标识则只有BD型

* Means this size has BD and URB two type,No * Means only BD

活塞杆组合密封

BU Rod compact seal

本产品是带支撑环的一种活塞杆用密封件。

Description:BU rod seal is a compact seal with an integrated anti-extrusion ring.

A typical application of this seal profile is its use as a buffer seal in sealing systems often found on construction machinery cylinders.

Advantages:

- Unusually high wear resistance
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Low compression set
- Long service life
- Suitable for toughest working conditions
- Easy installation

Technical Data

Operating conditions

Pressure:≤50Mpa

Temperature: -35~+110℃

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

密封件材料为进口PU

硬度90 -95 Shore A

颜色为墨绿色

支撑环材料：POM

抗挤出，耐冲击，寿命长，适应最苛刻的工作条件

主要在高压侧作缓冲密封

工作压力：≤50Mpa

工作温度：-35~+110℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）

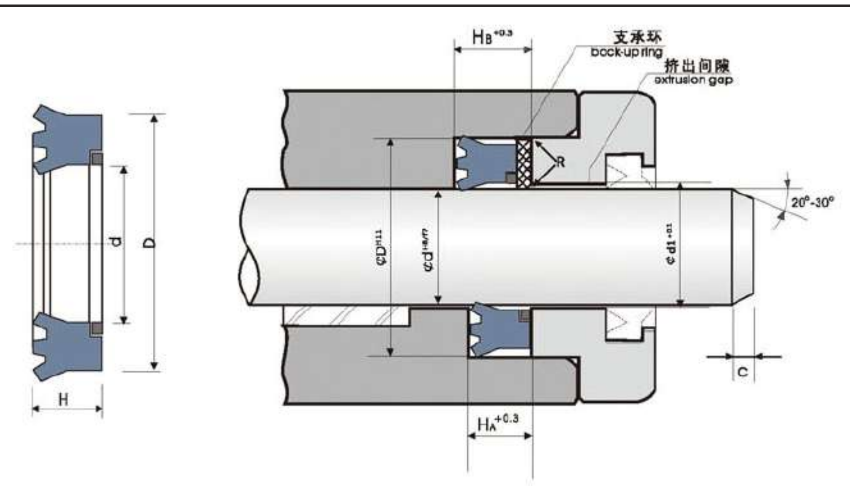
Material

Material: rod seal:PU

Back-up ring: POM

Hardness: 90-95 Shore A

Color: Turquoise



B
U

规格及沟槽尺寸 specification & groove size

BU

规格 specification	沟槽尺寸 Grooves dimensions Ød H8/f7	ØD H11	Ød1 +0.1	HA +0.3	HB +0.3
55 - 70 - 8.5	55	70	55.5	9.5	11.5
56 - 71 - 8.5	56	71	56.5	9.5	11.5
60 - 75 - 6.1	60	75	60.5	6.3	8.3
60 - 75 - 8.5	60	75	60.5	9.5	11.5
63 - 78.1 - 6.1	63	78.1	63.4	6.3	8.3
65 - 80.5 - 6.1	65	80.5	65.4	6.3	8.3
70 - 85 - 8.5	70	85	70.5	9.5	11.5
70 - 85.1 - 6.1	70	85.1	70.5	6.3	8.3
70 - 85.5 - 6.1	70	85.5	70.5	6.3	8.3
75 - 90 - 8.5	75	90	75.5	9.5	11.5
75 - 90.5 - 6.1	75	90.5	85.4	6.3	8.3
80 - 95 - 8.5	80	95	80.5	9.5	11.5
80 - 95.1 - 6.1	80	95.1	80.5	6.3	8.3
80 - 95.5 - 6.1	80	95.5	80.4	6.3	8.3
85 - 100.5 - 6.1	85	100.5	85.4	6.3	8.3
90 - 105 - 8.5	90	105	90.5	9.5	11.5
90 - 105.5 - 6.1	90	105.5	90.4	6.3	8.3
95 - 110.5 - 6.1	95	110.5	95.4	6.3	8.3
100 - 115.5 - 6.1	100	115.5	100.4	6.3	8.3
100 - 120 - 11.4	100	120	100.6	12.5	15.3
110 - 125.5 - 6.1	110	125.5	110.4	6.3	8.3
110 - 130 - 11.4	110	130	110.6	12.5	15.5
120 - 140 - 11.4	120	140	120.6	12.5	15.5
130 - 150 - 14.5	130	150	130.6	16	19
140 - 160 - 14.5	140	160	140.6	16	19
150 - 160 - 14.5	150	160	150.6	16	19
150 - 170 - 14.5	150	170	150.6	16	19
160 - 180 - 14.5	160	180	160.6	16	19
180 - 205 - 14.5	180	205	180.8	16	19
200 - 225 - 14.5	200	225	200.8	16	19
220 - 250 - 18.2	220	250	220.8	20	23
250 - 280 - 18.2	250	280	250.8	20	23

B
U

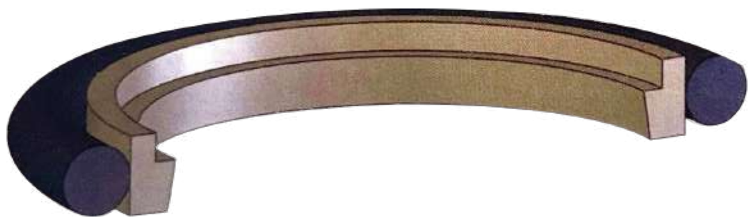
活塞杆组合密封

BSJ Step Seal

本产品是由一个密封环和一个O型圈组合而成的一种活塞杆用密封件。

Description: BSJ rod seal consists of a single actng seal element and an energized O-Ring.

Optimum sealing characteristics will be achieved by installing BSJ together with a double acting wiper (for example, DHS).



Advantages:

- High static and dynamic sealing effect
- High resistance against extrusion
- Low friction, high efficiency
- Stick-slip free starting,no sticking
- High abrasion resistance, high operational reliabiity
- Wide range of application temperatures and highresistance to chemicals, depending on the choice of O-Ring material
- Easy installation

Technical Data

Operating conditions

Pressure:≤50Mpa

Temperature: -35~+110℃

(Depending on O-Ring Material)

Speed:≤0.5m/s

Media:Hydraulic oils (mineral oil-based)

密封圈材料：PTFE＋BRONZE

O型圈：NBR.FKM

耐磨性能好，启动摩擦系数小，无爬行现象，

抗挤出，耐冲击，耐高温，较易安装

极好的密封效果

工作压力：≤50Mpa

工作温度：-35～＋200℃（取决于O型圈材质）

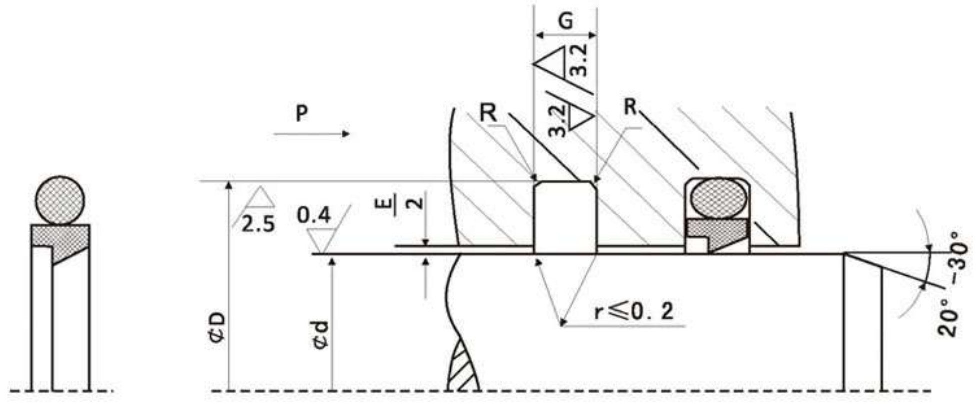
运行速度：≤5m／s

介质：几乎所有介质

Material

Material:Slipper seal:PTEF+BRONZE

O-Ring:NBR/FKM



规格及沟槽尺寸 specification & groove size

BSJ

规格	沟槽尺寸 Grooves dimensions					
	Ød	ØD	G	R	E	
Serial No:	f8/h9	H9	+0.2	max	0--20 Mpa	20--40 Mpa
BSJ 004	4	8.9	2.2	0.3	0.4-0.2	0.2-0.1
BSJ 005	5	9.9	2.2	0.3	0.4-0.2	0.2-0.1
BSJ 006	6	10.9	2.2	0.3	0.4-0.2	0.2-0.1
BSJ 007	7	11.9	2.2	0.3	0.4-0.2	0.2-0.1
BSJ 008	8	15.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 009	9	16.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 010	10	17.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 012	12	19.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 014	14	21.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 015	15	22.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 016	16	23.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 018	18	25.3	3.2	0.5	0.6-0.3	0.3-0.1
BSJ 019	19	29.7	4.2	0.5	0.6-0.3	0.3-0.1
BSJ 020	20	30.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 022	22	32.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 025	25	35.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 028	28	38.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 030	30	40.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 032	32	42.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 035	35	45.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 036	36	46.7	4.2	0.7	0.6-0.3	0.3-0.2
BSJ 038	38	53.1	6.3	0.7	0.6-0.3	0.3-0.2
BSJ 040	40	55.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 042	42	57.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 045	45	60.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 050	50	65.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 055	55	70.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 056	56	71.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 060	60	75.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 063	63	78.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 065	65	80.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 070	70	85.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 075	75	90.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 080	80	95.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 085	85	100.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 090	90	105.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 095	95	110.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 100	100	115.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 105	105	120.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 110	110	125.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 115	115	130.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 120	120	135.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 125	125	140.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 130	130	145.1	6,3	1.2	0.8-0.4	0.4-0.2
BSJ 135	135	150.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 140	140	155.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 145	145	160.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 150	150	165.1	6.3	1.2	0.8-0.4	0.4-0.2
BSJ 155	155	170.1	6.3	1.2	0.8-0.4	0.4-0.2

规格及沟槽尺寸 specification & groove size

BSJ

规格	沟槽尺寸 Grooves dimensions					
	Ød	ØD	G	R	E	
Serial No:	f8/h9	H9	+0.2	max	0 -- 20 Mpa	20 -- 40 Mpa
BSJ 160	160	175.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 165	165	180.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 170	170	185.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 175	175	190.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 180	180	195.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 185	185	200.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 190	190	205.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 195	195	210.1	6.3	1.2	0.8*0.4	0.4*0.2
BSJ 200	200	220.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 205	205	225.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 210	210	230.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 215	215	235.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 220	220	240.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 225	225	245.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 230	230	250.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 235	235	255.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 240	240	260.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 245	245	265.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 250	250	270.5	8.1	1.5	1*0.6	0.6*0.4
BSJ 255	255	275	8.1	1.5	1*0.6	0.6*0.4
BSJ 256	256	276	8.1	1.5	1*0.6	0.6*0.4
BSJ 260	260	284	8.1	1.5	1*0.6	0.6*0.4
BSJ 265	265	289	8.1	1.5	1*0.6	0.6*0.4
BSJ 270	270	294	8.1	1.5	1*0.6	0.6*0.4
BSJ 275	275	299	8.1	1.5	1*0.6	0.6*0.4
BSJ 280	280	304	8.1	1.5	1*0.6	0.6*0.4
BSJ 285	285	309	8.1	1.5	1*0.6	0.6*0.4
BSJ 290	290	314	8.1	1.5	1*0.6	0.6*0.4
BSJ 295	295	319	8.1	1.5	1*0.6	0.6*0.4
BSJ 300	300	324	8.1	1.5	1*0.6	0.6*0.4
BSJ 310	310	334	8.1	1.5	1*0.6	0.6*0.4
BSJ 320	320	344	8.1	1.5	1*0.6	0.6*0.4
BSJ 330	330	354	8.1	1.5	1*0.6	0.6*0.4
BSJ 340	340	364	8.1	1.5	1*0.6	0.6*0.4
BSJ 350	350	374	8.1	1.5	1*0.6	0.6*0.4
BSJ 360	360	384	8.1	1.5	1*0.6	0.6*0.4
BSJ 370	370	394	8.1	1.5	1*0.6	0.6*0.4
BSJ 380	380	404	8.1	1.5	1*0.6	0.6*0.4
BSJ 390	390	414	8.1	1.5	1*0.6	0.6*0.4
BSJ 400	400	424	8.1	1.5	1*0.6	0.6*0.4
BSJ 410	410	434	8.1	1.5	1*0.6	0.6*0.4
BSJ 420	420	444	8.1	1.5	1*0.6	0.6*0.4
BSJ 430	430	454	8.1	1.5	1*0.6	0.6*0.4
BSJ 440	440	464	8.1	1.5	1*0.6	0.6*0.4
BSJ 450	450	474	8.1	1.5	1*0.6	0.6*0.4
BSJ 460	460	484	8.1	1.5	1*0.6	0.6*0.4

活塞杆组合密封

BSK Rod compact seal

本产品是由一个密封环和一个O型圈组合而成的一种活塞杆用密封件。

Description: BSK rod seal consists of a single acting seal element and an energized O-Ring.
Optimum sealing characteristics will be achieved by installing BSJ together with a double acting wiper (for example, DHS).

Advantages:

- High static and dynamic sealing effect
- High resistance against extrusion
- Low friction, high efficiency
- Stick-slip free starting, no sticking
- High abrasion resistance,high operational reliability
- Wide range of application temperatures and highresistance to chemicals, depending on the choice ofO-Ring material
- Easy installation

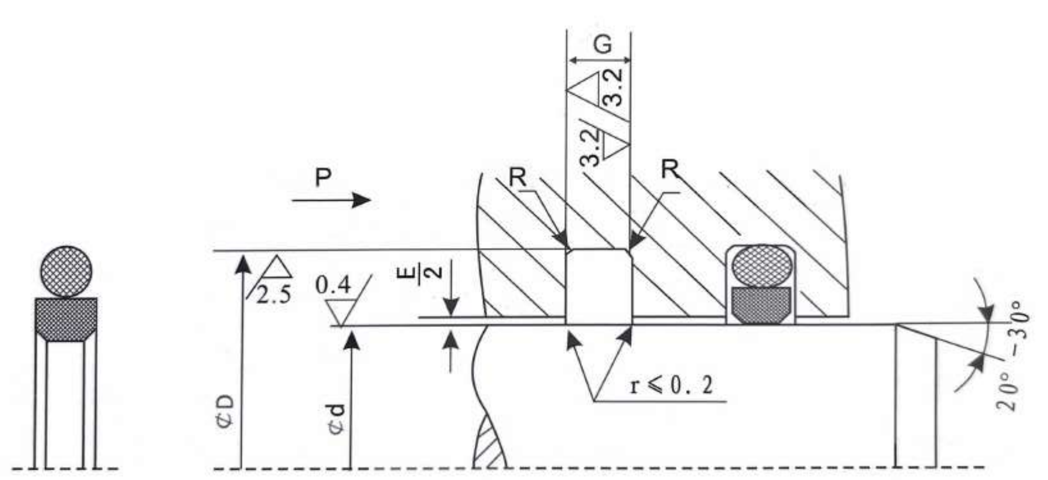
Technical Data

Operating conditions
Pressure:≤50Mpa
Temperature:-35~+200℃
(Depending on O-Ring Material)
Speed:≤5m/s
Media:almost all media

密封圈材料：PTFE＋BRONZE，O型圈：NBR.FKM
耐磨性能好，启动摩擦系数小，无爬行现象，抗挤出，耐冲击，耐高温，较易安装
此密封与双作用防尘圈（如DHS）配用，将取得极好的密封效果
工作压力：≤50Mpa
工作温度：-35～＋200℃（取决于O型圈材质）
运行速度：≤5m／s
介质：几乎所有介质

Material

Material: Slipper seal: PTFE+BRONZE
O-Ring:NBR/FKM



规格及沟槽尺寸 specification & groove size

BSK

规格	沟槽尺寸 Grooves dimensions					
	Ød	ØD	G	R	E	
Serial No:	f8/h9	H9	+0.2	max	0 -- 20 Mpa	20 -- 40 Mpa
BSK 004	4	8.9	2.2	0.3	0.4 - 0.2	0.2 - 0.1
BSK 005	5	9.9	2.2	0.3	0.4 - 0.2	0.2 - 0.1
BSK 006	6	10.9	2.2	0.3	0.4 - 0.2	0.2 - 0.1
BSK 008	8	15.3	3.2	0.5	0.6 - 0.3	0.2 - 0.1
BSK 010	10	17.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 012	12	19.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 014	14	21.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 015	15	22.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 016	16	23.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 018	18	25.3	3.2	0.5	0.6 - 0.3	0.3 - 0.1
BSK 019	19	29.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 020	20	30.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 022	22	32.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 025	25	35.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 028	28	38.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 030	30	40.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 032	32	42.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 035	35	45.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 036	36	46.7	4.2	0.7	0.6 - 0.3	0.3 - 0.2
BSK 038	38	53.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 040	40	55.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 042	42	57.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 045	45	60.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 050	50	65.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 055	55	70.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 056	56	71.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 060	60	75.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 063	63	78.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 065	65	80.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 070	70	85.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 075	75	90.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 080	80	95.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 085	85	100.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 090	90	105.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 095	95	110.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 100	100	115.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 105	105	120.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 110	110	125.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 115	115	130.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 120	120	135.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 125	125	140.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 130	130	145.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 140	140	155.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 145	145	160.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 150	150	165.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 160	160	175.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 165	165	180.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 170	170	185.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 180	180	195.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2

BSK

规格及沟槽尺寸 specification & groove size

BSK

规格	沟槽尺寸 Grooves dimensions					
	Ød	ØD	G	R	E	
Serial No:	f8/h9	H9	+0.2	max	0 -- 20 Mpa	20 -- 40 Mpa
BSK 190	190	205.1	6.3	1.2	0.8 - 0.4	0.4 - 0.2
BSK 200	200	220.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 210	210	230.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 220	220	240.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 230	230	250.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 240	240	260.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 250	250	270.5	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 260	260	284	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 270	270	294	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 280	280	304	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 290	290	314	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 300	300	324	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 310	310	334	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 320	320	344	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 340	340	364	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 350	350	374	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 360	360	384	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 370	370	394	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 380	380	404	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 390	390	414	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 400	400	424	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 410	410	434	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 420	420	444	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 430	430	454	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 440	440	464	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 450	450	474	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 460	460	484	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 470	470	494	8.1	1.5	1 - 0.6	0.6 - 0.4
BS K 480	480	504	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 490	490	514	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 500	500	524	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 510	510	534	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 520	520	544	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 530	530	554	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 540	540	564	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 550	550	574	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 560	560	584	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 580	580	604	8.1	1.5	1 - 0.6	0.6 - 0.4
BSK 600	600	624	8.1	1.5	1 - 0.6	0.6 - 0.4

BSK

活塞杆组合密封
SPN Rod compact seal

本产品是由一个密封环和一个橡胶方形圈组合成的活塞杆专用密封件。

Description:The double actingSPGGlyd-Ring is a combination of a slipper seal and an energizing square-Ring.

Advantages:

- High static and dynamic sealing effect
- High resistance against extrusion
- Low friction,high efficiency
- Stick-slip free starting,no sticking
- High abrasion resistance, high operational reliability
- Wide range of application temperatures and high O-Ring material
- Easy installation

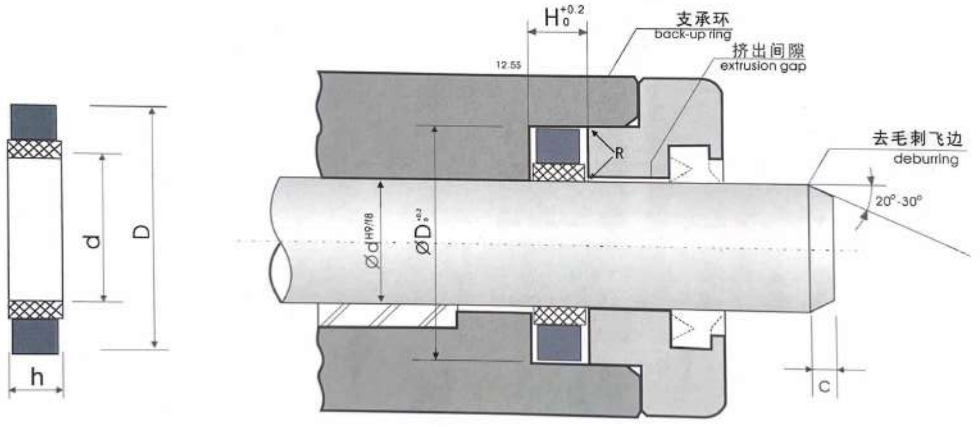
Technical Data

Operating conditions
Pressure:≤50Mpa
Temperature:-35~+200℃
Speed:≤5m/s
Media: almost all media

密封圈材料：PTFE＋BRONZE，方型圈：NBR，FKM
耐磨性能好，启动摩擦系数小，无爬行现象，抗挤出，耐冲击，耐高温，较易安装
工作压力：≤50Mpa
工作温度：-35～＋200℃（取决于方形圈材质）
运行速度：≤5m／s
介质：几乎所有介质

Material

Material:Slipper seal:PTFE +BRONZE
Square Ring:NBR/FKM



规格及沟槽尺寸　specification & groove size　SPN

规格	沟槽尺寸　Grooves dimensions			
specification	$Ød^{H9/f8}$	$ØD^{+0.2}$	$H^{+0.2}$	C
18－27－4.3	18	27	4.5	3.5
20－29－4.3	20	29	4.5	3.5
22－31－4.3	22	31	4.5	3.5
27－36－4.3	27	36	4.5	4
31.5－40.5－4.3	31.5	40.5	4.5	4
47－60－7.3	47	60	7.5	4
53－66－7.3	53	66	7.5	4
60－73－7.3	60	73	7.5	4
65－78－7.3	65	78	7.5	5
70－83－7.3	70	83	7.5	5
75－83－7.3	75	88	7.5	5
80－93－7.3	80	93	7.5	5
90－103.4－7.3	90	103.4	7.5	5
100－113.4－7.3	100	113.4	7.5	5
105－118.4－7.3	105	118.4	7.5	5
110－123.4－7.3	110	123.4	7.5	5
120－133.4－7.3	120	133.4	7.5	5
130－143.4－7.3	130	143.4	7.5	6.5
140－153.4－7.3	140	153.4	7.5	6.5

活塞杆组合密封

MGM Rod compact seal

MGM型单向活塞杆密封，适用于重型液压缸。

Description:single acting rod seal

Advantages:

- Good sealing effect, also suitable for holding cylinders
- Insensibility against shock loads and pressure peaks
- High resistance against extrusion
- Capable of installation in closed grooves for reducedmachining costs
- Economic sealing and guiding solution
- Easy installation

Technical Data

Operating conditions

Pressure:≤40Mpa

Temperature:-35~+110℃

Speed:Maximum reciprocating speed

Media: Mineral oil-based hydraulic fluids,flame retardant hydraulic fluids

Material

Material: Profile seal: NBR

Back-up Ring:PU

Guide rings: POM

密封组由两部分组成：

a）密封体：优质80度NBR材质

b）垫片：聚氨酯PU

c）挡圈：聚甲醛

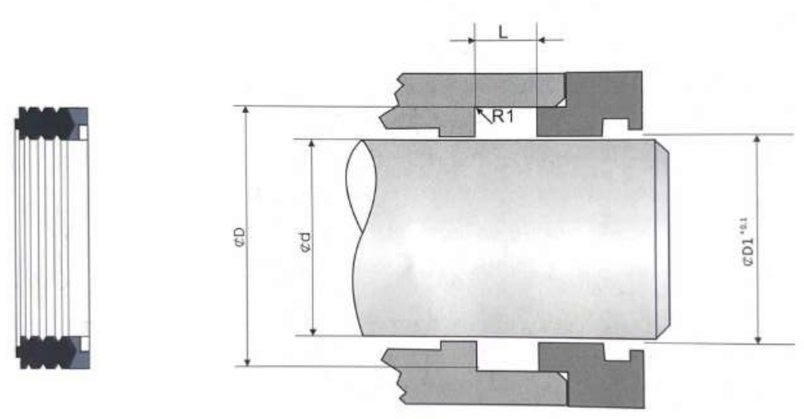
为了便于更换，以上密封可提供开口的。切口经过专门设计，将漏油可能性降至最低

使用条件：

温度：-35～+110℃

压力：≤40Mpa

速度：≤0.5/秒



规格及沟槽尺寸　specification & groove size

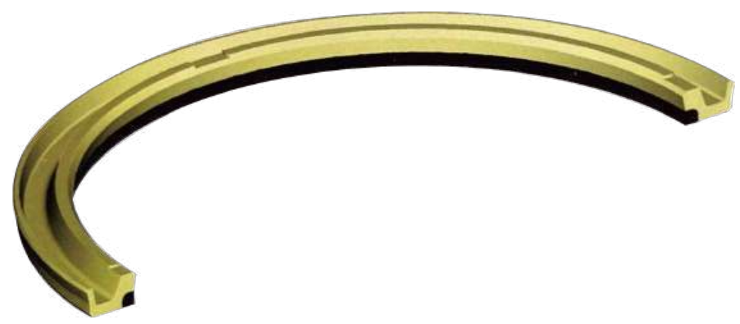
MGM

规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{h9}$	$ØD^{H10}$	$L^{+0.4}$	$ØD1^{+01}$	R1
30-43-20	30	43	20	30.4	0.4
40-55-22.5	40	55	22.5	40.4	0.8
50-65-22.5	50	65	22.5	50.4	0.8
60-75-22.5	60	75	22.5	60.4	0.8
110-95-22.5	110	95	22.5	100.4	0.8

缓冲环

HBY Buffer seal

本产品与活塞杆密封件结合使用，以吸收高负荷下的冲击和波动后力，隔绝高温流体，提高密封件的耐用性。



Advantages:

- Unusually high wear resistance
- Insensibility against shock loadsand pressure peaks
- High resistance against extrusion
- Low compression set
- Suitable for hardest working conditions
- Perfect sealing performance under lowpressure even O-pressure
- Easy installation

Technical Data

Operating conditions

Pressure:≤40Mpa

Temperature:-35~+110℃

Speed:≤0.5m/s

Media: Hydraulic oils (mineral oil-based)

Material

Lip seal:PU back up ring:Nylon

Hardness: 95 Shore A

Color: Blue/Ivory

密封件使用材料为进口PU

硬度90--95 Shore A，颜色蓝色、淡黄色

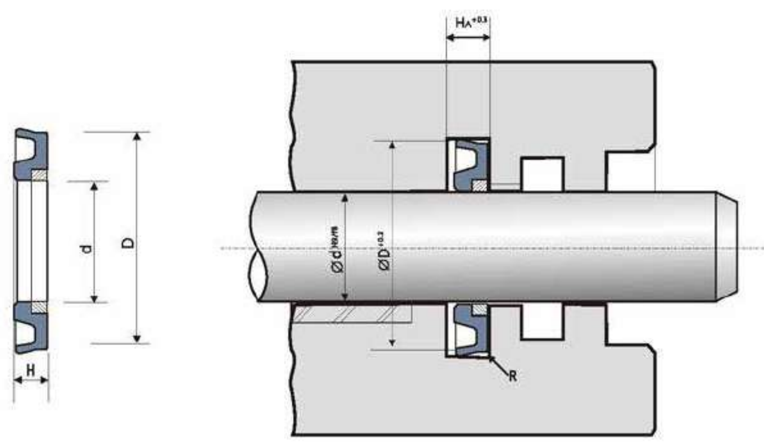
对动载和峰值压力不敏感，在无载和低压下有理想的密封性能

工作压力：≤40Mpa

工作温度：-35~ +110℃

运行速度：≤0.5m / s

介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

HBY

规格	沟槽尺寸 Grooves dimensions			
specification	Ød $^{H9/f8}$	ØD $^{+0.2}$	H	HA $^{+0.3}$
40 - 55.5 - 6	40	55.5	6	6.3
45 - 60.5 - 6	45	60.5	6	6.3
50 - 65.5 - 6	50	65.5	6	6.3
55 - 70.5 - 6	55	70.5	6	6.3
60 - 75.5 - 6	60	75.5	6	6.3
63 - 78.5 - 6	63	78.5	6	6.3
65 - 80.5 - 6	65	80.5	6	6.3
70 - 85.5 - 6	70	85.5	6	6.3
75 - 90.5 - 6	75	90.5	6	6.3
80 - 95.5 - 6	80	95.5	6	6.3
85 - 100.5 - 6	85	100.5	6	6.3
90 - 105.5 - 6	90	105.5	6	6.3
95 - 110.5 - 6	95	110.5	6	6.3
100 - 115.5 - 6	100	115.5	6	6.3
105 - 120.5 - 6	105	120.5	6	6.3
110 - 125.5 - 6	110	125.5	6	6.3
115 - 130.5 - 6	115	130.5	6	6.3
120 - 135.5 - 6	120	135.5	6	6.3
125 - 140.5 - 6	125	140.5	6	6.3
130 - 145.5 - 6	130	145.5	6	6.3
132 - 147.5 - 6	132	147.5	6	6.3
135 - 150.5 - 6	135	150.5	6	6.3
140 - 155.5 - 6	140	155.5	6	6.3
145 - 160.5 - 6	145	160.5	6	6.3
150 - 165.5 - 6	150	165.5	6	6.3
155 - 170.5 - 6	155	170.5	6	6.3
160 - 175.5 - 6	160	175.5	6	6.3
170 - 185.5 - 6	170	185.5	6	6.3
180 - 195.5 - 6	180	195.5	6	6.3
190 - 205.5 - 6	190	205.5	6	6.3
200 - 221 - 7.7	200	221	7.7	8
210 - 231 - 7.7	210	231	7.7	8

HBY

HBY

活塞杆旋转密封

ROI Rod rotary seal

本产品是旋转压力密封，应用于液压回转接头。是高性能的聚氨酯制成，安装方便，并具有极高的密封性能。

Advantages:
- High resistance against extrusion
- Insensibility against shock loads and pressure peaks
- Low compression set
- Easy installation

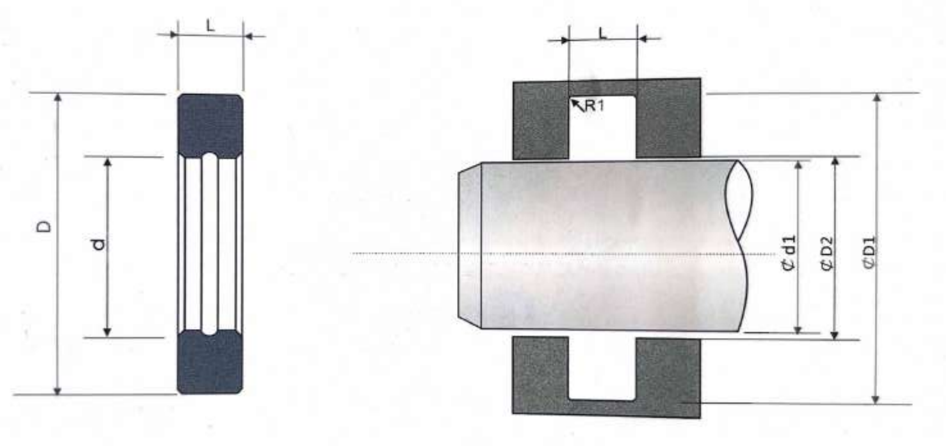
Technical Data

Operating conditions
Pressure:≤40Mpa
Temperature:-35~+110℃
Speed:≤0.5m/s
Media: Hydraulic oils (mineral oil-based)

Material

Material:PU
Hardness:90-95 Shore A
Color: Red/Yellow

使用材料为进口PU
硬度90--95Shore A
颜色为红色，黄色
耐磨性能好，耐冲击，压缩变形，较易安装
工作压力：≤40Mpa
工作温度：-35～+100℃
运行速度：≤0.5m / s
介质：液压油（矿物油基）



规格及沟槽尺寸 specification & groove size

ROI

规格	沟槽尺寸 Grooves dimensions		
specification	d	D	L
60-70-4.8	65	75	4.8
70-80-4.8	70	80	4.8
75-85-4.8	75	85	4.8
80-90-4.8	80	90	4.8
90-100-4.8	90	100	4.8
95-105-4.8	95	105	4.8
100-110-4.8	100	110	4.8
110-120-4.8	110	120	4.8
115-125-4.8	115	125	4.8
130-140-4.8	130	140	4.8

防尘圈

DHS Wiper

本产品是在沟槽中作紧密配合安装的一种用于液压油缸活塞杆的唇形防尘密封件。

Description:DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:

- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material:PU

Hardness:90-95 ShoreA

Color: Blue/Green

使用材料为进口PU

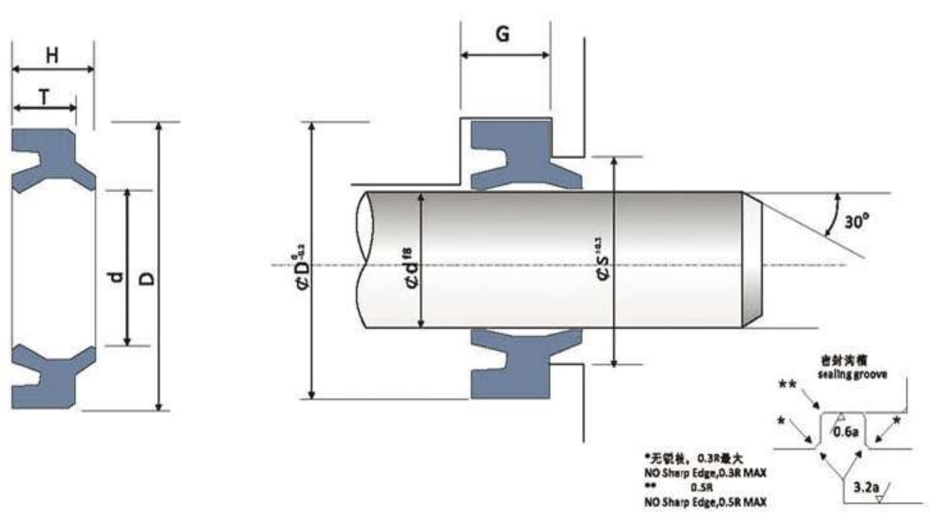
硬度约90--95 Shore A

颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35～+100℃

运行速度：≤1m/s



规格及沟槽尺寸 specification & groove size

DHS

规格 specificaton	沟槽尺寸 Grooves dimensions $Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØS^{\pm0.1}$	$G^{+0.3}$
9-14-3.5/5	9	14	11.6	4
10-15-3.8/6.4	10	15	12.6	4.3
10-20-4/8	10	20	15	4.5
11.2-19.2-4.5/6*	11.2	19.2	15.5	5
12-16-3/4	12	16	14	3.5
12-17-3.2/4.2	12	17	14.6	3.7
12-18-2.5/5	12	18	15.3	3
12-18-3.6/4.8	12	18	15.3	4.1
12-18-3.8/4.8	12	18	15.3	4.3
12-18-3.8/6.4	12	18	15.3	4.3
12-18-3.9/6	12	18	15.3	4.4
12-20-4.5/6*	12	20	16.3	5
12.5-20.5-4.5/6*	12.5	20.5	16.8	5
13-20-5/6.5	13	20	16.5	6
14-22-4.5/6*	14	22	18.3	5
16-22-3.6/4.8	16	22	19.3	4.1
16-22-8/10	16	22	19.3	9
16-24-4.5/6	16	24	20.3	5
16-26-7/9.5	16	26	21	8
18-24-3.6/4.8	18	24	21.3	4.1
18-26-4.5/6*	18	26	22.3	5
18-28-4/8	18	28	23	4.5
18.5-26-3.2/4	18.5	26	22.8	3.7
19-27-4.5/6*	19	27	23.3	5
19.05-29.05-5.3/7	19.05	29.05	24.05	6.3
20-26-3/6	20	26	23.3	3.5
20-26-3.6/4.8	20	26	23.3	4.1
20-26-3.6/5	20	26	23.3	4.1
20-26-6/8	20	26	23.3	7
20-28-4.5/6	20	28	24.3	5
20-28-5/6.5	20	28	24.3	6
20-30-7/10	20	30	25	8
20-32-5/10	20	32	26	6
22-30-4.5/6*	22	30	26.3	5
22-33.8-2.5/3.5	22	33.8	27.9	3
22.4-30.4-4.5/6*	22.4	30.4	26.7	5
23.5-31.5-4.5/6*	23.5	31.5	27.8	5
24-32-4.5/6	24	32	28.3	5
25-30-4.5/6	25	30	27.6	5
25-31-3.6/5	25	31	28.3	4.1
25-31-4/6	25	31	28.3	4.5
25-33-4.5/6	25	33	29.3	5
25-35-5.3/7	25	35	29.3	6.3
25-36.8-5/8	25	36.8	31.5	6
26-34-4.5/6	26	34	30.3	5
27-35-4.5/6*	27	35	31.3	5
28-36-4.5/6*	28	36	32.3	5
28-36-4/7	28	36	32.3	4.5
28-39.8-4.5/6	28	39.8	34.5	5
28-40-5/10	28	40	34.5	6

规格及沟槽尺寸 specification & groove size

DHS

规格	沟槽尺寸 Grooves dimensions			
specificaton	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØS^{\pm0.1}$	$G^{+0.3}$
29 - 40 - 4.5/6.5	29	40	35	5
30 - 38 - 4/7	30	38	34	4.5
30 - 38 - 4.5/5.8	30	38	34	5
30 - 38 - 4.5/6	30	38	34	5
30 - 38 - 5/6.5 *	30	38	34	6
30 - 40 - 5/6.5	30	40	35	6
31.5 - 39.5 - 5/6.5	31.5	39.5	35.5	6
31.75 - 41.28 - 5.5/7.5	31.75	41.28	36.75	6.5
32 - 40 - 4.5/5.8	32	40	36	5
32 - 40 - 5/6.5	32	40	36	6
32 - 40 - 5/7.5	32	40	36	6
32 - 41 - 6/9	32	41	37	7
32 - 43.8 - 5/6.5	32	43.8	37.9	6
34.925 - 44.45 - 3.5/4.76	34.925	44.45	38.925	4
35 - 43 - 4/7	35	43	39	4.5
35 - 43 - 4.5/6	35	43	39	5
35 - 43 - 5/5.6 *	35	43	39	6
35 - 43 - 5/6.5 *	35	43	39	6
35 - 43 - 5/7	35	43	39	6
35 - 45 - 4.6/8	35	45	40	5.1
35 - 45 - 5/10	35	45	40	6
35 - 45 - 8/12	35	45	40	9
35.5 - 43.5 - 5/6.5 *	35.5	43.5	39.5	6
36 - 44 - 4.5/5.8	36	44	40	5
38 - 46 - 5/6.5 *	38	46	42	6
38.1 - 47.625 - 5.5/7.5	38.1	47.625	42.1	6.5
40 - 30 - 7/10	40	30	45	8
40 - 48 - 4.5/5.8	40	48	44	5
40 - 48 - 4.5/6 *	40	48	44	5
40 - 48 - 5/6.5 *	40	48	44	6
40 - 48 - 5/7.5	40	48	44	6
40 - 48 - 6.5/11	40	48	44	7.5
40 - 48 - 7/10	40	48	44	8
43 - 51 - 5/6.5 *	43	51	47	6
44.5 - 54 - 5.5/7.3	44.5	54	48.5	6.5
45 - 53 - 4.5/5.8	45	53	49	5
45 - 53 - 4.5/7	45	53	49	5
45 - 53 - 5/6.5 *	45	53	49	6
45 - 54 - 5/6.5	45	54	49	6
45 - 55 - 5/6.8	45	55	50	6
45 - 57 - 7/10	45	57	51	8
47 - 57 - 7/10	47	57	52	8
48 - 56 - 5/6.5 *	48	56	52	6
48 - 65 - 5/6.5 *	48	65	57	6
48 - 65 - 6.5/11	48	65	57	7.5
50 - 58 - 4.5/6	50	58	54	5
50 - 58 - 5/6.5 *	50	58	54	6
50 - 58 - 5/7	50	58	54	6
50 - 58 - 5.8/8	50	58	54	6.8
50 - 58 - 7/10	50	58	54	8

规格及沟槽尺寸 specification & groove size

DHS

规格	沟槽尺寸 Grooves dimensions			
specificaton	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØS^{\pm0.1}$	$G^{+0.3}$
50 - 63.5 - 7/10	50	63.5	57	8
50.8 - 60.38 - 5.5/7.2	50.8	60.38	55.8	6.5
51 - 60 - 5.5/7.5	51	60	55.5	6.5
53 - 61 - 5/6.5 *	53	61	57	6
53 - 61 - 5/7	53	61	57	6
55 - 63 - 5/6.5 *	55	63	59	6
55 - 65 - 5/8	55	65	60	6
55 - 65 - 6/8	55	65	60	7
56 - 64 - 5/6.5	56	64	60	6
58 - 66 - 5/6.5	58	66	62	6
60 - 68 - 5/6.5 *	60	68	64	6
60 - 70 - 5.3/7.3	60	70	65	6.3
60 - 70 - 6/8	60	70	65	7
60 - 73 - 7/10	60	73	67	8
63 - 71 - 5/6.5 *	63	71	67	6
65 - 73 - 5/6.5 *	65	73	69	6
66 - 74 - 4.5/6.5	66	74	70	5
67 - 75 - 5/6.5 *	67	75	71	6
68 - 81 - 6.5/11	68	81	75	7.5
70 - 78 - 4/7	70	78	74	4.5
70 - 79 - 7/10	70	79	75	8
70 - 80 - 5/8 *	70	80	75	6
70 - 80 - 6/8 *	70	80	75	7
71 - 81 - 6/8 *	71	81	76	7
75 - 85 - 6/8 *	75	85	80	7
80 - 88 - 4/7	80	88	84	4.5
80 - 90 - 5/8	80	90	85	6
80 - 90 - 6/8 *	80	90	85	7
80 - 93 - 7/10	80	93	87	8
82.55 - 95.25 - 6.35/9.35	82.55	95.25	89.55	7.35
84 - 99 - 6.5/11	84	99	92	7.5
85 - 95 - 6/8 *	85	95	90	7
85 - 98 - 6/9	85	98	92	7
86 - 97.5 - 7/10	86	97.5	92	8
90 - 98 - 5/8	90	98	94	6
90 - 100 - 6/8 *	90	100	95	7
92 - 105 - 7/10 *	92	105	99	8
95 - 105 - 6/8 *	95	105	100	7
98 - 108 - 6/8 *	98	108	103	7
98 - 113 - 6/9	98	113	106	7
100 - 110 - 6/8 *	100	110	105	7
100 - 112 - 7/11	100	112	106.5	8
100 - 112 - 8/10	100	112	106.5	9
100 - 115 - 6/8.5	100	115	108	7
101.6 - 114.3 - 7/10	101.6	114.3	108.5	8
105 - 115 - 6/8 *	105	115	110	7
105 - 118 - 6/8	105	118	112	7
110 - 120 - 6/8 *	110	120	115	7
110 - 123 - 6/9	110	123	117	7
110 - 125 - 6/9 *	110	125	118	7

规格及沟槽尺寸 specification & groove size

DHS

规格	沟槽尺寸 Grooves dimensions			
specificaton	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØS^{\pm0.1}$	$G^{+0.3}$
112 - 122 - 6/8 *	112	122	117	7
115 - 125 - 6/8 *	115	125	120	7
118 - 128 - 6/8 *	118	128	123	7
120 - 130 - 6/8 *	120	130	125	7
120 - 132.2 - 7.2/12	120	132.2	127	8.2
124 - 139 - 6/9	124	139	132	7
125 - 135 - 6/8	125	135	130	7
125 - 137 - 8/10	125	137	131.5	9
125 - 138 - 7/9.5 *	125	138	132	8
125 - 139.5 - 8.5/12	125	139.5	133	9.5
125 - 140 - 6/8.5 *	125	140	133	7
130 - 140 - 7/9.5	130	140	135	8
130 - 143 - 7/9.5 *	130	143	137	8
135 - 148 - 6/9	135	148	142	7
136 - 149 - 7/9.5 *	136	149	143	8
140 - 150 - 7/9.5	140	150	145	8
140 - 153 - 7/9.5 *	140	153	147	8
140 - 160 - 8/16	140	160	151	9
145 - 158 - 7/9.5 *	145	158	152	8
149 - 164 - 6/9	149	164	157	7
150 - 161 - 7/9.5	150	164	156	8
150 - 162 - 8/10	150	162	156.5	9
150 - 164 - 7/9.5 *	150	164	157.5	8
150 - 165 - 6/8.5	150	165	158	7
150 - 165 - 6/9	150	165	158	7
150 - 168.5 - 9/14	150	168.5	159.5	10
155 - 165 - 7/9.5	155	165	160	8
160 - 170 - 7/9.5	160	170	165	8
160 - 173 - 6/9	160	173	167	7
160 - 174 - 7/9.5	160	174	167.5	8
160 - 175 - 8.5/12	160	175	168	9.5
162 - 175 - 6/9	162	175	169	7
165 - 179 - 7/9.5 *	165	179	172.5	8
170 - 184 - 7/9.5	170	184	177.5	8
177 - 192 - 6/9	177	192	185	7
180 - 190 - 6.8/7.6	180	190	185	7.8
180 - 192 - 8/10	180	192	186.5	9
180 - 193 - 7/9.5	180	193	187	8
180 - 194 - 7/9.5 *	180	194	187	8
180 - 195 - 6/8.5	180	195	188	7
180 - 195 - 6/9	180	195	188	7
180 - 195 - 6.5/11	180	195	188	7.5
180 - 198.5 - 9/14	180	198.5	189.5	10
185 - 195 - 7/9.5	185	195	190	8
187 - 200 - 7/9.5 *	187	200	194	8
200 - 214 - 7/9.5 *	200	214	207.5	8
204 - 218 - 7/9.5 *	204	218	211.5	8
207 - 217 - 5/7	207	217	212	6
210 - 223 - 7/9.5	210	223	217	8
210 - 223 - 7.5/10.5	210	223	217	8.5

规格及沟槽尺寸 specification & groove size

DHS

规格	沟槽尺寸 Grooves dimensions			
specificaton	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØS^{\pm0.1}$	$G^{+0.3}$
210 - 226 - 8.5/12	210	226	218.5	9.5
212 - 226 - 7/9.5 *	212	226	219.5	8
220 - 234 - 7/9.5	220	234	227.5	8
230 - 244 - 7/9.5 *	230	244	237.5	8
250 - 264 - 7/9.5 *	250	264	257.5	8
250 - 265 - 9.5/11.5	250	265	258	10.5
265 - 280 - 9.5/11.5	265	280	273	10.5
280 - 294 - 9/11.5 *	280	294	287.5	10
330 - 350 - 10/14	330	350	341	11
345 - 365 - 10/15	345	365	356	11
400 - 420 - 10/18	400	420	411	11
420 - 455 - 15/24	420	455	438.5	16
475 - 495 - 10/15	475	495	486	16
720 - 750 - 18/27	720	750	736	19

* 表示华尔卡标准

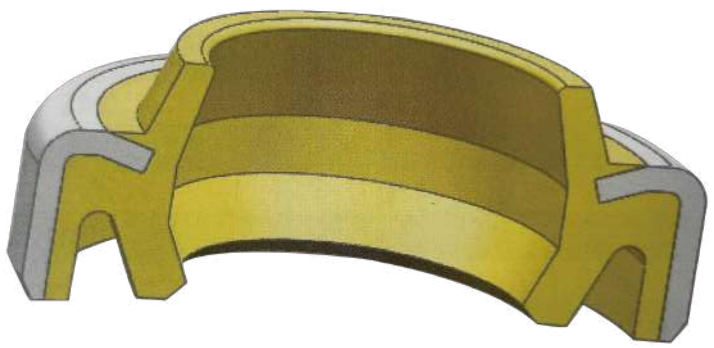
* Means VALQVA standard

防尘圈

DKBI Steel Wiper

本产品是一种用于液压油缸活塞杆的唇形防尘密封件。

Description:Description:DKBI wiper seal is a lip-seal for Rod which fits tightly in the groove. The excellent wiping effect is achieved by the special design of the wiper lip. It is mainly used inengineering machinery.



Advantages:

- High abrasion resistance.
- Suitable for the most severe working conditions.
- Easy installation.

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material: TPU + Metal

Clad

Hardness:90-95 Shore A

Color: Blue/Yellow

使用材料为进口PU、SPCC

硬度90--95 Shore A

颜色为蓝色、黄色

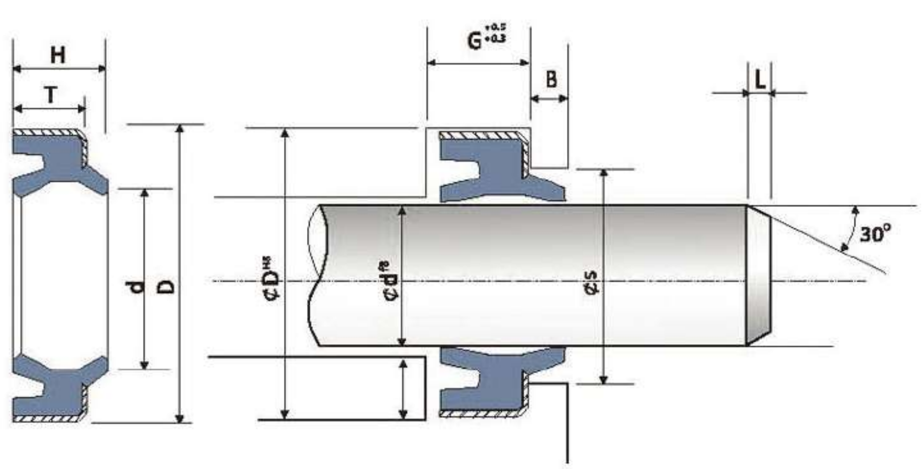
较易安装，低压密封性能好，不适合单独密封

工作压力：≤31.5Mpa

温度：-35～+100℃

运行速度：≤0.5m / s

介质：液压油（矿物油基）



规格及沟槽尺寸　specification & groove size

DKBI

规格	沟槽尺寸　Grooves dimensions				
specification	$Ød^{f8}$	$ØD^{H8}$	ØS	$G^{+0.5}_{+0.3}$	L
14 - 24 - 5/7	14	24	19	5	4
18 - 30 - 6/9	18	30	25	6	4
19 - 26 - 5/7	19	26	24	5	4
19 - 27 - 4/5.3	19	27	24	4	4
20 - 28 - 4/7	20	28	25	4	4
20 - 30 - 5/7	20	30	25	5	4
20 - 32 - 6/9	20	32	27	6	4
22 - 34 - 6/9	22	34	29	6	4
25 - 37 - 6/9	25	37	32	6	4
25.35 - 35 - 6/8	25.35	35	32.35	6	4
28 - 42 - 6/9	28	42	35	6	4
30 - 40 - 5/7	30	40	35	5	4
30 - 42 - 6/9	30	42	37	6	4
32 - 44 - 7/10	32	44	39	7	4
32 - 52 - 8/11	32	52	39	8	4
34 - 46 - 7/10	34	46	41	7	4
35 - 47 - 5/7	35	47	40	5	4
35 - 47 - 7/10	35	47	42	7	4
35 - 45 - 7/10	35	45	42	7	4
40 - 50 - 7/12	40	50	47	7	4
40 - 52 - 7/10	40	52	47	7	4
45 - 55 - 7/10	45	55	52	7	4
45 - 57 - 7/10	45	57	52	7	4
50 - 60 - 7/10	50	60	57	7	4
50 - 62 - 7/10	50	62	57	7	4
51 - 63.6 - 7/12	51	63.6	58	7	4
55 - 69 - 8/11	55	69	62	8	4
60 - 70 - 8/11	60	70	67	7	4
60 - 74 - 8/11	60	74	67	8	4
63 - 77 - 8/11	63	77	70	8	4
65 - 75 - 8/11	65	75	72	8	4
65 - 79 - 8/11	65	79	72	8	4
70 - 80 - 8/11	70	80	77	8	4
70 - 84 - 8/11	70	84	77	8	4
75 - 85 - 8/11	75	85	82	8	4
75 - 89 - 8/11	75	89	82	8	4
80 - 90 - 8/11	80	90	87	8	4
80 - 94 - 8/11	80	94	87	8	4
85 - 95 - 8/11	85	95	92	8	4
85 - 99 - 8/11	85	99	92	8	4
90 - 100 - 8/11	90	100	97	8	4
90 - 104 - 8/11	90	104	97	8	4
95 - 109 - 8/11	95	109	102	8	4
100 - 114 - 8/11	100	114	107	8	4
105 - 121 - 9/12	105	121	113	9	5
110 - 126 - 9/12	110	126	118	9	5
115 - 131 - 9/12	115	131	123	9	5
120 - 136 - 9/12	120	136	128	9	5
130 - 146 - 9/12	130	146	138	9	5
140 - 160 - 10/14	140	160	150	10	5
150 - 170 - 10/14	150	170	160	10	5
190 - 210 - 10/14	190	210	200	10	5

防尘圈

AF Steel Wiper

本产品是一种用于液压油缸活塞杆的唇形防尘密封件。

Description: AF wiper seal is a lip-seal which fits tightly in the groove. The excellent wiping effect is achieved by the specialdesign of the wiper lip. It is mainly used in engineering machinery.

Advantages:

- High abrasion resistance.
- Minor permanent deformation.
- Suitable for the most severe working conditions.
- Easy installation.

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material: PU +Metal Clad

Hardness:90-95 Shore A

Color: Turquoise

使用材料为进口PU、SPCC

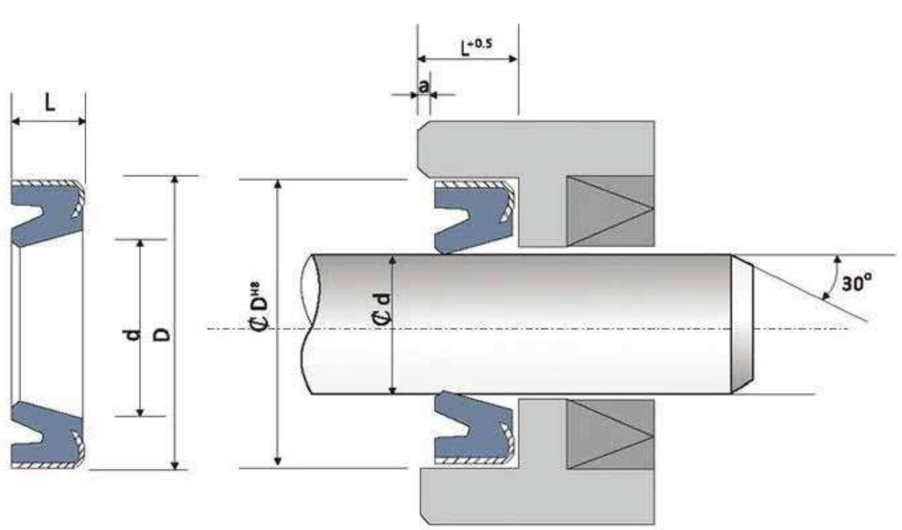
硬度约90--95 Shore A

颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35~+100℃

运行速度：≤1m/s



规格及沟槽尺寸 specification & groove size

AF

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD^{H8}	L$^{+0.5}$	a
29-41.2-6.5	29	41.2	6.5	1
30-40-6	30	40	6	1
30-40.5-6	30	40.5	6	1
30-42-6	30	42	6	1
31.75-44.45-6.35	31.75	44.45	6.35	1
35-45-5	35	45	5	0.7
35-47-7	35	47	7	1
36-48-6	36	48	6	1
38-50-4	38	50	4	0.7
40-50-5	40	50	5	0.7
40-52-6	40	52	6	1
40-52-7	40	52	7	1
40-57-7	40	57	7	1
45-55-6	45	55	6	1
45-57-7	45	57	7	1
45-60-5	45	60	5	0.7
45-60-7.5	45	60	7.5	1
50-60-7	50	60	7	1
50-62-7	50	62	7	1
50-65-7.5	50	65	7.5	1
50.8-63.5-8	50.8	63.5	4.2	0.7
55-65-4.2	55	65	8	1.5
55-69-8	55	69	8	1.5
56-65-7.5	56	65	7.5	1
56-70-7.5	56	70	7.5	1
60-74-8	60	74	8	1.5
60-75-5.2	60	75	5.2	0.7
60-75-7.5	60	75	7.5	1
60-75-8	60	75	8	1.5
60.32-79.37-9.5	60.32	79.37	9.5	2
63-77-8	63	77	8	1.5
63-78-7.5	63	78	7.5	1
65-79-8	65	79	8	1.5
70-84-8	70	84	8	1.5
70-85-8	70	85	8	1.5
75-89-8	75	89	8	1.5
76.5-96.5-10	76.5	96.5	10	2
80-94-8	80	94	8	1.5
80-95-8	80	95	8	1.5
82-99-8	82	99	8	1.5
85-99-6	85	99	6	1
85-99-8	85	99	8	1.5
90-104-8	90	104	8	1.5
95-109-8	95	109	8	1.5
100-114-8	100	114	8	1.5
100-115-7	100	115	7	1
105-121-9	105	121	9	2
110-126-9	110	126	9	2
110-130-10	110	130	10	2
115-131-9	115	131	9	2
120-136-9	120	136	9	2
120-140-10	120	140	10	2
140-160-10	140	160	10	2

AM

防尘圈

AM Steel Wiper

AM型防尘圈因其特殊的外形，可防止灰尘、脏物、砂粒和金属碎屑的侵入。在很大程度上可以防止刮伤，保护了金属滑动面，密封件的工作寿命得以延长。

Description: AM type dust ring because of its special shape, can prevent the invasion of dust, dirt, sand and metal debris. To a large extent, it can prevent scratching, protect the metal sliding surface, and extend the working life of the seals.

Advantages:

- High abrasion resistance.
- Minor permanent deformation.
- Suitable for the most severe working conditions.
- Easy installation.

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material: PU +Metal Clad

Hardness:90-95 Shore A

Color: Turquoise

使用材料为进口PU、SPCC

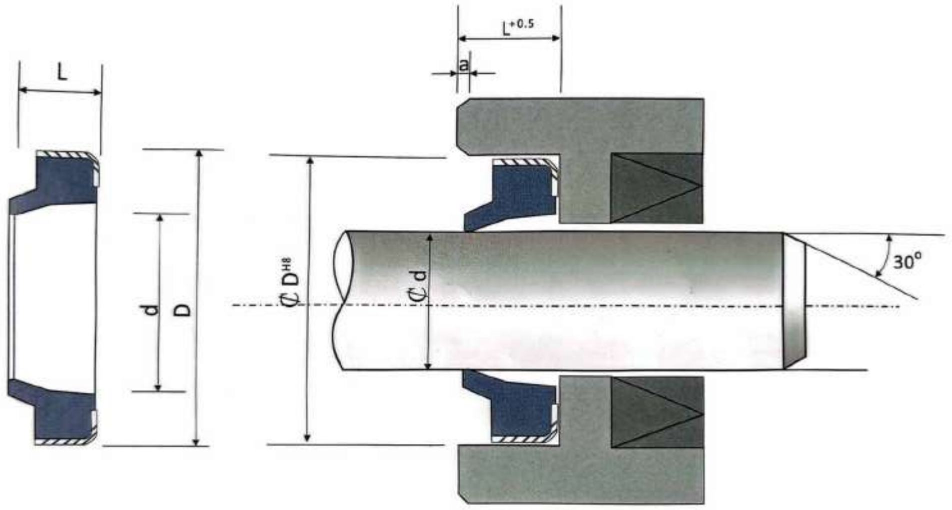
硬度约90--95 Shore A

颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35~+100℃

运行速度：≤1m/s



规格及沟槽尺寸　specification & groove size

AM

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD^H8	L^+0.5	a
20-30-7/10	20	30	7	1.4
25-35-7/10	25	35	7	1.4
30-40-7/10	30	40	7	1.4
35-45-7/10	35	45	7	1.4
40-50-7/10	40	50	7	1.4
45-55-7/10	45	55	7	1.4
50-60-7/10	50	60	7	1.4
55-65-7/10	55	65	7	1.4
60-70-7/10	60	70	7	1.4
65-75-7/10	65	75	7	1.4
70-80-7/10	70	80	7	1.4
75-85-7/10	75	85	7	1.4
80-90-7/10	80	90	7	1.4
85-95-7/10	85	95	7	1.4
90-100-7/10	90	100	7	1.4
100-110-7/10	100	110	7	1.4
110-120-7/10	110	120	7	1.4

AM

防尘圈

GHP/A1 Wiper

A1型防尘圈的功能是防止灰尘、污物、沙粒及金属屑的进入。通过特殊的设计，防止刮伤，保护导向零件、延长了密封件的工作寿命。有过盈的直径可保证密封件紧紧装入沟槽中，从而防止杂质微粒和湿气的侵入。A1型防尘圈对缸提供了密闭腔体，无需螺钉和托架。不必要严格的公差，也无需金属插件，防止了像金属骨架防尘圈可能发生的腐蚀现象。沟槽也无需严格的公差。

Description: A1 is a single acting wiper ensuring that foreign particles do not penetrate into the hydraulicsystems, avoiding wear and damage to all the internal components including seals.

A
1

Advantages:

- Very good wiping performance
- No twisting in the housing
- Specially design to prevent big particles togo into the system
- Wide range of dimensions
- Used in heavy conditions by the good mechanicalproperties of PU material
- Secure seating into the groove

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1.0m/s

Media:mineral oils, HFA and HFB,HFC

Material

Material:PU

Hardness:92 ShoreA

安装：

A1型ULTRATHAN防尘圈很容易装入沟槽．应避免防尘圈唇口与活塞杆孔眼或其它连接原件接触，防尘圈唇口应装在壳体外，便于污物清除

应用范围：

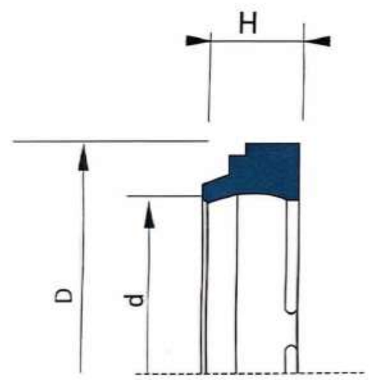
A1型防尘圈用于液压缸和气缸的轴向运动杆、杆塞和轴套上

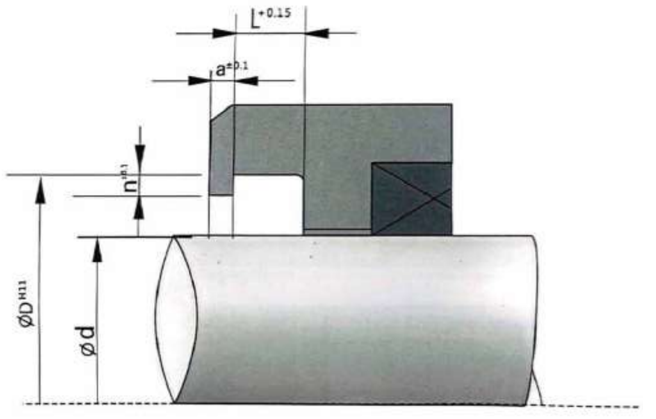
工作温度：-35℃至＋100℃

表面速度：≤2m／s

材料：

邵氏硬度约92A的聚氨酯材料。





规格及沟槽尺寸　specification & groove size

GHP/A1

规格	沟槽尺寸　Grooves dimensions				
specification	Ød	ØD^{H11}	n$^{\pm01}$	L$^{+0.15}$	1　a$^{\pm0.1}$
12－20－4/7	12	20	1	4	
14－22－4/7	14	22	1	4	1
16－24－4/7	16	24	1	4	1
18－26－4/7	18	26	1	4	1
20－28－4/7	20	28	1	4	1
22－30－4/7	22	30	1	4	1
25－33－4/7	25	33	1	4	1
28－36－4/7	28	36	1	4	1
30－38－4/7	30	38	1	4	1
32－40－4/7	32	40	1	4	1
35－42－4/7	35	42	1	4	1
35－43－4/7	35	43	1	4	1
36－44－4/7	36	44	1	4	1
38－46－4/7	38	46	1	4	1
40－48－4/7	40	48	1	4	1
42－50－4/7	42	50	1	4	1
45－53－4/7	45	53	1	4	1
48－56－4/7	48	56	1	4	1
50－58－4/7	50	58	1	4	1
55－63－4/7	55	63	1	4	1
56－64－4/7	56	64	1	4	1
60－68－4/7	60	68	1	4	1
62－70－4/7	62	70	1	4	1
63－71－4/7	63	71	1	4	1
65－73－4/7	65	73	1	4	1
70－78－4/7	70	78	1	4	1
75－83－4/7	75	83	1	4	1
78－86－4/7	78	86	1	4	1
80－88－4/7	80	88	1	4	1
80－92－6/10.5	80	92	1	6	1
85－93－4/7	85	93	1	4	1
90－98－4/7	90	98	1	4	1
95－103－4/7	95	103	1	4	1
97－105－4/7	97	105	1	4	1
100－108－4/7	100	108	1	4	1
105－117－5.5/10	105	117	1.5	5.5	1.5
110－120－5/11	110	120	1.5	5	1.5
110－122－5.5/10	110	122	1.5	5.5	1.5
120－132－5.5/10	120	132	1.5	5.5	1.5
125－137－5.5/10	125	137	1.5	5.5	1.5
128－140－5.5/10	128	140	1.5	5.5	1.5
130－142－5.5/10	130	142	1.5	5.5	1.5
140－152－5.5/10	140	152	1.5	5.5	1.5
145－157－5.5/10	145	157	1.5	5.5	1.5
150－162－5.5/10	150	162	1.5	5.5	1.5
160－172－5.5/10	160	172	1.5	5.5	1.5
166－178－5.5/10	166	178	1.5	5.5	1.5
170－182－5.5/10	170	182	1.5	5.5	1.5
180－192－5.5/10	180	192	1.5	5.5	1.5
190－202－5.5/10	190	202	1.5	5.5	1.5
200－212－5.5/10	200	212	1.5	5.5	1.5
210－222－5.5/10	210	222	1.5	5.5	1.5
220－235－6.5/13	220	235	2	6.5	2
230－245－6.5/13	230	245	2	6.5	2
240－255－6.5/13	240	255	2	6.5	2
260－275－6.5/13	260	275	2	6.5	2
275－290－6.5/13	275	290	2	6.5	2
325－340－6.5/13	325	340	2	6.5	2

A
1

防尘圈

AY Wiper

AY

AY型双唇防尘圈的作用是防止粉尘、污物、砂粒及金属屑的进入。通过特殊的设计来实现，它大大的防止了刮伤，保护了导向元件，延长了密封件的使用寿命。AY型双唇防尘圈沿缸体的方向封闭活塞杆。安装时无需特殊螺钉和托架，不要求严格的公差，也无需金属插件。此外，面向介质的密封唇减少了剩余的油膜。聚氨酯胶料保证在干摩擦是有极好的特点，增加耐磨性，由于对因气候条件而引起的臭氧和辐射有很好的抵抗能力，延长了使用寿命。

Description: AY is a single acting double wiper ensuring that foreign particles do not penetrate into the hydraulic cylinders. The lip is designed in a particular way that it reliably wipers off the dirt leaves a residual oil film on the rod.

Advantages:

- Good wiping effect
- Wide range of dimensions
- No twisting in the housing
- Wiper lip reliably wipes away dirt andleaves a residual oil film on the retracting rod
- Double lip makes additional protectionto prevent the particles to enter into thecylinder
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1.0m/s

Media:mineral oils, HFA and HFB,HFC

Material

Material:PU

Hardness:92 ShoreA

安装:

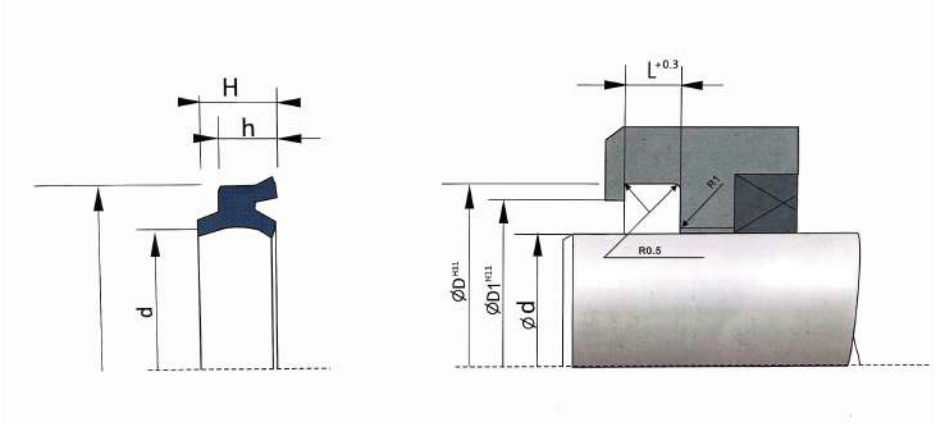
AY型双唇防尘圈可以很容易装入结构简单的沟槽中应避免防尘圈唇口与活塞杆孔眼或其他元件相接触并且，防尘圈唇口最好装在壳体外，这样，挡出的污物易于清除

应用范围:

AY型双唇防尘圈用于液压缸和气缸、提升机及导向杆的轴向运动杆

工作温度：-35℃至+100℃

表面温度：≤1.0m / s



规格及沟槽尺寸 specification & groove size

AY

规格 specification	沟槽尺寸 Grooves dimensions Ød	ØD H11	ØD1 H11	L +0.3
8 - 13 - 3.1/4.1	8	13	10.5	3.5
10 - 16 - 3.6/4.8	10	16	12.5	4
12 - 18 - 3.6/4.8	12	18	14.5	4
14 - 20 - 3.6/4.8	14	20	16.5	4
16 - 22 - 3.6/4.8	16	22	18.5	4
18 - 24 - 3.6/4.8	18	24	20.5	4
18 - 26 - 4.5/6	18	26	22.3	5
20 - 26 - 3.6/4.8	20	26	22.5	4
20 - 28 - 4.5/6	20	28	24.3	5
22 - 28 - 3.6/4.8	22	28	24.5	4
22.4 - 30.4 - 4.5/6	22.4	30.4	26.7	5
25 - 31 - 3.6/4.8	25	31	27.5	4
25 - 33 - 4.5/6	25	33	29.3	5
28 - 36 - 3.6/4.8	28	36	31	4
28 - 36 - 4.5/6	28	36	32.3	5
30 - 38 - 4.5/5.8	30	38	33	5
30 - 38 - 5/6.5	30	38	34	6
32 - 40 - 4.5/5.8	32	40	35	5
32 - 40 - 5/6.5	32	40	36	6
35 - 43 - 5/6.5	35	43	39	6
35.5 - 43.52 - 5/6.5	35.5	43.5	39.5	6
36 - 44 - 4.5/5.8	36	44	39	5
40 - 48 - 4.5/5.8	40	48	43	5
40 - 48 - 5/6.5	40	48	44	6
45 - 53 - 4.5/5.8	45	53	48	5
45 - 53 - 5/6.5	45	53	49	6
46 - 54 - 4.5/5.8	46	54	49	5
50 - 58 - 4.5/5.8	50	58	53	5
50 - 58 - 5/6.5	50	58	54	6
53 - 61 - 5/6.5	53	61	57	6
55 - 63 - 5/6.5	55	63	59	6
55 - 65 - 5.3/6.8	55	65	58	6
56 - 64 - 5/6.5	56	64	60	6
56 - 66 - 5.3/6.8	56	66	59	6
60 - 68 - 5/6.5	60	68	64	6
60 - 70 - 5.3/6.8	60	70	63	6
63 - 71 - 5/6.5	63	71	67	6
63 - 73 - 5.3/6.8	63	73	66	6
65 - 73 - 5/6.5	65	73	69	6
65 - 75 - 5.3/6.8	65	75	68	6
67 - 75 - 5/6.5	67	75	71	6
70 - 80 - 5.3/6.8	70	80	73	6
70 - 80 - 6/8	70	80	75	7
71 - 81 - 6/8	71	81	76	7
75 - 85 - 5.3/6.8	75	85	78	6
75 - 85 - 6/8	75	85	80	7
80 - 90 - 5.3/6.8	80	90	83	6
80 - 90 - 6/8	80	90	85	7
85 - 95 - 5,3/6.8	85	95	88	6
85 - 95 - 6/8	85	95	90	7

AY

AY

规格及沟槽尺寸 specification & groove size

规格	沟槽尺寸 Grooves dimensions			
specification	Ød	$ØD^{H11}$	$ØD1^{H11}$	$L^{+0.3}$
90 - 100 - 5.3/6.8	90	100	93	6
90 - 100 - 6/8	90	100	95	7
100 - 110 - 5.3/6.8	100	110	103	6
100 - 110 - 6/8	100	110	105	7
110 - 120 - 6/8	110	120	115	7
110 - 125 - 7.5/9.5	110	125	114	8.5
125 - 138 - 7/9.5	125	138	132	8
125 - 140 - 7.5/9.5	125	140	129	8.5
136 - 149 - 7/9.5	136	149	143	8
140 - 153 - 7/9.5	140	153	147	8
140 - 155 - 7.5/9.5	140	155	144	8.5
145 - 158 - 7/9.5	145	158	152	8
160 - 173 - 7/9.5	160	173	167	8
165 - 178 - 7/9.5	165	178	172	8
180 - 193 - 7/9.5	180	193	187	8
200 - 213 - 7/9.5	200	213	207	8
230 - 243 - 7/9.5	230	243	237	8

A
Y

防尘圈

A5 Wiper

本产品是在沟槽中作紧密配合安装的一种用于液压油缸和气缸活塞杆的唇形防尘密封件。

Description: DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:

- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material:PU

Hardness:90-95 Shore A

Color: Blue/Green

使用材料为进口PU

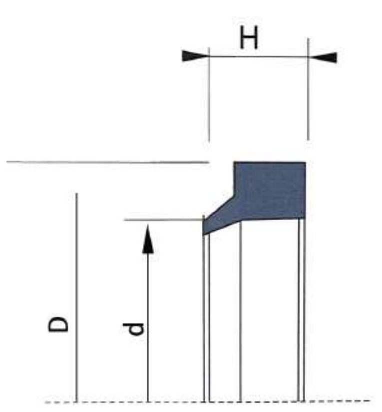
硬度约90--95 Shore A

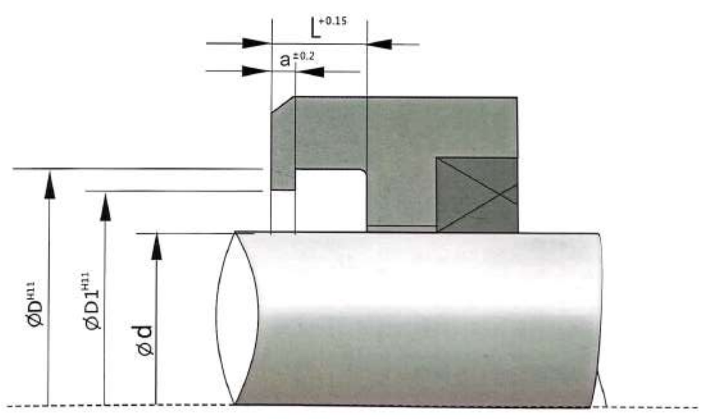
颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35~+100℃

运行速度：≤1m / s





A
5

规格及沟槽尺寸　specification & groove size

A5

规格 specification	沟槽尺寸 Grooves dimensions				
	Ød	$ØD^{H11}$	$ØD1^{H11}$	$L^{+0.15}$	$a^{\pm0.2}$
35 - 43.5 - 5.3/7	35	44	38.5	5.3	2
36 - 44 - 5.3/7	36	44.6	39	5.3	2
55 - 65 - 5.3/7	55	65.6	58	5.3	2
56 - 66 - 5.3/7	56	66.6	59	5.3	2
70 - 80 - 5.3/7	70	80.6	73	5.3	2
90 - 102 - 7.1/12	90	102.2	96	7.1	5
100 - 108 - 5.3/7	100	108.8	103	5.3	2
110 - 122 - 7.1/12	110	122.2	116	7.1	5
140 - 148 - 5.3/7	140	148.6	143	5.3	2

A5

防尘圈

PW Wiper

本产品是在沟槽中作紧密配合安装的一种用于液压油缸活塞杆的唇形防尘密封件。

Description: DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:

- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material:PU

Hardness:90-95 Shore A

Color: Blue/Green

使用材料为进口PU

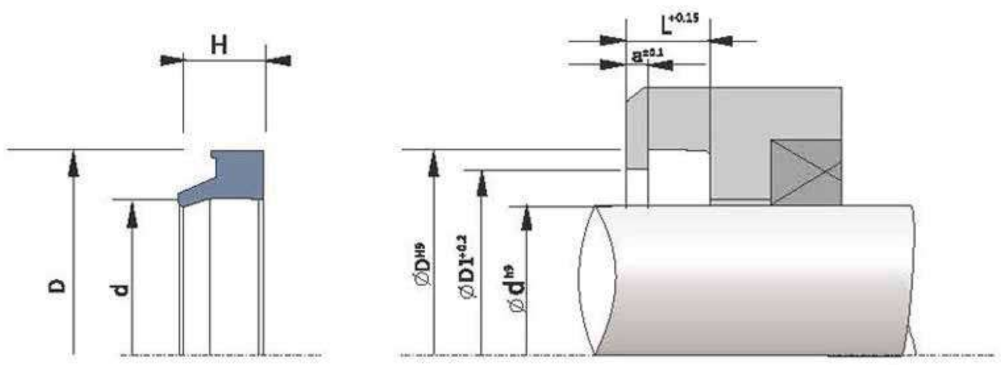
硬度约90--95 Shore A

颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35~+100℃

运行速度：≤1m/s



PW

规格及沟槽尺寸 specification & groove size

PW

规格 specification	沟槽尺寸 Grooves dimensions Ød^{h9}	ØD^{H9}	ØD1$^{+0.2}$	L$^{+0.15}$	a$^{\pm0.1}$
12 - 18 - 3.5/5	12	18.6	15	3.8	1.5
14 - 20 - 3.5/5	14	20.6	17	3.8	1.5
16 - 22 - 3.5/5	16	22.6	19	3.8	1.5
18 - 24 - 3.5/5	18	24.6	21	3.8	1.5
20 - 28 - 5/7	20	28.6	23	5.3	2
22 - 30 - 5/7	22	30.6	25	5.3	2
25 - 33 - 5/7	25	33.6	28	5.3	2
28 - 36 - 5/7	28	36.6	31	5.3	2
30 - 38 - 5/7	30	38.6	33	5.3	2
32 - 40 - 5/7	32	40.6	35	5.3	2
35 - 43 - 5/7	35	43.6	38	5.3	2
36 - 44 - 4/7	36	44	40	4	3
36 - 44 - 5/7	36	44.6	39	5.3	2
38 - 46 - 5/7	38	46.6	41	5.3	2
40 - 48 - 4/7	40	48	44	4	3
40 - 48 - 5/7	40	48.6	43	5.3	2
40 - 50 - 5/7	40	50.6	43	5.3	2
42 - 50 - 5/7	42	50.6	45	5.3	2
45 - 53 - 5/7	45	53.6	48	5.3	2
45 - 55 - 5/7	45	55.6	48	5.3	2
50 - 58 - 4/7	50	58	54	4	3
50 - 58 - 5/7	50	58.6	53	5.3	2
50 - 60 - 5/7	50	60.6	53	5.3	2
55 - 63.5 - 5/7	55	63.5	58	5.3	2
55 - 65.5 - 5/7	55	65.5	58	5.3	2
56 - 64 - 5/7	56	64.6	59	5.3	2
56 - 66 - 5/7	56	66.6	59	5.3	2
60 - 68 - 5/7	60	68.6	63	5.3	2
60 - 70 - 5/7	60	70.6	66.5	5.3	2
63 - 71 - 5/7	63	71.6	66	5.3	2
63 - 73 - 5/7	63	73.6	68	5.3	2
63 - 75 - 5/7	63	75.6	66	5.3	2
65 - 75 - 5/7	65	75.6	71.5	5.3	2
70 - 78 - 5/7	70	78.6	73	5.3	2
70 - 80 - 5/7	70	80.6	73	5.3	2
70 - 82 - 7/12	70	82.6	73	5.3	2
75 - 83 - 5/7	75	83.6	78	5.3	2
75 - 85 - 5/7	75	85.6	78	5.3	2
75 - 87 - 7/12	75	87.6	78	5.3	2
80 - 88 - 5/7	80	88.6 :	83	5.3	2
80 - 90 - 5/7	80	90.6	83	5.3	2
85 - 93 - 5/7	85	93.6	88	5.3	2
85 - 97 - 7/12	85	97	103	7	5
90 - 98 - 5/7	90	98.6	93	5.3	2
90 - 100 - 7/10	90	100	94	7	3
100 - 112 - 7/10	100	112.2	106	7.1	3
125 - 137 - 7/10	125	137.2	131	7.1	3
145 - 157 - 7/10	145	157.2	151	7.1	3
160 - 175 - 10/14	160	175.2	168	10.1	4

PW

防尘圈
PDU Wiper

本产品是在沟槽中作紧密配合安装的一种用于液压油缸活塞杆的唇形防尘密封件。

Description: DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:
- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Speed:≤1m/s

Material

Material:PU

Hardness:90-95 Shore A

Color: Blue/Green

使用材料为进口PU

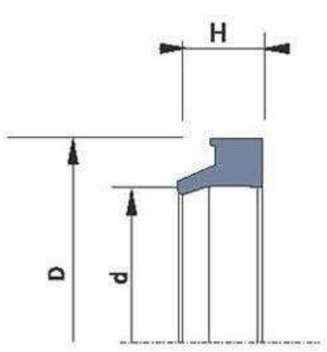
硬度约90--95 Shore A

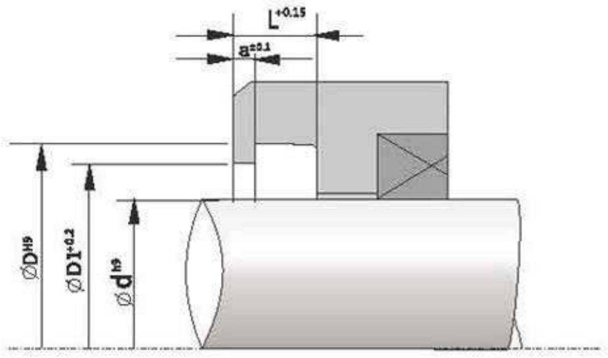
颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35～+100℃

运行速度：≤1m／s





PDU

规格及沟槽尺寸 specification & groove size

PDU

规格	沟槽尺寸 Grooves dimensions				
specification	Ød	ØD	$ØD1^{±0.1}$	$L^{+0.15}$	$a^{±0.1}$
3-5.6-2.8	3	5.6	4.6	2.7	0.6
4-7-2.8	4	7	5.4	2.7	0.8
5-8-2.8	5	8	6.2	2.7	0.8
6-9-2.8	6	9	7.2	2.7	1
6-10-4.2	6	10	7.2	3.9	1
8-11.5-3.2	8	11.5	9.2	3	1
8-12-4.2	8	12	9.2	3.9	1
10-14-3.7	10	14	11.4	3.5	1
10-14-4.2	10	14	11.4	3.9	1
12-16.5-4	12	16.5	13.7	3.7	1.2
12-17-5.5	12	17	13.7	4.9	1.2
14-19-5.5	14	19	15.7	4.9	1.2
16-20.5-4	16	20.5	17.7	3.7	1.2
16-24-7.5	16	24	17.7	6.8	1.2
18-22.5-4	18	22.5	19.7	3.7	1.2
20-25-4.6	20	25	21.9	4.15	1.2
20-29-7.5	20	29	21.9	6.8	1.2
20-30-9.5	20	30	21.9	8.8	1.2
25-30-4.6	25	30	26.9	4.15	1.2
25-34-7.5	25	34	26.9	6.8	1.2
30-40-8.5	30	40	32.1	7.8	1.2
32-37.5-5	32	37.5	34.1	4.55	1.2
32-42-8.5	32	42	34.1	7.8	1.2
40-46-5.5	40	46	42.2	4.9	1.4
40-50-8.5	40	50	42.2	4.8	1.4

防尘圈
GPW Wiper

本产品是在沟槽中作紧配合安装的一种唇形防尘和活塞杆用的密封件。

Description: DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:
- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+110℃

Speed:≤1m/s

Material

Material:PU

Hardness:90-95 Shore A

Color: Blue/Green

使用材料为进口PU

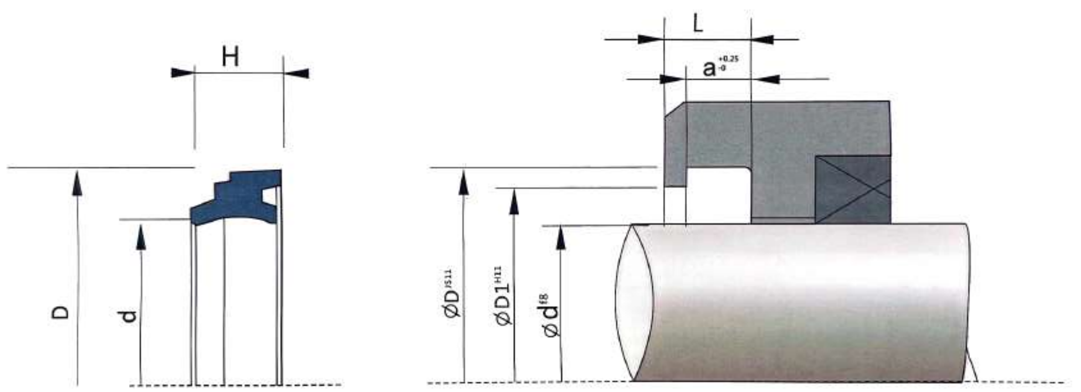
硬度约90--95 Shore A

颜色为蓝色、绿色两种

耐磨性能好，容易安装，适用范围广

工作温度：-35～+110℃

运行速度：≤1m/s



规格及沟槽尺寸 specification & groove size

GPW

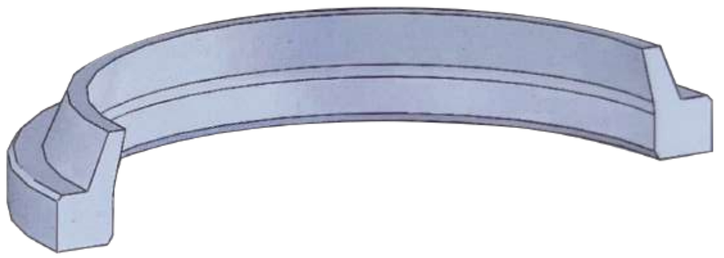
规格 specification	沟槽尺寸 Grooves dimensions Ød f8	ØD JS11	ØD1 H11	L +0.15	a +0.25/-0
10 - 18 - 4/8	10	18	13.5	6	4
12 - 20 - 4/8	12	20	15.5	6	4
14 - 22 - 4/8	14	22	17.5	6	4
15 - 23 - 4/8	15	23	18.5	6	4
16 - 24 - 4/8	16	24	19.5	6	4
18 - 26 - 4/8	18	26	21.5	6	4
20 - 28 - 4/8	20	28	23.5	6	4
22 - 30 - 4/8	22	30	25.5	6	4
25 - 33 - 4/8	25	33	28.5	6	4
28 - 36 - 4/8	28	36	31.5	6	4
30 - 38 - 4/8	30	38	33.5	6	4
32 - 40 - 4/8	32	40	35.5	6	4
35 - 43 - 4/8	35	43	38.5	6	4
36 - 44 - 4/8	36	44	39.5	6	4
38 - 46 - 4/8	38	46	41.5	6	4
40 - 48 - 4/8	40	48	43.5	6	4
42 - 50 - 4/8	42	50	45.5	6	4
45 - 53 - 4/8	45	53	48.5	6	4
50 - 58 - 4/8	50	58	53.5	6	4
55 - 63 - 4/8	55	63	58.5	6	4
56 - 64 - 4/8	56	64	59.5	6	4
60 - 68 - 4/8	60	68	63.5	6	4
63 - 71 - 4/8	63	71	66.5	6	4
65 - 73 - 4/8	65	73	68.5	6	4
70 - 78 - 4/8	70	78	73.5	6	4
75 - 83 - 4/8	75	83	78.5	6	4
80 - 88 - 4/8	80	88	83.5	6	4
85 - 93 - 4/8	85	93	88.5	6	4
90 - 98 - 4/8	90	98	93.5	6	4
100 - 108 - 4/8	100	108	103.5	6	4
105 - 117 - 5,5/11	105	117	114	8.2	5.5
110 - 122 - 5.5/11	110	122	119	8.2	5.5
115 - 127 - 5.5/11	115	127	124	8.2	5.5
120 - 132 - 5.5/11	120	132	129	8.2	5.5
125 - 137 - 5.5/11	125	137	134	8.2	5.5
130 - 142 - 5.5/11	130	142	139	8.2	5.5
135 - 147 - 5.5/11	135	147	144	8.2	5.5
140 - 152 - 5.5/11	140	152	149	8.2	5.5
150 - 162 - 5.5/11	150	162	159	8.2	5.5
160 - 172 - 5.5/11	160	172	169	8.2	5.5
170 - 182 - 5.5/11	170	182	179	8.2	5.5
180 - 192 - 5.5/11	180	192	189	8.2	5.5
190 - 202 - 5.5/11	190	202	199	8.2	5.5
200 - 212 - 5.5/11	200	212	209	8.2	5.5
220 - 235 - 5.5/11	220	235	229	8.2	5.5

国标防尘圈

J Wiper seal

本产品用于往复运动气缸活塞杆或阀杆外露处起防尘作用

Description: Dust proof for piston rod in air cylinder under reciprocating movements or exposed valve rod.



Application range

TPU:general machinery,universal machinery, valves in air cylinders.
CPU:hydraulic cylinders of engineering machinery. hydraulic/air cylinders under poor operating conditions.

Technical Data

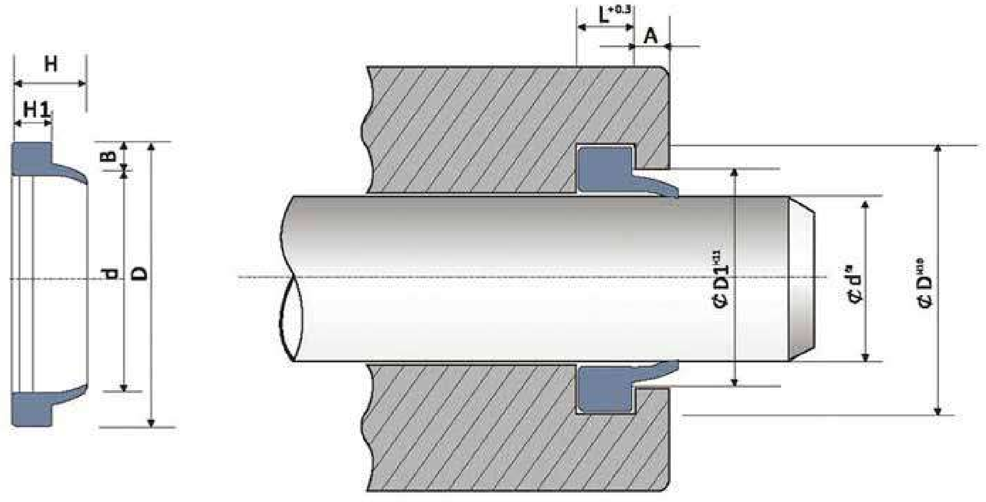
Source of standard:JB/T6657-93
Grooves conform to:JB/T6656-93

Material

Materials:TPU,CPU
Hardness:90±2 shoreA

适用范围

TPU：一般机械、通用机械、气缸各类阀等
CPU：工程机械油缸，工况恶劣的油气缸
材质：聚氨酯TPU，CPU
产品硬度：90±2shoreA
标准来源：JB / T6657-93
沟槽符合：JB / T6656-93



规格及沟槽尺寸 specification & groove size

J

规格 specification	沟槽尺寸 Grooves dimensions Ød f8	ØD H10	ØD1 H11	L +0.3	A
8 - 18 - 4/8	8	18	13	4	2.5
10 - 20 - 4/8	10	20	15	4	2.5
12 - 22 - 4/8	12	22	17	4	2.5
14 - 24 - 4/8	14	24	19	4	2.5
16 - 26 - 4/8	16	26	21	4	2.5
18 - 28 - 5/10	18	28	23	5	3
20 - 32 - 5/10	20	32	26	5	3
22 - 34 - 5/10	22	34	28	5	3
25 - 37 - 5/10	25	37	31	5	3
28 - 40 - 5/10	28	40	34	5	3
30 - 40 - 5/7	30	40	35	5	1.5
30 - 42 - 5/10	30	42	36	5	3
32 - 44 - 5/10	32	44	38	5	3
35 - 47 - 5/10	35	47	41	5	3
36 - 48 - 5/10	36	48	42	5	3
38 - 50 - 5/10	38	50	44	5	3
40 - 50 - 7/12	40	50	45	7	4
40 - 52 - 5/10	40	52	46	5	3
42 - 54 - 5/10	42	54	48	5	3
45 - 55 - 5/10	45	55	50	5	3
45 - 57 - 5/10	45	57	51	5	3
50 - 60 - 7/12	50	60	55	7	4
50 - 62 - 5/10	50	62	56	5	3
52 - 64 - 5/10	52	64	58	5	3
52 - 64 - 7/12	52	64	58	7	4
55 - 69 - 6/12	55	69	62	6	3.5
60 - 68 - 5/10	60	68	64	5	3
60 - 70 - 7/12	60	70	65	7	4
60 - 74 - 6/12	60	74	67	6	3.5
63 - 75 - 6/11	63	75	69	6	3.5
63 - 77 - 6/12	63	77	70	6	3.5
65 - 79 - 6/12	65	79	72	6	3.5
67 - 81 - 7/12	67	81	74	7	4
70 - 81 - 3/6	70	81	77	3	3
70 - 84 - 6/12	70	84	77	6	3.5
71 - 79 - 5/10	71	79	75	5	3
72.5 - 86.5 - 7/12	72.5	86.5	79.5	7	4
75 - 89 - 6/12	75	89	82	6	3.5
78 - 92 - 6/12	78	92	85	6	3.5
80 - 90 - 5/10	80	90	85	5	3
80 - 94 - 6/12	80	94	87	6	3.5
85 - 99 - 6/12	85	99	92	6	3.5
87 - 101 - 6/12	87	101	94	6	3.5
88 - 101 - 6/10	88	101	95	6	3.5
89 - 101 - 6/10	89	101	95	6	3.5
90 - 101 - 6/10	90	101	96	6	3.5
90 - 102 - 6/11	90	102	96	6	3.5
90 - 100 - 7/12	90	100	95	7	4
90 - 104 - 6/12	90	104	97	6	3.5
92 - 106 - 6/12	92	106	99	6	3.5
95 - 109 - 6/12	95	109	102	6	3.5

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规格及沟槽尺寸 specification & groove size

J

规格 specification	沟槽尺寸 Grooves dimensions Ød f8	ØD H10	ØD1 H11	L +0.3	A
100 - 114 - 6/12	100	114	107	6	3.5
110 - 122 - 6/10	110	122	116	6	3.5
110 - 126 - 7/14	110	126	118	7	4
115 - 131 - 7/14	115	131	123	7	4
120 - 130 - 7/12	120	130	125	7	4
120 - 136 - 7/14	120	136	128	7	4
125 - 141 - 7/14	125	141	133	7	4
130 - 146 - 7/14	130	146	138	7	4
135 - 150 - 9/12	135	150	143	9	4
135 - 151 - 7/14	135	151	143	7	4
140 - 160 - 7/14	140	160	148	7	4
145 - 165 - 7/14	145	165	153	7	4
150 - 170 - 7/14	150	170	158	7	4
155 - 175 - 7/14	155	175	163	7	4
157 - 175 - 10/16	157	175	165	10	5
160 - 175 - 5/10.5	160	175	168	5	3.5
160 - 180 - 7/14	160	180	168	7	4
165 - 180 - 10/16	165	180	173	10	5
165 - 185 - 7/14	165	185	173	7	4
170 - 190 - 7/14	170	190	178	7	4
175 - 195 - 7/14	175	195	183	7	4
180 - 200 - 7/14	180	200	188	7	4
185 - 200 - 10/16	185	200	193	10	5
185 - 205 - 7/14	185	205	193	7	4
190 - 210 - 7/14	190	210	198	7	4
195 - 215 - 7/14	195	215	203	7	4
200 - 220 - 7/14	200	220	208	7	4
210 - 230 - 7/14	210	230	218	7	4
210 - 230 - 10/18	210	230	218	10	5
215 - 235 - 7/14	215	235	223	7	4
220 - 240 - 7/14	220	240	228	7	4
225 - 245 - 7/14	225	245	233	7	4
230 - 250 - 7/14	230	250	238	7	4
235 - 255 - 7/14	235	255	243	7	4
240 - 260 - 7/14	240	260	248	7	4
245 - 265 - 7/14	245	265	253	7	4
250 - 270 - 7/14	250	270	258	7	4
255 - 275 - 7/14	255	275	263	7	4
260 - 280 - 7/14	260	280	268	7	4
265 - 285 - 7/14	265	285	273	7	4
270 - 290 - 7/14	270	290	278	7	4
275 - 295 - 7/14	275	295	283	7	4
280 - 300 - 7/14	280	300	288	7	4
285 - 305 - 7/14	285	305	293	7	4
290 - 310 - 7/14	290	310	298	7	4
295 - 315 - 7/14	295	315	303	7	4
300 - 320 - 7/14	300	320	308	7	4
310 - 340 - 10/20	310	340	318	10	5
315 - 345 - 10/20	315	345	323	10	5

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规格及沟槽尺寸　specification & groove size

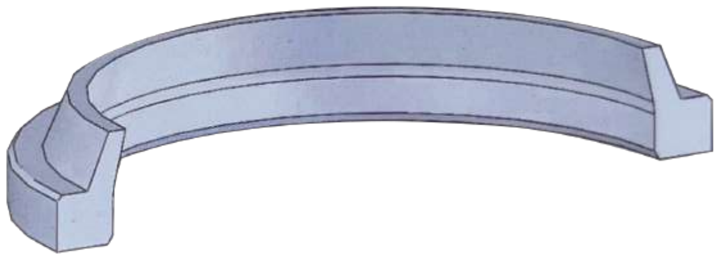
规格	沟槽尺寸 Grooves dimensions				
specification	Ød f8	ØD H10	ØD1 H11	L +0.3	A
320－350－10/20	320	350	332	10	5
325－355－10/20	325	355	337	10	5
330－350－6/12	330	350	342	6	3.5
330－360－10/20	330	360	342	10	5
340－370－10/20	340	370	352	10	5
350－380－10/20	350	380	362	10	5
360－390－10/20	360	390	372	10	5
370－400－10/20	370	400	382	10	5
380－410－10/20	380	410	392	10	5
390－420－10/20	390	420	402	10	5
400－430－10/20	400	430	412	10	5
410－440－10/20	410	440	422	10	5
420－450－10/20	420	450	432	10	5
450－480－10/20	450	480	462	10	5
465－485－10/25	465	485	473	10	5
465－495－10/20	465	495	477	10	5
470－500－10/20	470	500	482	10	5
480－510－10/20	480	510	492	10	5
500－530－10/20	500	530	512	10	5
520－550－10/18	520	550	532	10	3.5
520－550－10/20	520	550	532	10	5
530－560－10/20	530	560	542	10	5
540－570－10/20	540	570	552	10	5
560－590－10/20	560	590	572	10	5
600－630－10/20	600	630	612	10	5
630－660－10/20	630	660	642	10	5
640－670－10/20	640	670	652	10	5
650－680－10/20	650	680	662	10	5
800－830－10/20	800	830	812	10	5

国标防尘圈

JA Wiper seal

本产品用于液压油缸活塞杆或阀杆外露处起防尘作用。

Description: Dust proof for piston rod in air cylinder under reciprocating movements or exposed valve rod.



Application range:

TPU:general machinery,universal machinery,valves in air cylinders

CPU:hydraulic cylinders of engineering machinery,hydraulic/air cylinders under poor operating conditions

Technical Data

Source of standard: JB/T6657-93

Grooves conform to: JB/T6656-93

Material

Material:PU

Materials: TPU, CPU

Hardness:90±2 shoreA

适用范围

TPU：一般机械、通用机械、气缸各类阀等

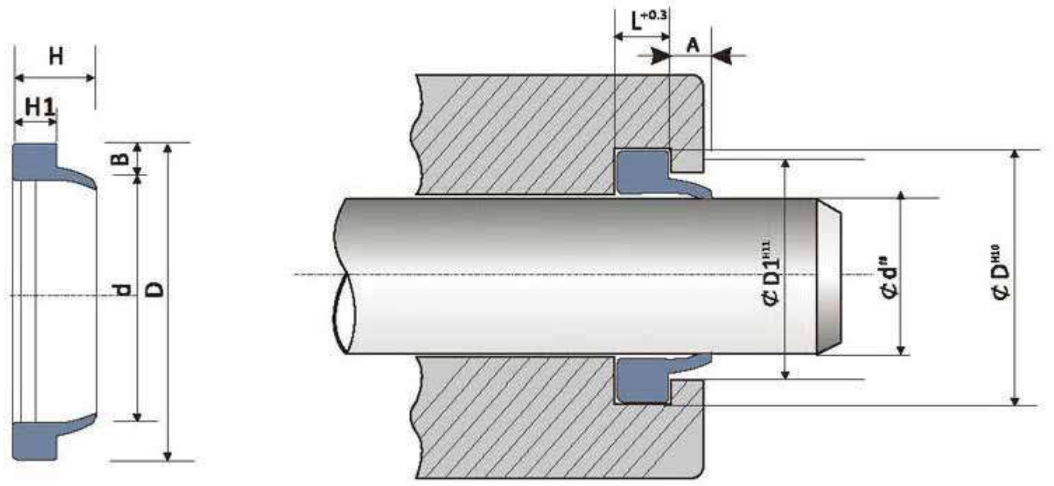
CPU：工程机械油缸，工况恶劣的油气缸

材质：聚氨酯TPU，CPU

产品硬度：90±2shoreA

标准来源：JB / T6657-93

沟槽符合：JB / T6656-93



规格及沟槽尺寸 specification & groove size

JA

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{f8}$	$ØD^{H10}$	$ØD1^{H11}$	$L^{+0.3}$	A
14－22.5－4/7	14	22.5	19	4	3
16－24－5/9	16	24	21	5	3
16－24.5－4/7	16	24.5	21	4	3
18－28－5/9	18	28	23	5	3
18－28.5－5/9	18	28.5	23	5	3
20－30－5/9	20	30	25	5	3
20－30.5－5/9	20	30.5	25	5	3
22－30－5/9	22	30	27	5	3
22－32－5/9	22	32	27	5	3
22－32－5/8.5	22	32	27	5	3
22－32.25－5/9	22	32.5	27	5	3
25－34－5/9	25	34	30	5	3
25－35－5/9	25	35	30	5	3
25－35.5－5/9	25	35.5	30	5	3
28－38－5/9	28	38	33	5	3
28－38.5－5/9	28	38.5	33	5	3
30－40－6/10	30	40	36	6	3
30－40.5－6/10	30	40.5	36	6	3
32－42－6/10	32	42	38	6	3
32－42.5－6/10	32	42.5	38	6	3
35－45－6/10	35	45	41	6	3
35－45.5－6/10	35	45.5	41	6	3
36－46.5－6/10	36	46.5	42	6	3
40－50－6/10	40	50	46	6	3
40－50.5－6/10	40	50.5	46	6	3
45－55－6/10	45	55	51	6	3
45－55.5－6/10	45	55.5	51	6	3
48－58.5－6/10	48	58.5	54	6	3
50－60－6/10	50	60	56	6	3
50－60.5－6/10	50	60.5	56	6	3
55－65－6/10	55	65	61	6	3
55－67－7/11	55	67	61	7	3.5
55－67.5－7/11	55	67.5	61	7	3.5
56－68.5－7/11	56	68.5	62	7	3.5
60－72－7/11	60	72	66	7	3.5
60－72.5－7/11	60	72.5	66	7	3.5
63－75－7/11	63	75	69	7	3.5
63－75.5－7/11	63	75.5	69	7	3.5
65－77－7/11	65	77	71	7	3.5
65－77.5－7/11	65	77.5	71	7	3.5
70－82－7/11	70	82	76	7	3.5
70－82.5－7/11	70	82.5	76	7	3.5
71－83.5－7/11	71	83.5	77	7	3.5
72－84.5－7/11	72	84.5	78	7	3.5
73－85－7/11	73	85	79	7	3.5
75－87－7/11	75	87	81	7	3.5
75－87.5－7/11	75	87.5	81	7	3.5
80－92－7/11	80	92	86	7	3.5
80－92.5－7/11	80	92.5	86	7	3.5
85－97－7/11	85	97	91	7	3.5
85－97.5－7/11	85	97.5	91	7	3.5

J
A

规格及沟槽尺寸 specification & groove size

JA

规格 specification	沟槽尺寸 Grooves dimensions $Ød^{f8}$	$ØD^{H10}$	$ØD1^{H11}$	$L^{+0.3}$	A
88－100.5－7/11	88	100.5	94	7	3.5
90－102－7/11	90	102	96	7	3.5
90－102.5－7/11	90	102.5	96	7	3.5
95－107－7/11	95	107	101	7	3.5
95－107.5－7/11	95	107.5	101	7	3.5
100－112－7/11	100	112	106	7	3.5
100－112.5－7/11	100	112.5	106	7	3.5
105－117－8/12	105	117	112	8	4
105－119.5－8/12	105	119.5	112	8	4
110－124－8/12	110	124	117	8	4
110－124.5－8/12	110	124.5	117	8	4
115－129.5－8/12	115	129.5	122	8	4
120－134－8/12	120	134	127	8	4
120－134.5－8/12	120	134.5	127	8	4
125－139－8/12	125	139	132	8	4
125－139.5－8/12	125	139.5	132	8	4
130－144－9/14	130	144	137	9	4
130－144.5－9/14	130	144.5	137	9	4
135－149－9/14	135	149	142	9	4
137－151－9/14	137	151	144	9	4
140－154－9/14	140	154	147	9	4
140－158－9/14	140	158	147	9	4
140－154.5－9/14	140	154.5	147	9	4
142－160－9/14	142	160	149	9	4
145－159.5－9/14	145	159.5	152	9	4
150－164－9/14	150	164	157	9	4
150－164.5－9/14	150	164.5	157	9	4
150－168－9/14	150	168	157	9	4
155－169.5－9/14	155	169	162	9	4
155－173－8/12	155	173	162	8	4
160－174－9/14	160	174	167	9	4
160－178－9/14	160	178	167	9	4
160－174.5－9/14	160	174.5	167	9	4
170－184.5－9/14	170	184.5	177	9	4
180－194－9/14	180	194	187	9	4
180－194.5－9/14	180	194.5	187	9	4
190－204.5－9/14	190	204.5	197	9	4
190－208－9/14	190	208	197	9	4
200－214.5－9/14	200	214.5	207	9	4
200－218－10/16	200	218	207	10	5
208－226－9/14	208	226	215	9	4
210－224.5－10/16	210	224.5	217	10	5
220－234.5－10/16	220	234.5	227	10	5
220－236－10/16	220	236	227	10	5
220－238－9/14	220	238	227	9	4
225－241－10/16	225	241	232	10	5
225－241.5－10/16	225	241.5	232	10	5
230－246－10/16	230	246	237	10	5
230－246.5－10/16	230	246.5	237	10	5

J
A

规格及沟槽尺寸 specification & groove size

JA

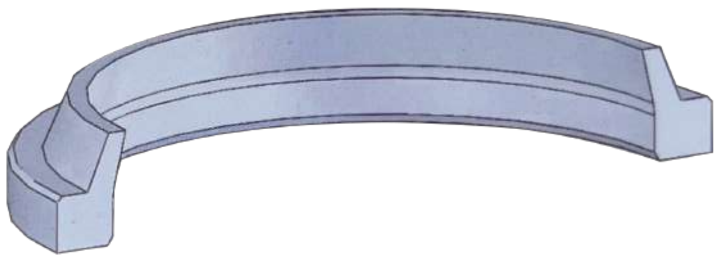
规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{f8}$	$ØD^{H10}$	$ØD1^{H11}$	$L^{+0.3}$	A
230 - 248 - 9/14	230	248	237	9	4
240 - 256 - 10/16	240	256	247	10	5
240 - 256.5 - 10/16	240	256.5	247	10	5
250 - 266 - 10/16	250	266	257	10	5
250 - 266.5 - 10/16	250	266.5	257	10	5
260 - 276 - 9/14	260	276	267	9	4
260 - 276 - 10/16	260	276	267	10	5
260 - 276.5 - 10/16	260	276.5	267	10	5
265 - 281 - 9/14	265	281	272	9	4
280 - 296 - 10/16	280	296	287	10	5
280 - 296.5 - 10/16	280	296.5	287	10	5
300 - 316 - 10/16	300	316	307	10	5
300 - 316.5 - 10/16	300	316.5	307	10	5
305 - 323 - 9/14	305	323	312	9	4
320 - 336 - 9/14	320	336	327	9	4
320 - 336 - 10/16	320	336	327	10	5
320 - 336.5 - 10/16	320	336.5	327	10	5
340 - 356 - 10/16	340	356	347	10	5
340 - 356.5 - 10/16	340	356.5	347	10	5
360 - 376 - 10/16	360	376	367	10	5
360 - 376.5 - 10/16	360	376.5	367	10	5
380 - 396 - 10/16	380	396	387	10	5
380 - 396.5 - 10/16	380	396.5	387	10	5
400 - 418 - 10.5/18	400	418	407	10.5	5
450 - 468 - 10.5/18	450	468	457	10.5	5
500 - 518 - 10.5/18	500	518	507	10.5	5
560 - 578 - 10.5/18	560	578	567	10.5	5

国标防尘圈

JB Wiper seal

本产品用于液压油缸活塞杆起防尘作用的密封件。

Application:dust proof for piston rod in air cylinder under reciprocating movements or exposed valve rod.



Application range:

TPU:normal hydraulic cylinder, hydraulic cylinder in universal machinery

Technical Data

Operating pressure:≤32Mpa

Media:hydraulic fluids,emulsion, water

Source of standard:JB/ZQ4264-97

substituting JB/ZQ4264-86

and replacing Q/ZB248-77

Material

Materials:TPU、CPU

Hardness:90±2 shoreA

Temp range:-35~+100℃

适用范围：TPU：一般液压缸、通用设备液压缸

材质：聚氨酯TPU、CPU

产品硬度：90±2shoreA

工作温度：-35~+100℃

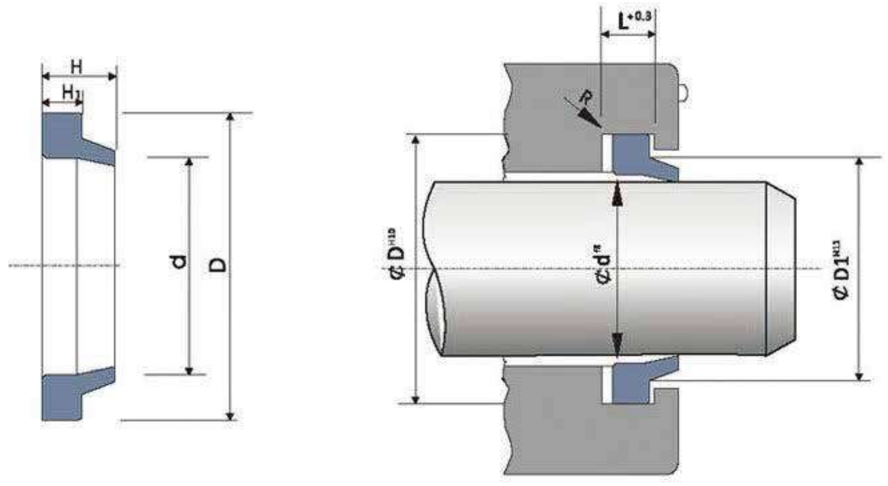
工作压力：≤32Mpa

工作介质：液压油、乳化液、水

标准来源：JB / ZQ4264-97

替代JB / ZQ4264-86

取代Q / ZB248-77



规格及沟槽尺寸 specification & groove size　　JB

规格 specification	沟槽尺寸 Grooves dimensions Ød^{f8}	ØD^{H10}	ØD1^{H11}	L$^{+0.3}$
18 - 26 - 2.5/5	18	26	22	2.5
20 - 28 - 2.5/5	20	28	24	2.5
22 - 30 - 2.5/5	22	30	26	2.5
25 - 33 - 2.5/5	25	33	29	2.5
28 - 36 - 2.5/5	28	36	32	2.5
30 - 38 - 2.5/5	30	38	34	2.5
32 - 41 - 3/6	32	41	36	3
35 - 44 - 3/6	35	44	39	3
36 - 45 - 3/6	36	45	40	3
40 - 49 - 3/6	40	49	44	3
45 - 54 - 3/6	45	54	49	3
50 - 59 - 3/6	50	59	54	3
55 - 64 - 3/6	55	64	59	3
60 - 69 - 3/6	60	69	64	3
63 - 71 - 2.5/5	63	71	66	2.5
63 - 72 - 3/6	63	72	67	3
65 - 74 - 3/6	65	74	69	3
70 - 82 - 4/8	70	82	75	4
75 - 87 - 4/8	75	87	80	4
80 - 92 - 4/8	80	92	85	4
85 - 97 - 4/8	85	97	90	4
90 - 102 - 4/8	90	102	95	4
95 - 107 - 4/8	95	107	100	4
100 - 112 - 4/8	100	112	105	4
105 - 117 - 4/8	105	117	110	4
110 - 122 - 4/8	110	122	115	4
115 - 127 - 4/8	115	127	120	4
120 - 132 - 4/8	120	132	125	4
125 - 140 - 5/10	125	140	132	5
130 - 145 - 5/10	130	145	137	5
130 - 150 - 5/10	130	150	137	5
135 - 150 - 5/10	135	150	142	5
140 - 155 - 5/10	140	155	147	5
145 - 160 - 5/10	145	160	152	5
150 - 165 - 5/10	150	165	157	5
155 - 170 - 5/10	155	170	162	5
160 - 175 - 5/10	160	175	167	5
165 - 180 - 5/10	165	180	172	5
170 - 185 - 5/10	170	185	177	5
175 - 190 - 5/10	175	190	182	5
180 - 195 - 5/10	180	195	187	5
200 - 218 - 6/12	200	218	208	6
210 - 228 - 6/12	210	228	218	6
220 - 238 - 6/12	220	238	228	6
230 - 248 - 6/12	230	248	238	6
240 - 258 - 6/12	240	258	248	6
250 - 268 - 6/12	250	268	258	6
260 - 278 - 6/12	260	278	268	6
270 - 288 - 6/12	270	288	278	6
280 - 298 - 6/12	280	298	288	6
290 - 308 - 6/12	290	308	298	6
300 - 328 - 6/12	300	318	308	6
320 - 338 - 6/12	320	338	328	6
360 - 378 - 6/12	360	378	368	6
370 - 388 - 6/12	370	388	378	6
380 - 398 - 6/12	380	398	388	6

JB

组合防尘圈

BSZ compact Wiper

本产品由一个抗磨的填充聚四氟乙烯PTFE圈和0形橡胶密封圈组合而成，起防尘作用的密封件。

Description: BSZ wiper seal is a double-acting wiper with tow geometrically differentwiper lips which are installed back -to-back. BSZ is always installed together with anelastic O-Ring in one groove.The O-Ring maintains the pressure of the wiper lips against thesliding surface and can compensate any deflections of the piston rod.

Advantages:

- Outstanding sliding properties
- Stick-slip-free,no sticking
- Can compensate for deflections of the piston rod orplunger
- Space-saving construction
- Very good wiping effect against outside contaminants, even with firmly adhered dirt, etc
- Very good wiping effect from the inside against theresidual oil film adhering to the surface of the piston rod
- Very high resistance to hydraulic media
- Available for all diameters up to 2.600 mm and up to2.200mm
- ISO/DIN 6195 Type D installation dimensions

Technical Data

Operating conditions Temperature:-35~+200° C(depending on O-Ring material)

Speed:≤5m/s

Media: Mineral oil-based hydraulic fluids,water,air and others, depending on the O-Ring material

Material

Material: Wiper: PTFE

O-Ring: NBR/FKM

一、用途与性能

由一个抗磨的填充聚四氟乙烯PTFE圈和O形橡胶密封圈组合而成，O形圈提供预紧力，可对PTFE的密封圈的磨损起补偿作用。适用于尘埃严重或严寒的环境以及高频往复运动。轴径小于是Ø30的规格，应采用分体式沟槽

二、材质

耐磨环为聚四氟乙烯PTFE，O型圈为丁晴NBR或氟胶FKM

三、工况条件

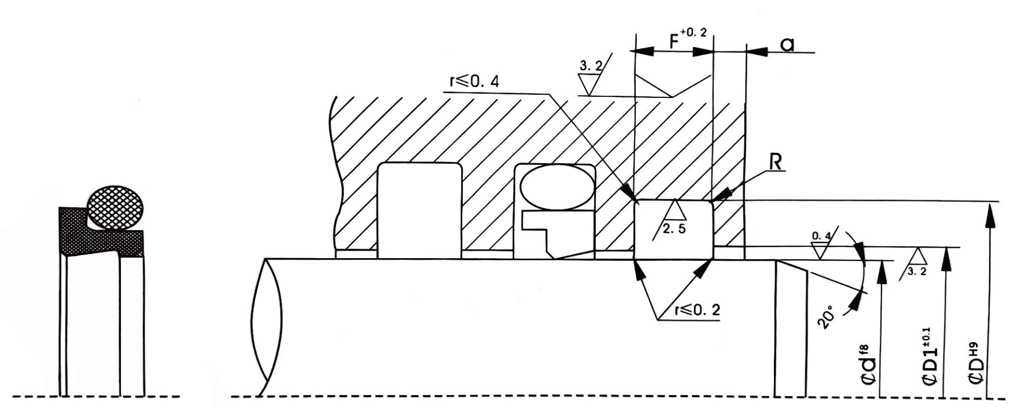
往复速度：≤5m/s

使用温度：-35~+200C°（取决于O型圈的材质）

工作介质：液压油、空气、水

四、设计标准

设计选用时可参考B+L公司的ES56150-ES56155系列



BSZ

规格及沟槽尺寸 specification & groove size

BSZ

规格	沟槽尺寸 Grooves dimensions					
Serial No:	Ød f8	ØD H9	F	R	ØD1 ±0.1	a min
BSZ 020	20	27.6	4.2	0.8	21	3
BSZ 022	22	29.6	4.2	0.8	23	3
BSZ 024	24	31.6	4.2	0.8	25	3
BSZ 025	25	32.6	4.2	0.8	26	3
BSZ 028	28	35.6	4.2	0.8	29	3
BSZ 030	30	37.6	4.2	0.8	31	3
BSZ 032	32	39.6	4.2	0.8	33	3
BSZ 035	35	42.6	4.2	0.8	36	3
BSZ 036	36	43.6	4.2	0.8	37	3
BSZ 038	38	45.6	4.2	0.8	39	3
BSZ 040	40	48.8	6.3	0.8	41.5	3
BSZ 042	42	50.8	6.3	0.8	43.5	3
BSZ 045	45	53.8	6.3	0.8	46.5	3
BSZ 048	48	56.8	6.3	0.8	49.5	3
BSZ 050	50	58.8	6.3	0.8	51.5	3
BSZ 052	52	60.8	6.3	0.8	53.5	3
BSZ 055	55	63.8	6.3	0.8	56.5	3
BSZ 060	60	68.8	6.3	0.8	61.5	3
BSZ 065	65	73.8	6.3	0.8	66.5	3
BSZ 068	68	76.8	6.3	0.8	69.5	3
BSZ 070	70	82.2	8.1	1.5	72	4
BSZ 075	75	87.2	8.1	1.5	77	4
BSZ 080	80	92.2	8.1	1.5	82	4
BSZ 085	85	97.2	8.1	1.5	87	4
BSZ 090	90	102.2	8.1	1.5	92	4
BSZ 092	92	104.2	8.1	1.5	94	4
BSZ 095	95	107.2	8.1	1.5	97	4
BSZ 100	100	112.2	8.1	1.5	102	4
BSZ 105	105	117.2	8.1	1.5	107	4
BSZ 110	110	122.2	8.1	1.5	112	4
BSZ 115	115	127.2	8.1	1.5	117	4
BSZ 120	120	132.2	8.1	1.5	122	4
BSZ 125	125	137.2	8.1	1.5	127	4
BSZ 130	130	142.2	8.1	1.5	132	4
BSZ 135	135	147.2	8.1	1.5	137	4
BSZ 140	140	156	9.5	1.5	142.5	5
BSZ 150	150	166	9.5	1.5	152.5	5
BSZ 160	160	176	9.5	1.5	162.5	5
BSZ 170	170	186	9.5	1.5	172.5	5
BSZ 180	180	196	9.5	1.5	182.5	5
BSZ 190	190	206	9.5	1.5	192.5	5
BSZ 200	200	216	9.5	1.5	202.5	5
BSZ 205	205	221	9.5	1.5	207.5	5
BSZ 210	210	226	9.5	1.5	212.5	5
BSZ 220	220	236	9.5	1.5	222.5	5
BSZ 230	230	246	9.5	1.5	232.5	5
BSZ 235	235	251	9.5	1.5	237.5	5
BSZ 240	240	256	9.5	1.5	242.5	5
BSZ 250	250	266	9.5	1.5	252.5	5
BSZ 260	260	276	9.5	1.5	262.5	5
BSZ 270	270	286	9.5	1.5	272.5	5
BSZ 280	280	296	9.5	1.5	282.5	5
BSZ 290	290	306	9.5	1.5	292.5	5
BSZ 300	300	316	9.5	1.5	302.5	5
BSZ 310	310	326	9.5	1.5	312.5	5
BSZ 320	320	336	9.5	1.5	322.5	5
BSZ 350	350	366	9.5	1.5	352.5	5
BSZ 360	360	376	9.5	1.5	362.5	5
BSZ 370	370	386	9.5	1.5	372.5	5
BSZ 390	390	406	9.5	1.5	392.5	5
BSZ 400	400	424	14	1.5	402.5	8
BSZ 450	450	474	14	1.5	452.5	8
BSZ 480	480	504	14	1.5	482.5	8
BSZ 500	500	524	14	1.5	502.5	8
BSZ 550	550	574	14	1.5	552.5	8
BSZ 600	600	624	14	1.5	602.5	8

BSZ

防尘圈

LBH Wiper

本产品是在沟槽中作紧密配合安装的一种用于液压油缸活塞杆的唇形防尘密封件。

Description: DHS wiper seal is a lip-seal for Rod which fits tightly in the groove.

Advantages:

- High abrasion resistance
- Widely applicable
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+200℃

Speed:≤1m/s

Material

Material:NBR/FKM

Hardness: 80-85 shoreA

Color:black/Brown

使用材料：丁晴橡胶、氟橡胶

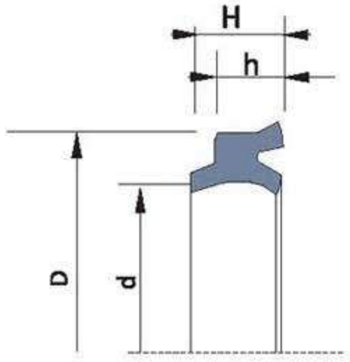
硬度：80-85shoreA

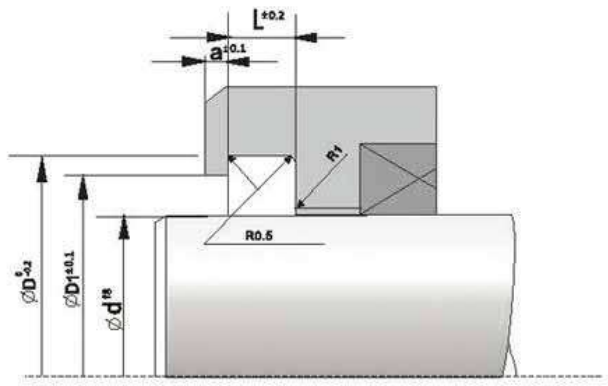
颜色：黑色、棕色

耐磨性能好，容易安装，适用范围广

工作温度：-35~+200℃。（取决于材料）

运行速度：≤1m/s





LBH

规格及沟槽尺寸 specification & groove size

LBH

规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØD1^{\pm0.1}$	$L^{\pm0.2}$	$a^{\pm0.1}$
11.2 – 19.2 – 4.5/6	11.2	19.2	15.5	5	2
12 – 20 – 4.5/6	12	20	16.3	5	2
12.5 – 20.5 – 4.5/6	12.5	20.5	16.8	5	2
14 – 22 – 4.5/6	14	22	18.3	5	2
16 – 22 – 3.2/4	16	22	20.3	5	2
16 – 24 – 4.5/6	16	24	20.3	5	2
18 – 26 – 4.5/6	18	26	22.3	5	2
20 – 28 – 4.5/6	20	28	24.3	5	2
22 – 30 – 4.5/6	22	30	26.3	5	2
22.4 – 30.4 – 4.5/6	22.4	30.4	26.7	5	2
23.5 – 31.5 – 4.5/6	23.5	31.5	27.8	5	2
25 – 33 – 4.5/6	25	33	29.3	5	2
28 – 36 – 4.5/6	28	36	32.5	5	2
30 – 38 – 5/6.5	30	38	34	6	2
31.5 – 39.5 – 5/6.5	31.5	39.5	35.5	6	2
32 – 40 – 5/6.5	32	40	36	6	2
35 – 43 – 5/6.5	35	43	39	6	2
35.5 – 43.5 – 5/6.5	35.5	43.5	39.5	6	2
36 – 44 – 5/6.5	36	44	40	6	2
38 – 46 – 5/6.5	38	46	42	6	2
40 – 48 – 5/6.5	40	48	44	6	2
45 – 53 – 5/6.5	45	53	49	6	2
48 – 56 – 5/6.5	48	56	52	6	2
50 – 58 – 5/6.5	50	58	54	6	2
53 – 61 – 5/6.5	53	61	57	6	2
55 – 63 – 5/6.5	55	63	59	6	2
56 – 64 – 5/6.5	56	64	60	6	2
58 – 66 – 5/6.5	58	66	62	6	2
60 – 68 – 5/6.5	60	68	64	6	2
63 – 71 – 5/6.5	63	71	67	6	2
65 – 73 – 5/6.5	65	73	69	6	2
67 – 75 – 5/6.5	67	75	71	6	2
70 – 80 – 6/8	70	80	75	7	3
71 – 81 – 6/8	71	81	76	7	3
75 – 85 – 6/8	75	85	80	7	3
80 – 90 – 6/8	80	90	85	7	3
85 – 95 – 6/8	85	95	90	7	3
90 – 100 – 6/8	90	100	95	7	3
95 – 105 – 6/8	95	105	100	7	3
98 – 108 – 6/8	98	108	103	7	3
100 – 110 – 6/8	100	110	105	7	3
105 – 115 – 6/8	105	115	110	7	3
106 – 116 – 6/8	106	116	111	7	3
110 – 120 – 6/8	110	120	115	7	3
112 – 122 – 6/8	112	122	117	7	3
115 – 125 – 6/8	115	125	120	7	3
118 – 128 – 6/8	118	128	123	7	3
120 – 130 – 6/8	120	130	125	7	3
125 – 138 – 7/9.5	125	138	132	8	3
130 – 143 – 7/9.5	130	143	137	8	3

LBH

规格及沟槽尺寸 specification & groove size

LBH

规格 specification	沟槽尺寸 Grooves dimensions				
	$Ød^{f8}$	$ØD^{0}_{-0.2}$	$ØD1^{\pm0.1}$	$L^{\pm0.2}$	$a^{\pm0.1}$
132 – 145 – 7/9.5	132	145	139	8	3
136 – 149 – 7/9.5	136	149	143	8	3
140 – 153 – 7/9.5	140	153	147	8	3
145 – 158 – 7/9.5	145	158	152	8	3
150 – 163 – 7/9.5	150	163	157	8	3
153 – 165 – 7/9.5	153	165	160	8	3
153 – 166 – 7/9.5	153	166	160	8	3
155 – 167 – 7/9.5	155	167	162	8	3
155 – 168 – 7/9.5	155	168	162	8	3
160 – 173 – 7/9.5	160	173	167	8	3
165 – 178 – 7/9.5	165	178	172	8	3
165 – 179 – 7/9.5	165	179	172	8	3
170 – 183 – 7/9.5	170	183	177	8	3
175 – 188 – 7/9.5	175	188	182	8	3
180 – 190 – 7/9.5	180	190	187	8	3
180 – 193 – 7/9.5	180	193	187	8	3
190 – 203 – 7/9.5	190	203	197	8	3
200 – 213 – 7/9.5	200	213	207	8	3
204 – 217 – 7/9.5	204	217	211	8	3
205 – 218 – 7/9.5	205	218	212	8	3
210 – 223 – 7/9.5	210	223	217	8	3
220 – 233 – 7/9.5	220	233	227	8	3
224 – 237 – 7/9.5	224	237	231	8	3
225 – 238 – 7/9.5	225	238	232	8	3
230 – 243 – 7/9.5	230	243	237	8	3
240 – 256 – 10/13	240	256	248	11	4
250 – 266 – 10/13	250	266	258	11	4
280 – 296 – 9/12	280	296	288	10	4
310 – 326 – 9/12	310	326	318	10	4
355 – 375 – 10/14	355	375	365	11	5
500 – 520 – 11.5/15.5	500	520	510	12.5	5

LBH

活塞、活塞杆通用密封
UHS Piston/Rod seal

本产品是在一种活塞和活塞杆通用的唇形密封件。

Description: UNS/UHS is a lip-seal which can be used for both piston seal and rod seal.

UHS

Advantages:

- High sealing performance under low pressure
- Not suitable for sealing singly
- Easy installation

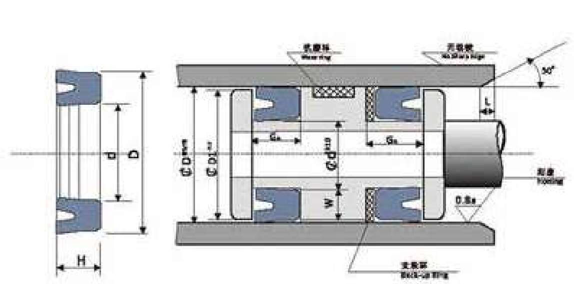
Technical Data

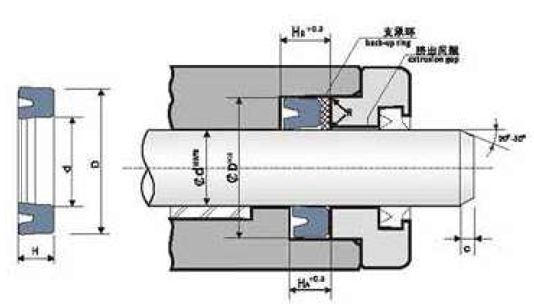
Operating conditions
Pressure: ≤31.5Mpa
Temperature:-35~+100℃
Speed: ≤0.5m/s
Media: Hydraulic oils (mineral oil-based)

Material

Material:PU
Hardness:90-95 ShoreA
Color: Blue/Green/Light/Yellow

使用材料为进口PU
硬度90--95 Shore A
颜色为绿色、兰色、淡黄色
较易安装，低压密封性能好
工作压力：≤31.5Mpa
温度：-35～+100℃
运行速度：≤0.5m／s
介质：液压油（矿物油基）





规格及沟槽尺寸 specification & groove size

UHS

规格	沟槽尺寸 Grooves dimensions				
	活塞用 Piston				
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$	
specification	活塞杆用 Rod				
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$	L
6－12－5	6	12	5.7	7.2	2
11.2－19.2－5	11.2	19.2	5.7	7.2	2
12.5－20.5－5	12.5	20.5	5.7	7.2	2
14－22－5	14	22	5.7	7.2	2
15－23－5	15	23	5.7	7.2	2
16－24－5	16	24	5.7	7.2	2
18－25－5	18	25	5.7	7.2	2
18－26－5	18	26	5.7	7.2	2
18－26.5－8	18	26.5	9	11	2
19－26－6.7	19	26	7.5	10	2
20－26－5	20	26	5.7	7.2	2
20－28－5	20	28	5.7	7.2	2
22－30－5	22	30	5.7	7.2	2
22.4－30－5	22.4	30	5.7	7.2	2
23.5－31.5－5	23.5	31.5	5.7	7.2	2
25－33－5	25	33	5.7	7.2	2
25－33－5.3	25	33	6	7.5	2
26－33－5	26	33	5.7	7.2	2
27－34－5	27	34	5.7	7.2	2
27－35－5	27	35	5.7	7.2	2
27－35－6	27	35	6.8	8.8	2
28－35.5－5	28	35.5	5.7	7.2	2
30－40－6	30	40	7	9	3
31.5－41.5－6	31.5	41.5	7	9	3
32－40－5.5	32	40	6.5	8.5	3
32－42－6	32	42	7	9	3
35－43－6	35	43	7	9	3
35－45－6	35	45	7	9	3
35－45－7	35	45	8	10	3
35.5－45－6	35.5	45	7	9	3
36－46－9	36	46	10	13	3
38－46－6	38	46	7	9	3
38－48－6	38	48	7	9	3
40－48－8	40	48	9	11	3
40－50－6	40	50	7	9	3
45－55－6	45	55	7	9	3
45－56－7	45	56	8	10	3
47－57－6	47	57	7	9	3
48－58－6	48	58	7	9	3
50－60－6	50	60	7	9	3
53－63－6	53	63	7	9	3
55－65－6	55	65	7	9	3
56－66－6	56	66	7	9	3
57－65－5	57	65	5.7	7.2	3
58－68－6	58	68	7	9	3
60－70－6	60	70	7	9	3
60－71－7	60	71	8	10	3
61－71－6	61	71	7	9	3
63－73－6	63	73	7	9	3

UHS

规格及沟槽尺寸 specification & groove size

UHS

规格 / specification	沟槽尺寸 Grooves dimensions — 活塞用 Piston: Ød h10 / 活塞杆用 Rod: Ød H9/f8	活塞用 Piston: ØD H9/f8 / 活塞杆用 Rod: ØD H10	活塞用 Piston: $G_A^{\pm0.2}$ / 活塞杆用 Rod: $H_A^{\pm0.2}$	活塞用 Piston: $G_B^{\pm0.2}$ / 活塞杆用 Rod: $H_B^{\pm0.2}$	L
65 - 75 - 6	65	75	7	9	3
66 - 76 - 6	66	76	7	9	3
67 - 77 - 6	67	77	7	9	3
70 - 78 - 8	70	78	7	11	3
70 - 80 - 6	70	80	7	9	3
71 - 80 - 6	71	80	7	9	3
75 - 85 - 6	75	85	7	9	3
76 - 86 - 6	76	86	7	9	3
80 - 90 - 6	80	90	7	9	3
83.5 - 93.5 - 6	83.5	93.5	7	9	3
85 - 100 - 9	85	100	10	13	4
86 - 96 - 6	86	96	7	9	3
88 - 98 - 6	88	98	7	9	3
90 - 105 - 9	90	105	10	13	4
95 - 110 - 9	95	110	10	13	4
98 - 112 - 9	98	112	10	13	4
100 - 115 - 9	100	115	10	13	4
105 - 120 - 9	105	120	10	13	4
106 - 120 - 8.5	106	120	9.5	11.5	4
110 - 125 - 9	110	125	10	13	4
112 - 125 - 9	112	125	10	13	4
115 - 130 - 9	115	130	10	13	4
120 - 135 - 9	120	135	10	13	4
122 - 135 - 9	122	135	10	13	4
125 - 140 - 9	125	140	10	13	4
130 - 145 - 9	130	145	10	13	4
136 - 150 - 9	136	150	10	13	4
140 - 155 - 9	140	155	10	13	4
145 - 160 - 9	145	160	10	13	4
150 - 165 - 9	150	165	10	13	4
155 - 170 - 9	155	170	10	13	4
160 - 175 - 9	160	175	10	13	4
165 - 180 - 9	165	180	10	13	4
180 - 200 - 12	180	200	13	16	5
180 - 200 - 12.5	180	200	13.5	16.5	5
200 - 220 - 12	200	220	13	16	5
204 - 224 - 12	204	224	13	16	5
230 - 250 - 12	230	250	13	16	5

U H S

活塞、活塞杆通用密封

UNS Piston/Rod seal

本产品是在一种活塞和活塞杆通用的唇形密封件。

Description:UNS/UHS is a lip-seal which can be used for both piston seal and rod seal.

Advantages:

- High sealing performance under low pressure
- Not suitable for sealing singly
- Easy installation

Technical Data

Operating conditions

Pressure: ≤31.5Mpa

Temperature:-35~+100℃

Speed: ≤0.5m/s

Media: Hydraulic oils (mineral oil-based)

Material

Material:PU

Hardness:90-95 ShoreA

Color: Blue/Green/Light/Yellow

使用材料为进口PU

硬度90--95 Shore A

颜色为绿色、兰色、淡黄色

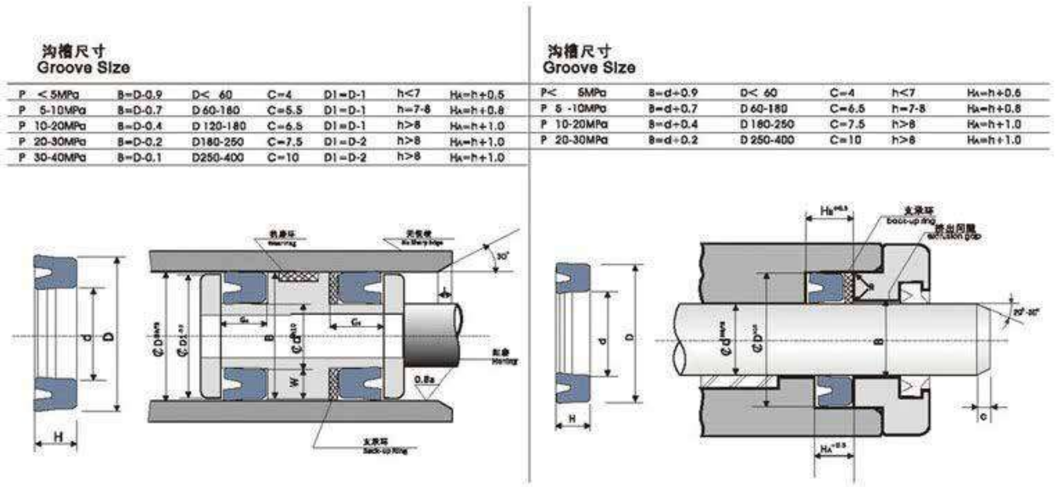
较易安装，低压密封性能好

工作压力：≤31.5Mpa

温度：-35～+100℃

运行速度：≤0.5m/s

介质：液压油（矿物油基）



U N S

UNS

规格及沟槽尺寸 specification & groove size

规格 / specification	沟槽尺寸 Grooves dimensions — 活塞用 Piston: $Ød^{h10}$ / 活塞杆用 Rod: $Ød^{H9/f8}$	活塞用 Piston: $ØD^{H9/f8}$ / 活塞杆用 Rod: $ØD^{H10}$	活塞用 Piston: $G_A^{\pm0.2}$ / 活塞杆用 Rod: $H_A^{\pm0.2}$
4-10-4	4	10	4.5
4-12-4	4	12	4.5
4-12-6	4	12	6.5
5-11-8	5	11	8.8
5-12-5	5	12	5.5
5-12-6	5	12	6.5
5-12-7	5	12	7.8
5-12-8	5	12	8.8
5-14-6	5	14	6.5
5-14-8	5	14	8.8
5-15-6	5	15	6.5
5.8-12-5.2	5.8	12	5.7
6-11-6	6	11	6.5
6-12-4	6	12	4.5
6-12-5	6	12	5.5
6-12-6	6	12	6.5
6-12-7	6	12	7.8
6-14-4.6	6	14	5.1
6-14-6	6	14	6.5
6-15-6	6	15	6.5
6-15-8	6	15	8.8
6-18-8	6	18	8.8
6.3-16.3-8	6.3	16.3	8.8
7-12-4	7	12	4.5
7-12-5	7	12	5.5
7-12-6	7	12	6.5
7-13-4	7	13	4.5
7-14-5	7	14	5.5
7-14-6	7	14	6.5
7.1-17.1-8	7.1	17.1	8.8
8-13-3	8	13	3.5
8-14-4.6	8	14	5.1
8-14-6	8	14	6.5
8-14-8	8	14	8.8
8-15-5	8	15	5.5
8-15-6	8	15	6.5
8-15-8	8	15	8.8
8-16-4.6	8	16	5.1
8-16-6	8	16	6.5
8-16-8	8	16	8.8
8-18-8	8	18	8.8
8-18-10	8	18	11
8-20-8	8	20	8.8
8-20-10	8	20	11
8-22-10	8	22	11
9-15-8	9	15	8.8
9-16-4	9	16	4.5
9-16-6	9	16	6.5
9-16-8	9	16	8.8

规格 / specification	沟槽尺寸 Grooves dimensions — 活塞用 Piston: $Ød^{h10}$ / 活塞杆用 Rod: $Ød^{H9/f8}$	活塞用 Piston: $ØD^{H9/f8}$ / 活塞杆用 Rod: $ØD^{H10}$	活塞用 Piston: $G_A^{\pm0.2}$ / 活塞杆用 Rod: $H_A^{\pm0.2}$
9-19-6	9	19	6.5
9-19-8	9	19	8.8
9.5-14-2.5	9.5	14	3
10-15-6	10	15	6.5
10-16-4	10	16	4.5
10-16-4.5	10	16	5
10-16-5	10	16	5.5
10-16-5.5	10	16	6
10-16-6	10	16	6.5
10-16-8	10	16	8.8
10-17-5	10	17	5.5
10-18-5	10	18	5.5
10-18-5.5	10	18	6
10-18-6	10	18	6.5
10-18-7	10	18	7.8
10-18-8	10	18	8.8
10-19-7	10	19	7.8
10-20-6	10	20	6.5
10-20-8	10	20	8.8
10-20-10	10	20	11
10-22-6	10	22	6.5
10-22-8	10	22	8.8
10-25-8	10	25	8.8
11-17-4.5	11	17	5
11-17-5	11	17	5.5
11.2-19.2-6	11.2	19.2	6.5
11.2-21.2-8	11.2	21.2	8.8
12-16-4	12	16	4.5
12-16-5	12	16	5.5
12-16-6	12	16	6.5
12-17-4	12	17	4.5
12-18-4	12	18	4.5
12-18-5	12	18	5.5
12-18-6	12	18	6.5
12-18-8	12	18	8.8
12-19-3.5	12	19	4
12-19-5	12	19	5.5
12-20-5	12	20	5.5
12-20-6	12	20	6.5
12-20-7	12	20	7.8
12-20-8	12	20	8.8
12-22-5	12	22	5.5
12-22-5.5	12	22	6
12-22-7	12	22	7.8
12-22-8	12	22	8.8
12-24-6	12	24	6.5
12-24-8	12	24	8.8
12-25-8	12	25	8.8
12-29-5	12	29	5.5

UNS

规格及沟槽尺寸 specification & groove size

规格 / specification	沟槽尺寸 Grooves dimensions — 活塞用 Piston: $Ød^{h10}$ / 活塞杆用 Rod: $Ød^{H9/f8}$	活塞用 Piston: $ØD^{H9/f8}$ / 活塞杆用 Rod: $ØD^{H10}$	活塞用 Piston: $G_A^{\pm0.2}$ / 活塞杆用 Rod: $H_A^{\pm0.2}$
12.5-22.5-6	12.5	22.5	6.5
12.5-22.5-8	12.5	22.5	8.8
13-18-5	13	18	5.5
13-19-3.5	13	19	4
13-19-5	13	19	5.5
13-20-4	13	20	4.5
13-20-5.5	13	20	6
13-21-5	13	21	5.5
14-20-4	14	20	4.5
14-20-4.4	14	20	4.9
14-20-5	14	20	5.5
14-20-6	14	20	6.5
14-20-8	14	20	8.8
14-22-4	14	22	4.5
14-22-4.5	14	22	5
14-22-6	14	22	6.5
14-22-7	14	22	7.8
14-22-8	14	22	8.8
14-24-5	14	24	5.5
14-24-6	14	24	6.5
14-24-8	14	24	8.8
14-26-5	14	26	5.5
14-26-8	14	26	8.8
14-28-8	14	28	8.8
14-30-5	14	30	5.5
14-30-6	14	30	6.5
15-20-6	15	20	6.5
15-20-8	15	20	8.8
15-22-5	15	22	5.5
15-22-6	15	22	6.5
15-22-7	15	22	7.5
15-22-8	15	22	8.8
15-23-5.7	15	23	6.2
15-23-10	15	23	11
15-25-5	15	25	5.5
15-25-7	15	25	7.8
15-25-8	15	25	8.8
15-27-6	15	27	6.5
15-28-8	15	28	8.8
15-28-10	15	28	11
15-30-5.5	15	30	6
15-30-8	15	30	8.8
15-30-10	15	30	11
16-22-4	16	22	4.5
16-22-5	16	22	5.5
16-22-6	16	22	6.5
16-22-7	16	22	7.8
16-22-8	16	22	8.8
16-24-4	16	24	4.5

规格 / specification	沟槽尺寸 Grooves dimensions — 活塞用 Piston: $Ød^{h10}$ / 活塞杆用 Rod: $Ød^{H9/f8}$	活塞用 Piston: $ØD^{H9/f8}$ / 活塞杆用 Rod: $ØD^{H10}$	活塞用 Piston: $G_A^{\pm0.2}$ / 活塞杆用 Rod: $H_A^{\pm0.2}$
16-24-5	16	24	5.5
16-24-6	16	24	6.5
16-24-8	16	24	8.8
16-24-10	16	24	11
16-25-5	16	25	5.5
16-26-5	16	26	5.5
16-26-6	16	26	6.5
16-26-8	16	26	8.8
16-26-10	16	26	11
16-28-6	16	28	6.5
16-28-8	16	28	8.8
16-32-8	16	32	8.8
16.6-22-4.3	16.6	22	4.8
17-25-5	17	25	5.5
17-25-6	17	25	6.5
17-25-10	17	25	11
17-27-5	17	27	5.5
17-27-7	17	27	7.8
17-27-8	17	27	8.8
17-32-10	17	32	11
18-24-4	18	24	4.5
18-24-5	18	24	5.5
18-24-8	18	24	8.8
18-25-5.5	18	25	6
18-25-6	18	25	6.5
18-26-6	18	26	6.5
18-26-8	18	26	8.5
18-26-10	18	26	11
18-28-6	18	28	6.5
18-28-8	18	28	8.8
18-28-8.2	18	28	9.2
18-28-9	18	28	10
18-28-10	18	28	11
18-30-6	18	30	6.5
18-30-8	18	30	8.8
18-30-9	18	30	10
18-32-7	18	32	7.8
18-32-8	18	32	8.8
18-34-8	18	34	8.8
19-24-5	19	24	5.5
19-25-5	19	25	5.5
19-25-6	19	25	6.5
19-25-7	19	25	7.8
19-25.4-4.8	19	25.4	5.3
19-26-5	19	26	5.5
19-27-5	19	27	5.5
19-27-6	19	27	6.5
19-27-7.5	19	27	8.3
19-28-5	19	28	5.5

UNS

规格及沟槽尺寸 specification & groove size

UNS

规格 / specification	沟槽尺寸 Grooves dimensions		
规格	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
19 - 28 - 7	19	28	7.8
19 - 32 - 8	19	32	8.8
19 - 34 - 8	19	34	8.8
19.05 - 25.4 - 6.35	19.05	25.4	6.85
19.3 - 25.4 - 6.35	19.3	25.4	6.85
19.3 - 26 - 5	19.3	26	5.5
20 - 25 - 4	20	25	4.5
20 - 25 - 8	20	25	8.8
20 - 26 - 3.5	20	26	4
20 - 26 - 6	20	26	6.5
20 - 27 - 5	20	27	5.5
20 - 27 - 6	20	27	6.5
20 - 28 - 6	20	28	6.5
20 - 28 - 7	20	28	7.8
20 - 28 - 8	20	28	8.8
20 - 30 - 5	20	30	5.5
20 - 30 - 6	20	30	6.5
20 - 30 - 7	20	30	7.8
20 - 30 - 8	20	30	8.8
20 - 30 - 8.2	20	30	9.2
20 - 30 - 10	20	30	11
20 - 32 - 5	20	32	5.5
20 - 32 - 6	20	32	6.5
20 - 32 - 8	20	32	8.8
20 - 32 - 10	20	32	11
20 - 33 - 10	20	33	11
20 - 35 - 6	20	35	6.5
20 - 35 - 7	20	35	7.8
20 - 35 - 10	20	35	11
20 - 36 - 6	20	36	6.5
20 - 36 - 8	20	36	8.8
20 - 37 - 7	20	37	7.8
20 - 38 - 6	20	38	6.5
20 - 40 - 10	20	40	11
20 - 40 - 12	20	40	13
20 - 47 - 8	20	47	8.8
20.5 - 28 - 5	20.5	28	5.5
21 - 26.5 - 6	21	26.5	6.5
21 - 29 - 4.5	21	29	5
21 - 29.5 - 5.5	21	29.5	6
21 - 30 - 10	21	30	11
21.7 - 30 - 10	21.7	30	11
22 - 27.6 - 4.3	22	27.6	4.8
22 - 28 - 4	22	28	4.5
22 - 28 - 4.5	22	28	5
22 - 28 - 5	22	28	5.5
22 - 28 - 6	22	28	6.5
22 - 28 - 8	22	28	8.8
22 - 30 - 5	22	30	5.5

规格 / specification	沟槽尺寸 Grooves dimensions		
规格	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
22 - 30 - 5.8	22	30	6.3
22 - 30 - 6	22	30	6.5
22 - 30 - 8	22	30	8.8
22 - 31 - 5.5	22	31	6
22 - 32 - 5	22	32	5.5
22 - 32 - 5.8	22	32	6.3
22 - 32 - 6	22	32	6.5
22 - 32 - 7	22	32	7.8
22 - 32 - 8	22	32	8.8
22 - 32 - 10	22	32	11
22 - 34 - 10	22	34	11
22 - 35 - 6	22	35	6.5
22 - 35 - 10	22	35	11
22 - 36 - 7	22	36	7.8
22 - 36 - 9	22	36	10
22 - 40 - 10	22	40	11
22 - 40 - 12	22	40	13
22.4 - 28 - 5	22.4	28	5.5
22.4 - 30 - 5	22.4	30	5.5
22.4 - 32.4 - 8	22.4	32.4	8.8
22.5 - 31.5 - 5	22.5	31.5	5.5
23 - 30 - 5	23	30	5.5
23 - 35 - 5.6	23	35	6.1
23 - 35 - 6	23	35	6.5
23 - 35 - 6.5	23	35	7
23 - 35 - 6.6	23	35	7.1
23 - 36 - 7	23	36	7.8
23.5 - 31.5 - 5	23.5	31.5	5.5
23.5 - 33.5 - 8	23.5	33.5	8.8
24 - 30 - 6	24	30	6.5
24 - 32 - 4	24	32	4.5
24 - 32 - 5	24	32	5.5
24 - 32 - 7	24	32	7.8
24 - 36 - 6.5	24	36	7
24 - 36 - 7	24	36	7.8
24 - 40 - 8	24	40	8.8
24 - 40 - 10	24	40	11
24 - 50 - 12	24	50	13
25 - 30 - 5	25	30	5.5
25 - 30 - 6	25	30	6.5
25 - 32 - 4	25	32	4.5
25 - 32 - 6	25	32	6.5
25 - 32 - 7	25	32	7.8
25 - 32 - 8	25	32	8.8
25 - 32.5 - 6.35	25	32.5	6.85
25 - 32.7 - 6.35	25	32.7	6.85
25 - 33 - 5	25	33	5.5
25 - 33 - 5.5	25	33	6
25 - 33 - 5.6	25	33	6.1

规格及沟槽尺寸 specification & groove size

UNS

规格 / specification	沟槽尺寸 Grooves dimensions		
规格	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
25 - 33 - 6	25	33	6.5
25 - 33 - 7	25	33	7.8
25 - 33 - 8	25	33	8.8
25 - 33 - 10	25	33	11
25 - 34 - 5	25	34	5.5
25 - 35 - 5	25	35	5.5
25 - 35 - 5.6	25	35	6.1
25 - 35 - 6.5	25	35	7
25 - 35 - 7	25	35	7.8
25 - 35 - 8	25	35	8.8
25 - 35 - 10	25	35	11
25 - 36 - 6	25	36	6.5
25 - 36 - 7	25	36	7.8
25 - 36 - 10	25	36	11
25 - 37 - 6	25	37	6.5
25 - 37 - 9	25	37	10
25 - 38 - 6	25	38	6.5
25 - 38 - 7	25	38	7.8
25 - 38 - 8	25	38	8.8
25 - 38 - 10	25	38	11
25 - 40 - 7	25	40	7.8
25 - 40 - 8	25	40	8.8
25 - 40 - 10	25	40	11
25 - 40 - 11	25	40	12
25 - 42 - 8	25	42	8.8
25 - 43 - 8	25	43	8.8
25 - 45 - 10	25	45	11
25 - 48 - 10	25	48	11
25 - 50 - 10	25	50	11
25 - 55 - 10	25	55	11
25.4 - 31.7 - 6.3	25.4	31.7	6.8
26 - 32 - 4.7	26	32	5.2
26 - 32 - 8	26	32	8.8
26 - 36 - 5	26	36	5.5
26 - 36 - 8	26	36	8.8
26 - 38 - 8	26	38	8.8
27 - 34 - 5	27	34	5.5
27 - 35 - 5	27	35	5.5
27 - 35 - 6	27	35	6.5
27 - 35 - 9	27	35	10
27 - 36 - 6	27	36	6.5
27 - 37 - 6	27	37	6.5
27 - 40 - 10	27	40	11
27.5 - 43 - 10	27.5	43	11
28 - 34 - 5	28	34	5.5
28 - 34 - 5.3	28	34	5.8
28 - 35 - 5	28	35	5.5
28 - 35 - 5.5	28	35	6
28 - 35 - 6	28	35	6.5

规格 / specification	沟槽尺寸 Grooves dimensions		
规格	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
28 - 35 - 10	28	35	11
28 - 36 - 4	28	36	4.5
28 - 36 - 5	28	36	5.5
28 - 36 - 6	28	36	6.5
28 - 36 - 7.5	28	36	8.3
28 - 36 - 8	28	36	8.8
28 - 36 - 10	28	36	11
28 - 38 - 5.6	28	38	6.1
28 - 38 - 7	28	38	7.8
28 - 38 - 7.3	28	38	8.1
28 - 38 - 8	28	38	8.8
28 - 38 - 10	28	38	11
28 - 40 - 6	28	40	6.5
28 - 40 - 6.5	28	40	7
28 - 40 - 8	28	40	8.8
28 - 40 - 10	28	40	11
28 - 43 - 10	28	43	11
28 - 43 - 10.2	28	43	11.2
28 - 44 - 8	28	44	8.8
28 - 48 - 8	28	48	8.8
28 - 48 - 10	28	48	11
28 - 50 - 10	28	50	11
30 - 36 - 6	30	36	6.5
30 - 37 - 4	30	37	4.5
30 - 37 - 6	30	37	6.5
30 - 37 - 6.5	30	37	7
30 - 37 - 7	30	37	7.8
30 - 37 - 10	30	37	11
30 - 38 - 5	30	38	5.5
30 - 38 - 6	30	38	6.5
30 - 38 - 7	30	38	7.8
30 - 38 - 8	30	38	8.8
30 - 40 - 5	30	40	5.5
30 - 40 - 5.5	30	40	6
30 - 40 - 6	30	40	6.5
30 - 40 - 6.5	30	40	7
30 - 40 - 7	30	40	7.8
30 - 40 - 8	30	40	8.8
30 - 40 - 10	30	40	11
30 - 42 - 6	30	42	6.5
30 - 42 - 7	30	42	7.8
30 - 42 - 8	30	42	8.8
30 - 42 - 10.2	30	42	11.2
30 - 43 - 6	30	43	6.5
30 - 43 - 6.5	30	43	7
30 - 43 - 7	30	43	7.8
30 - 43 - 10	30	43	11
30 - 43.6 - 9.5	30	43.6	10.5
30 - 45 - 6	30	45	6.5

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规格及沟槽尺寸 specification & groove size

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规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
规格	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
	活塞杆用 Rod		
specification	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
30 - 45 - 7	30	45	7.8
30 - 45 - 10	30	45	11
30 - 45 - 10.2	30	45	11.2
30 - 45 - 12	30	45	13
30 - 46 - 8	30	46	8.8
30 - 47 - 7	30	47	7.8
30 - 50 - 6	30	50	6.5
30 - 50 - 8	30	50	8.8
30 - 50 - 10	30	50	11
30 - 50 - 12	30	50	13
30 - 52 - 10	30	52	11
31 - 47 - 10	31	47	11
31 - 47 - 12	31	47	13
31.5 - 44.3 - 9.5	31.5	44.3	10.5
31.5 - 46.5 - 10.2	31.5	46.5	11.2
32 - 36 - 6	32	36	6.5
32 - 38 - 6	32	38	6.5
32 - 38 - 7	32	38	7.8
32 - 40 - 4	32	40	4.5
32 - 40 - 5	32	40	5.5
32 - 40 - 5.5	32	40	6
32 - 40 - 5.6	32	40	6.1
32 - 40 - 6	32	40	6.5
32 - 40 - 6.5	32	40	7
32 - 40 - 7	32	40	7.8
32 - 40 - 8	32	40	8.8
32 - 40 - 10	32	40	11
32 - 42 - 7	32	42	7.8
32 - 42 - 7.3	32	42	8.3
32 - 42 - 7.5	32	42	8.5
32 - 42 - 8	32	42	8.8
32 - 42 - 8.2	32	42	9.2
32 - 42 - 10	32	42	11
32 - 45 - 6	32	45	6.5
32 - 45 - 8	32	45	8.8
32 - 45 - 10	32	45	11
32 - 46 - 10	32	46	11
32 - 47 - 8	32	47	8.8
32 - 47 - 10	32	47	11
32 - 48 - 8	32	48	8.8
32 - 48 - 10	32	48	11
32 - 50 - 12	32	50	13
32 - 52 - 10	32	52	11
32 - 52 - 12	32	52	13
33 - 40 - 4.5	33	40	5
33 - 40 - 5	33	40	5.5
33 - 40 - 6	33	40	6.5
33 - 40 - 8	33	40	8.8
33 - 55 - 15	33	55	16

规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
规格	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
	活塞杆用 Rod		
specification	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
33.78 - 46 - 9	33.78	46	10
34 - 40 - 4	34	40	4.5
34 - 40 - 6	34	40	6.5
34 - 41.5 - 5	34	41.5	5.5
34 - 42 - 5	34	42	5.5
34 - 44 - 10	34	44	11
34 - 45 - 10	34	45	11
34.925 - 44.45 - 6.35	34.925	44.45	6.85
35 - 41 - 5	35	41	5.5
35 - 42 - 6	35	42	6.5
35 - 42 - 7	35	42	7.8
35 - 42 - 8	35	42	8.8
35 - 43 - 5	35	43	5.5
35 - 43 - 6	35	43	6.5
35 - 43 - 6.3	35	43	6.8
35 - 43 - 7	35	43	7.8
35 - 43 - 8	35	43	8.8
35 - 43 - 10	35	43	11
35 - 45 - 5	35	45	5.5
35 - 45 - 8	35	45	8.8
35 - 45 - 10	35	45	11
35 - 46 - 8	35	46	8.8
35 - 46 - 10	35	46	11
35 - 47 - 6	35	47	6.5
35 - 47 - 10	35	47	11
35 - 48 - 6	35	48	6.5
35 - 48 - 8	35	48	8.8
35 - 48 - 10	35	48	11
35 - 50 - 9	35	50	10
35 - 50 - 10	35	50	11
35 - 50 - 10.2	35	50	11.2
35 - 50 - 11.5	35	50	12.5
35 - 50 - 12	35	50	13
35 - 51 - 10	35	51	11
35 - 52 - 8	35	52	8.8
35 - 52 - 10	35	52	11
35 - 55 - 10.2	35	55	11.2
35 - 55 - 12	35	55	13
35 - 58 - 10	35	58	11
35 - 65 - 12	35	65	13
35.5 - 47.5 - 12	35.5	47.5	13
35.5 - 50.5 - 10.2	35.5	50.5	11.2
36 - 43 - 8	36	43	8.8
36 - 44 - 8	36	44	8.8
36 - 46 - 6	36	46	6.5
36 - 46 - 7	36	46	7.8
36 - 48 - 4	36	48	4.5
36 - 48 - 8	36	48	8.8
36 - 50 - 8	36	50	8.8

规格及沟槽尺寸 specification & groove size

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规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
规格	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
	活塞杆用 Rod		
specification	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
37 - 47 - 7	37	47	7.8
37 - 47 - 8	37	47	8.8
37 - 47 - 10	37	47	11
37 - 57 - 7	37	57	7.8
37 - 57 - 10	37	57	11
38 - 44 - 5	38	44	5.5
38 - 44 - 5.3	38	44	5.8
38 - 44.5 - 4.8	38	44.5	5.3
38 - 44.5 - 5.8	38	44.5	6.3
38 - 45 - 7	38	45	7.8
38 - 45 - 8	38	45	8.8
38 - 46 - 6	38	46	6.5
38 - 48 - 6	38	48	6.5
38 - 48 - 7	38	48	7.8
38 - 48 - 8	38	48	8.8
38 - 48 - 10	38	48	11
38 - 50 - 6	38	50	6.5
38 - 50 - 9	38	50	10
38 - 50 - 10	38	50	11
38 - 51 - 10	38	51	11
38 - 52 - 10	38	52	11
38 - 53 - 10	38	53	11
38 - 54 - 10	38	54	11
38 - 55 - 6	38	55	6.5
38 - 55 - 8	38	55	8.8
38 - 55 - 10	38	55	11
38 - 58 - 10	38	58	11
38 - 60 - 10	38	60	11
38 - 62 - 12	38	62	13
38.1 - 48.1 - 8	38.1	48.1	8.8
40 - 48 - 6	40	48	6.5
40 - 48 - 8	40	48	8.8
40 - 50 - 6.5	40	50	7
40 - 50 - 7	40	50	7.8
40 - 50 - 7.3	40	50	8.1
40 - 50 - 8	40	50	8.8
40 - 50 - 9	40	50	10
40 - 50 - 10	40	50	11
40 - 52 - 8	40	52	8.8
40 - 52 - 10	40	52	11
40 - 55 - 6.5	40	55	7
40 - 55 - 7	40	55	7.8
40 - 55 - 7.2	40	55	8
40 - 55 - 8	40	55	8.8
40 - 55 - 10	40	55	11
40 - 55 - 10.2	40	55	11.2
40 - 56 - 8	40	56	8.8
40 - 56 - 10	40	56	11
40 - 56 - 12	40	56	13

规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
规格	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
	活塞杆用 Rod		
specification	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
40 - 58 - 10	40	58	11
40 - 60 - 10	40	60	11
40 - 60 - 12	40	60	13
40 - 65 - 10	40	65	11
40 - 65 - 12	40	65	13
40.8 - 50.8 - 6	40.8	50.8	7
42 - 47 - 6	42	47	6.5
42 - 50 - 5.7	42	50	6.2
42 - 50 - 6	42	50	6.5
42 - 50 - 8	42	50	8.8
42 - 52 - 8	42	52	8.8
42 - 52 - 10	42	52	11
42 - 55 - 8	42	55	8.8
42 - 55 - 10	42	55	11
42 - 62 - 12	42	62	13
43 - 53 - 6	43	53	6.5
43 - 63 - 10	43	63	11
43 - 66 - 8	43	66	8.8
44 - 50 - 8.6	44	50	9.6
44 - 50 - 10	44	50	11
44.5 - 57.15 - 9.52	44.5	57.15	10.52
45 - 50 - 7.3	45	50	8.3
45 - 53 - 6	45	53	6.5
45 - 53 - 8	45	53	8.8
45 - 55 - 5	45	55	5.5
45 - 55 - 6.5	45	55	7
45 - 55 - 7	45	55	7.8
45 - 55 - 7.3	45	55	8.1
45 - 55 - 8	45	55	8.8
45 - 55 - 10	45	55	11
45 - 57 - 8	45	57	8.8
45 - 57 - 9	45	57	10
45 - 58 - 10	45	58	11
45 - 60 - 9	45	60	10
45 - 60 - 10	45	60	11
45 - 60 - 10.2	45	60	11.2
45 - 60 - 11.4	45	60	12.4
45 - 60 - 12	45	60	13
45 - 60 - 12.5	45	60	13.5
45 - 62 - 13	45	62	14
45 - 63 - 10	45	63	11
45 - 63 - 12	45	63	13
45 - 65 - 8	45	65	8.8
45 - 65 - 10	45	65	11
45 - 65 - 10.2	45	65	11.2
45 - 65 - 12	45	65	13
45 - 67 - 8	45	67	8.8
45 - 67 - 10	45	67	11
45 - 70 - 10	45	70	11

规格及沟槽尺寸 specification & groove size

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规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød h10	ØD H9/f8	$G_A^{\pm0.2}$
	活塞杆用 Rod		
	Ød H9/f8	ØD H10	$H_A^{\pm0.2}$
45 - 70 - 11	45	70	12
45 - 70 - 16	45	70	17
46.5 - 60.5 - 10	46.5	60.5	11
47 - 57 - 7	47	57	7.8
47 - 57 - 8	47	57	8.8
47 - 57 - 9	47	57	10
47 - 57 - 10	47	57	11
47 - 72 - 16	47	72	17
48 - 58 - 6	48	58	6.5
48 - 58 - 7	48	58	7.8
48 - 60 - 8	48	60	8.8
48 - 60 - 9	48	60	10
48 - 60 - 10	48	60	11
48 - 60 - 12	48	60	13
48 - 63 - 6	48	63	6.5
48 - 63 - 10.2	48	63	11.2
48 - 63 - 11.5	48	63	12.5
48 - 65 - 10.2	48	65	11.2
50 - 57 - 10	50	57	11
50 - 58 - 7	50	58	7.8
50 - 58 - 8	50	58	8.8
50 - 60 - 7	50	60	7.8
50 - 60 - 8	50	60	8.8
50 - 60 - 10	50	60	11
50 - 60 - 11	50	60	12
50 - 60 - 12	50	60	13
50 - 62 - 6	50	62	6.5
50 - 62 - 9.5	50	62	10.5
50 - 62 - 10	50	62	11
50 - 63 - 6	50	63	6.5
50 - 63 - 6.5	50	63	7
50 - 63 - 7	50	63	7.8
50 - 63 - 8	50	63	8.8
50 - 63 - 10	50	63	11
50 - 63 - 15	50	63	16
50 - 65 - 6	50	65	6.5
50 - 65 - 8	50	65	8.8
50 - 65 - 9	50	65	10
50 - 65 - 10	50	65	11
55 - 65 - 12	50	65	13
50 - 66 - 12	50	66	13
50 - 67 - 6	50	67	6.5
50 - 68 - 10	50	68	11
50 - 70 - 10	50	70	11
50 - 70 - 12	50	70	13
50 - 72 - 9	50	72	10
50 - 72 - 10	50	72	11
50 - 72 - 12	50	72	13
50 - 75 - 10	50	75	11

规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød h10	ØD H9/f8	$G_A^{\pm0.2}$
	活塞杆用 Rod		
	Ød H9/f8	ØD H10	$H_A^{\pm0.2}$
50 - 75 - 12	50	75	13
50 - 80 - 12	50	80	13
50.8 - 63.5 - 7	50.8	63.5	7.8
50.8 - 63.5 - 9.35	50.8	63.5	10.35
51 - 63 - 10	51	63	11
52 - 60 - 8	52	60	8.8
52 - 62 - 7	52	62	7.8
52 - 62 - 10	52	62	11
52 - 62 - 12	52	62	13
52 - 65 - 8.5	52	65	9.5
52 - 70 - 10	52	70	11
53 - 63 - 6.5	53	63	7
53 - 63 - 8	53	63	8.8
53 - 63 - 10	53	63	11
53 - 65 - 8	53	65	8.8
53 - 73 - 12	53	73	13
53.5 - 63.5 - 7	53.5	63.5	7.8
55 - 63 - 8	55	63	8.8
55 - 63 - 10	55	63	11
55 - 65 - 5	55	65	6
55 - 65 - 6.5	55	65	7
55 - 65 - 7.5	55	65	8.3
55 - 65 - 8	55	65	8.8
55 - 65 - 10	55	65	11
55 - 65 - 12	55	65	13
55 - 68 - 7	55	68	7.8
55 - 68 - 10	55	68	11
55 - 70 - 6	55	70	6.5
55 - 70 - 7	55	70	7.8
55 - 70 - 9	55	70	10
55 - 70 - 10	55	70	11
55 - 70 - 11.4	55	70	12.4
55 - 70 - 11.5	55	70	12.5
55 - 70 - 12	55	70	13
55 - 71 - 12	55	71	13
55 - 72 - 8	55	72	8.8
55 - 75 - 8	55	75	8.8
55 - 75 - 9	55	75	10
55 - 75 - 10	55	75	11
55 - 75 - 12	55	75	13
55 - 75 - 15	55	75	16
55 - 78 - 7	55	78	7.8
55 - 78 - 10	55	78	11
55 - 79 - 12	55	79	13
55 - 80 - 10	55	80	11
55 - 80 - 12	55	80	13
56 - 76 - 15	56	76	16
57 - 77 - 10	57	77	11
58 - 68 - 7	58	68	7.8

规格及沟槽尺寸 specification & groove size

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规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød h10	ØD H9/f8	$G_A^{\pm0.2}$
	活塞杆用 Rod		
	Ød H9/f8	ØD H10	$H_A^{\pm0.2}$
58 - 68 - 8	58	68	8.8
58 - 72 - 12	58	72	13
58 - 80 - 15	58	80	16
60 - 68 - 6	60	68	6.5
60 - 68 - 8	60	68	8.8
60 - 68 - 12	60	68	13
60 - 68 - 13.5	60	68	14.5
60 - 70 - 6	60	70	6.5
60 - 70 - 7	60	70	7.8
60 - 70 - 8	60	70	8.8
60 - 70 - 10	60	70	11
60 - 70 - 12	60	70	13
60 - 72 - 10	60	72	11
60 - 73 - 12	60	73	13
60 - 75 - 6	60	75	6.5
60 - 75 - 9	60	75	10
60 - 75 - 10	60	75	11
60 - 75 - 12	60	75	13
60 - 75 - 15	60	75	16
60 - 76 - 12	60	76	13
60 - 77 - 20	60	77	21
60 - 80 - 10	60	80	11
60 - 80 - 11	60	80	12
60 - 80 - 12	60	80	13
60 - 80 - 18	60	80	19
60 - 83 - 13.5	60	83	14.5
60 - 85 - 12	60	85	13
60 - 90 - 10	60	90	11
60 - 90 - 12	60	90	13
60 - 90 - 15	60	90	16
61 - 71 - 6	61	71	6.5
62 - 72 - 8	62	72	8.8
62 - 82 - 10	62	82	11
62 - 82 - 12	62	82	13
62 - 90 - 12	62	90	13
63 - 73 - 6.5	63	73	7
63 - 73 - 8	63	73	8.8
63 - 73 - 10	63	73	11
63 - 73 - 12	63	73	13
63 - 75 - 8.7	63	75	9.7
63 - 75 - 10	63	75	11
63 - 76 - 10	63	76	11
63 - 78 - 10	63	78	11
63 - 78 - 12	63	78	13
63 - 83 - 12	63	83	13
63 - 83 - 13	63	83	14
63 - 83 - 15	63	83	16
65 - 73 - 5	65	73	5.5
65 - 73 - 6	65	73	6.5

规格 / specification	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød h10	ØD H9/f8	$G_A^{\pm0.2}$
	活塞杆用 Rod		
	Ød H9/f8	ØD H10	$H_A^{\pm0.2}$
65 - 73 - 7	65	73	7.8
65 - 73 - 8	65	73	8.8
65 - 73 - 9	65	73	10
65 - 73 - 12	65	73	13
65 - 75 - 8	65	75	8.8
65 - 75 - 10	65	75	11
65 - 75 - 12	65	75	13
65 - 76 - 9	65	76	10
65 - 77 - 10	65	77	11
65 - 78 - 10	65	78	11
65 - 78 - 12	65	78	13
65 - 78 - 12.5	65	78	13.5
65 - 79 - 10	65	79	11
65 - 80 - 8	65	80	8.8
65 - 80 - 9	65	80	10
65 - 80 - 10	65	80	11
65 - 80 - 11	65	80	12
65 - 80 - 12	65	80	13
65 - 80 - 13	65	80	14
65 - 85 - 10	65	85	11
65 - 85 - 12	65	85	13
65 - 85 - 15	65	85	16
65 - 90 - 12	65	90	13
65 - 90 - 15	65	90	16
65 - 95 - 12	65	95	13
66.2 - 76.2 - 7	66.2	76.2	7.8
67 - 77 - 10	67	77	11
67 - 87 - 12	67	87	13
68 - 80 - 10	68	80	11
70 - 78 - 6	70	78	6.5
70 - 78 - 8	70	78	8.8
70 - 78 - 10	70	78	11
70 - 80 - 6.5	70	80	7
70 - 80 - 8	70	80	8.8
70 - 80 - 9	70	80	10
70 - 80 - 10	70	80	11
70 - 80 - 12	70	80	13
70 - 82 - 10	70	82	11
70 - 83 - 9.5	70	83	10.5
70 - 83 - 10	70	83	11
70 - 83 - 12	70	83	13
70 - 84 - 10	70	84	11
70 - 85 - 5.5	70	85	6
70 - 85 - 8	70	85	8.8
70 - 85 - 9	70	85	10
70 - 85 - 10	70	85	11
70 - 85 - 10.5	70	85	11.5
70 - 85 - 11.2	70	85	12.2
70 - 85 - 11.4	70	85	12.4

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规格及沟槽尺寸 specification & groove size

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规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
70 - 85 - 12	70	85	13
70 - 88 - 9	70	88	10
70 - 88 - 10	70	88	11
70 - 88 - 12	70	88	13
70 - 90 - 10	70	90	11
70 - 90 - 12	70	90	13
70 - 90 - 15	70	90	16
70 - 95 - 10	70	95	11
70 - 95 - 12	70	95	13
70 - 95 - 13	70	95	14
70 - 100 - 14	70	100	15
70 - 102 - 12	70	102	13
71 - 91 - 12	71	91	13
72 - 85 - 10	72	85	11
72 - 87 - 9	72	87	10
73 - 85 - 10	73	85	11
75 - 85 - 5.5	75	85	6
75 - 85 - 8	75	85	8.8
75 - 85 - 10	75	85	11
75 - 85 - 12	75	85	13
75 - 90 - 8.5	75	90	9.5
75 - 90 - 9	75	90	10
75 - 90 - 9.5	75	90	10.5
75 - 90 - 10	75	90	11
75 - 90 - 12	75	90	13
75 - 95 - 10	75	95	11
75 - 95 - 12	75	95	13
75 - 95 - 13	75	95	14
75 - 95 - 15	75	95	16
75 - 99 - 12	75	99	13
75 - 100 - 12	75	100	13
76 - 88 - 9.5	76	88	10.5
76 - 88 - 10	76	88	11
76 - 95 - 9.52	76	95	10.52
76.5 - 90.5 - 10	76.5	90.5	11
77 - 87 - 12	77	87	13
77 - 88 - 12	77	88	13
80 - 88 - 8	80	88	8.8
80 - 90 - 6.5	80	90	7
80 - 90 - 7	80	90	7.8
80 - 90 - 8	80	90	8.8
80 - 90 - 9	80	90	10
80 - 90 - 10	80	90	11
80 - 90 - 12	80	90	13
80 - 92 - 7	80	92	7.8
80 - 92 - 10	80	92	11
80 - 93 - 10	80	93	11
80 - 93 - 12	80	93	13
80 - 93 - 13	80	93	14

规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
80 - 95 - 9	80	95	10
80 - 95 - 10	80	95	11
80 - 95 - 11.4	80	95	12.4
80 - 95 - 12	80	95	13
80 - 100 - 8	80	100	8.8
80 - 100 - 10	80	100	11
80 - 100 - 12	80	100	13
80 - 100 - 13	80	100	14
80 - 100 - 14	80	100	16
80 - 102 - 12	80	102	13
80 - 105 - 10	80	105	11
80 - 105 - 12	80	105	13
80 - 110 - 9	80	110	10
80 - 110 - 15	80	110	16
85 - 95 - 6	85	95	6.5
85 - 95 - 7	85	95	7.8
85 - 95 - 8.5	85	95	9.5
85 - 95 - 9	85	95	10
85 - 95 - 9.5	85	95	10.5
85 - 95 - 10	85	95	11
85 - 95 - 12	85	95	13
85 - 97 - 9	85	97	10
85 - 100 - 10	85	100	11
85 - 100 - 12	85	100	13
85 - 100 - 15	85	100	16
85 - 105 - 10	85	105	11
85 - 105 - 12	85	105	13
85 - 105 - 13	85	105	14
85 - 105 - 16	85	105	17
85 - 109 - 12	85	109	13
85 - 110 - 12	85	110	13
87 - 95 - 12	87	95	13
88 - 100 - 15	88	100	16
90 - 100 - 6	90	100	6.5
90 - 100 - 8	90	100	8.8
90 - 100 - 9	90	100	10
90 - 100 - 10	90	100	11
90 - 100 - 12	90	100	13
90 - 105 - 6	90	105	6.5
90 - 105 - 9	90	105	10
90 - 105 - 10	90	105	11
90 - 105 - 12	90	105	13
90 - 110 - 8.4	90	110	9.4
90 - 110 - 9	90	110	10
90 - 110 - 12	90	110	13
90 - 110 - 13	90	110	14
90 - 110 - 15	90	110	16
90 - 115 - 9	90	115	10
90 - 115 - 12	90	115	13

规格及沟槽尺寸 specification & groove size

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规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
90 - 115 - 15	90	115	16
90 - 115 - 18	90	115	19
90 - 120 - 10	90	120	11
90 - 120 - 12	90	120	13
95 - 105 - 12	95	105	13
95 - 110 - 12	95	110	13
95 - 115 - 9	95	115	10
95 - 115 - 12	95	115	13
95 - 115 - 15	95	115	16
95 - 120 - 12	95	120	13
95 - 125 - 15	95	125	16
97 - 105 - 13.5	97	105	14.5
98 - 110 - 14	98	110	15
100 - 108 - 10	100	108	11
100 - 108 - 11.5	100	108	12.5
100 - 110 - 8	100	110	8.8
100 - 110 - 10	100	110	11
100 - 110 - 12	100	110	13
100 - 112 - 9	100	112	10
100 - 112 - 10	100	112	11
100 - 112 - 14	100	112	15
100 - 115 - 9	100	115	10
100 - 115 - 10	100	115	11
100 - 115 - 10.5	100	115	11.5
100 - 115 - 12	100	115	13
100 - 115 - 15	100	115	16
100 - 120 - 10	100	120	11
100 - 120 - 13	100	120	14
100 - 120 - 13.5	100	120	14.5
100 - 120 - 15	100	120	16
100 - 125 - 9	100	125	10
100 - 125 - 12	100	125	13
100 - 125 - 15	100	125	16
100 - 130 - 12	100	130	13
100 - 132 - 16	100	132	17
105 - 120 - 8	105	120	8.8
105 - 120 - 10	105	120	11
105 - 120 - 12	105	120	13
105 - 120 - 15	105	120	16
105 - 125 - 8	105	125	8.8
105 - 125 - 9	105	125	10
105 - 125 - 10	105	125	11
105 - 125 - 12	105	125	13
105 - 125 - 13	105	125	14
105 - 125 - 14	105	125	15
105 - 125 - 15	105	125	16
105 - 125 - 16	105	125	17
106 - 126 - 15	106	126	16
110 - 120 - 8	110	120	8.8

规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$
specification	活塞杆用 Rod		
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$
110 - 120 - 12	110	120	13
110 - 125 - 10	110	125	11
110 - 125 - 12	110	125	13
110 - 125 - 15	110	125	16
110 - 130 - 10	110	130	11
110 - 130 - 12	110	130	13
110 - 130 - 13	110	130	14
110 - 130 - 15	110	130	16
110 - 130 - 16	110	130	17
110 - 135 - 18	110	135	19
110 - 140 - 15	110	140	16
110 - 142 - 16	110	142	17
112 - 125 - 9	112	125	10
112 - 132 - 16	112	132	17
113 - 125 - 14	113	125	15
115 - 125 - 12	115	125	13
115 - 125 - 13	115	125	14
115 - 125 - 15	115	125	16
115 - 130 - 12	115	130	13
115 - 135 - 12	115	135	13
115 - 135 - 13	115	135	14
115 - 135 - 15	115	135	16
115 - 140 - 12	115	140	13
118 - 130 - 10	118	130	11
118 - 130 - 12	118	130	13
118 - 133 - 9	118	133	10
118 - 138 - 9	118	138	17
118.5 - 138.5 - 15	118.5	138.5	16
120 - 130 - 8	120	130	8.8
120 - 130 - 14	120	130	15
120 - 135 - 12	120	135	13
120 - 135 - 13	120	135	14
120 - 135 - 15	120	135	16
120 - 140 - 9	120	140	10
120 - 140 - 10	120	140	11
120 - 140 - 12	120	140	13
120 - 140 - 13	120	140	14
120 - 140 - 15	120	140	16
120 - 140 - 15	120	140	17
120 - 145 - 15	120	145	16
120 - 145 - 18	120	145	19
120 - 148 - 12.5	120	148	13.5
120 - 150 - 12	120	150	13
120 - 150 - 14	120	150	15
120 - 150 - 15	120	150	16
120 - 160 - 15	120	160	16
122 - 135 - 9	122	135	10
125 - 135 - 13	125	135	14
125 - 137 - 14	125	137	15

规格及沟槽尺寸 specification & groove size

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规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød^{h10}	ØD$^{H9/f8}$	$G_A^{\pm 0.2}$
specification	活塞杆用 Rod		
	Ød$^{H9/f8}$	ØD^{H10}	$H_A^{\pm 0.2}$
125 - 138 - 9.5	125	138	10.5
125 - 140 - 9	125	140	10
125 - 140 - 11	125	140	12
125 - 140 - 12	125	140	13
125 - 140 - 13	125	140	14
125 - 140 - 15	125	140	16
125 - 145 - 10	125	145	11
125 - 145 - 12	125	145	13
125 - 145 - 15	125	145	16
125 - 145 - 16	125	145	17
125 - 150 - 13	125	150	14
125 - 150 - 15	125	150	16
128 - 140 - 10	128	140	11
128 - 140 - 15	128	140	16
130 - 140 - 12	130	140	13
130 - 140 - 13	130	140	14
130 - 140 - 14.5	130	140	15.5
130 - 140 - 15	130	140	16
130 - 145 - 12	130	145	13
130 - 145 - 14.5	130	145	15.5
130 - 145 - 15	130	145	16
130 - 150 - 12	130	150	13
130 - 150 - 15	130	150	16
130 - 150 - 16	130	150	17
130 - 152 - 15	130	152	16
130 - 160 - 20	130	160	21
130 - 165 - 10	130	165	11
133 - 153 - 15	133	153	16
135 - 145 - 13	135	145	14
135 - 150 - 9	135	150	10
135 - 150 - 10	135	150	11
135 - 150 - 12	135	150	13
135 - 150 - 15	135	150	16
135 - 160 - 10	135	160	11
135 - 160 - 18	135	160	19
135 - 165 - 15	135	165	16
140 - 150 - 13	140	150	14
140 - 155 - 9	140	155	10
140 - 155 - 9.5	140	155	10.5
140 - 155 - 10	140	155	11
140 - 155 - 12	140	155	13
140 - 155 - 13	140	155	14
140 - 160 - 10	140	160	11
140 - 160 - 12	140	160	13
140 - 160 - 14	140	160	15
140 - 160 - 15	140	160	16
140 - 160 - 16	140	160	17
140 - 160 - 18	140	160	19
140 - 172 - 16	140	172	17

规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød^{h10}	ØD$^{H9/f8}$	$G_A^{\pm 0.2}$
specification	活塞杆用 Rod		
	Ød$^{H9/f8}$	ØD^{H10}	$H_A^{\pm 0.2}$
142 - 157 - 10	142	157	11
145 - 165 - 13	145	165	14
145 - 165 - 15	145	165	16
146 - 158 - 12	146	158	13
150 - 160 - 13	150	160	14
150 - 162 - 14	150	162	15
150 - 165 - 9	150	165	10
150 - 165 - 10	150	165	11
150 - 170 - 10	150	170	11
150 - 170 - 12	150	170	13
150 - 170 - 15	150	170	16
150 - 170 - 16	150	170	17
150 - 175 - 15	150	175	16
150 - 182 - 12	150	180	13
150 - 180 - 18	150	180	19
155 - 165 - 13	155	165	14
155 - 175 - 15	155	175	16
155 - 180 - 15	155	180	16
160 - 175 - 9	160	175	10
160 - 175 - 16	160	175	17
160 - 180 - 12	160	180	13
160 - 180 - 15	160	180	16
160 - 180 - 16	160	180	17
160 - 185 - 12	160	185	13
160 - 185 - 15	160	185	16
160 - 190 - 18.5	160	190	19.5
165 - 180 - 15	165	180	16
165 - 180 - 16	165	180	17
165 - 185 - 15	165	185	16
165 - 190 - 15	165	190	16
165 - 190 - 18.5	165	190	19.5
170 - 180 - 11	170	180	12
170 - 185 - 12	170	185	13
170 - 190 - 10	170	190	11
170 - 190 - 12	170	190	13
170 - 190 - 15	170	190	16
170 - 190 - 16	170	190	17
170 - 195 - 15	170	195	16
170 - 195 - 16	170	195	17
170 - 200 - 15	170	200	16
170 - 200 - 18	170	200	19
175 - 185 - 12	175	185	13
175 - 195 - 14	175	195	15
175 - 200 - 15	175	200	16
175 - 200 - 18	175	200	19
175 - 200 - 20	175	200	21
180 - 192 - 14	180	192	15
180 - 200 - 14	180	200	15
180 - 200 - 15	180	200	16

规格及沟槽尺寸 specification & groove size

UNS

规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød^{h10}	ØD$^{H9/f8}$	$G_A^{\pm 0.2}$
specification	活塞杆用 Rod		
	Ød$^{H9/f8}$	ØD^{H10}	$H_A^{\pm 0.2}$
180 - 200 - 16	180	200	17
180 - 205 - 15	180	205	16
180 - 210 - 13	180	210	14
180 - 210 - 15	180	210	16
182 - 220 - 15	182	220	16
185 - 200 - 15	185	200	16
185 - 205 - 16	185	205	17
185 - 215 - 16	185	215	17
185 - 220 - 15	185	220	16
190 - 210 - 12	190	210	13
190 - 210 - 16	190	210	17
190 - 215 - 15	190	215	16
190 - 215 - 16	190	215	17
190 - 220 - 15	190	220	16
195 - 215 - 12	195	215	13
195 - 220 - 16	195	220	17
200 - 220 - 15	200	220	16
200 - 220 - 16	200	220	17
200 - 225 - 15	200	225	16
200 - 225 - 20	200	225	21
200 - 230 - 18.7	200	230	19.7
204 - 220 - 18	204	220	19
210 - 220 - 13	210	220	14
210 - 230 - 13	210	230	14
210 - 230 - 16	210	230	17
210 - 235 - 18	210	235	19
210 - 235 - 19	210	235	20
220 - 240 - 12	220	240	13
220 - 240 - 16	220	240	17
220 - 250 - 18.5	220	250	19.5
225 - 245 - 15	225	245	16
225 - 250 - 12	225	250	13
230 - 250 - 15	230	250	16
230 - 260 - 18	230	260	19
235 - 260 - 16	235	260	17
240 - 260 - 12	240	260	13
240 - 260 - 16	240	260	17
240 - 265 - 18	240	265	19
250 - 270 - 12	250	270	13
250 - 280 - 18	250	280	19
260 - 280 - 18	260	280	19
260 - 290 - 18	260	290	19
275 - 310 - 15	275	310	16
280 - 300 - 15	280	300	16
280 - 305 - 20	280	305	21
280 - 320 - 18	280	320	19
290 - 320 - 18	290	320	19
300 - 330 - 18	300	330	19
300 - 340 - 20	300	340	21

规格	沟槽尺寸 Grooves dimensions		
	活塞用 Piston		
	Ød^{h10}	ØD$^{H9/f8}$	$G_A^{\pm 0.2}$
specification	活塞杆用 Rod		
	Ød$^{H9/f8}$	ØD^{H10}	$H_A^{\pm 0.2}$
304 - 340 - 27	304	340	28
305 - 320 - 18	305	320	19
310 - 340 - 22	310	340	23
320 - 350 - 20	320	350	21
320 - 360 - 28	320	360	29
330 - 360 - 22	330	360	23
345 - 360 - 14	345	360	15
350 - 380 - 22	350	380	23
352 - 382 - 22	352	382	23
355 - 385 - 22	355	385	23
360 - 390 - 22	360	390	23
370 - 400 - 22	370	400	23
380 - 410 - 15	380	410	16
400 - 436 - 25	400	436	26
420 - 460 - 29	420	460	30
455 - 485 - 25	455	485	26
530 - 570 - 25	530	570	23
650 - 690 - 25	650	690	16
710 - 740 - 25	710	740	26
725 - 755 - 22	725	755	30
860 - 820 - 25	860	820	26

UNS

UNS

活塞、活塞杆通用密封
MPS Piston/Rod seal

本产品是在一种活塞和活塞杆通用的唇形密封件。

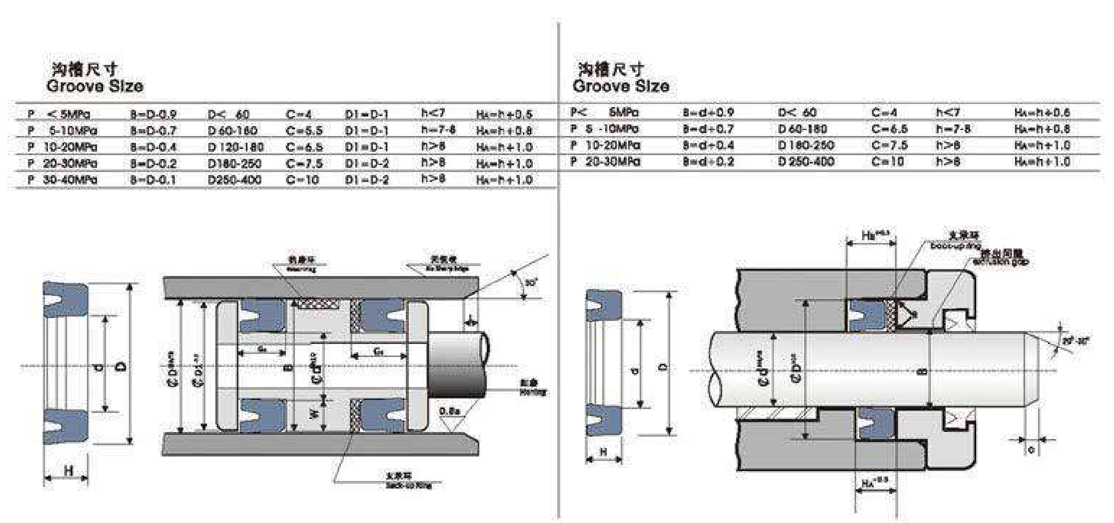
Description: MPS is a lip-seal which can be used for both piston seal and rod seal.

Advantages:
- High sealing performance under low pressure
- Not suitable for sealing singly
- Easy installation

使用材料为进口PU
硬度90--95 Shore A
颜色为绿色、兰色、淡黄色
较易安装，低压密封性能好
工作压力：≤31.5Mpa
温度：-35～+100℃
运行速度：≤0.5m / s
介质：液压油（矿物油基）

Technical Data
Operating conditions
Pressure: ≤31.5Mpa
Temperature:-35~+100℃
Speed: ≤0.5m/s
Media: Hydraulic oils (mineral oil-based)

Material
Material:PU
Hardness:90-95 ShoreA
Color: Blue/Green/Light/Yellow



规格及沟槽尺寸 specification & groove size

MPS

规格 / specification	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
4-10-4	4	10	4.5	6
4-11-5	4	11	5.5	7
4.5-9.5-4	4.5	9.5	4.5	6
5-12-5.5	5	12	6	7.5
5-12-6	5	12	6.5	8
5-12-8	5	12	8.8	10.8
5-14-8	5	14	8.8	10.8
6-12-5	6	12	5.5	7
6-12-5.5	6	12	6	7.5
6.3-16.3-8	6.3	16.3	8.8	10.8
7.1-17.1-8	7.1	17.1	8.8	10.8
8-14-6	8	14	6.5	8
8-14-8	8	14	8.8	10.8
8-16-5.7	8	16	6.2	7.7
8-16-6	8	16	6.5	8
8-16-8	8	16	8.8	10.8
8-18-8	8	18	8.8	10.8
8-22-10	8	22	11	14
9-19-8	9	19	8.8	10.8
10-16-6	10	16	6.5	8
10-18-5	10	18	5.5	7
10-18-5.5	10	18	6	7.5
10-18-6	10	18	6.5	8
10-18-8	10	18	8.8	10.8
10-20-8	10	20	8.8	10.8
10-22-6	10	22	6.5	8
10-22-8	10	22	8.8	10.8
10-19.2-5	10	19.2	5.5	7
10-21.2-8	10	21.2	8.8	10.8
11.2-18-6	11.2	18	6.5	8
11.2-18-8	11.2	18	8.8	10.8
12-20-6	12	20	6.5	8
12-22-7	12	22	7.8	9.8
12-22-8	12	22	8.8	10.8
12-25-8	12	25	8.8	10.8
12-26-8	12	26	8.8	10.8
12-22.5-8	12	22.5	8.8	10.8
12-22-4	12	22	4.5	6
12.5-22-5	12.5	22	5.5	7
13-19-4	13	19	4.5	6
14-24-8	14	24	8.8	10.8
14-22-6	14	22	6.5	8
14-22-8	14	22	8.8	10.8
14-25-7	14	25	7.8	9.8
15-25-8	15	25	8.8	10.8
15-27-7	15	27	7.8	9.8
15-20-3	15	20	3.5	5
15-22-4	15	22	4.5	6
15.8-22-5	15.8	22	5.5	7

规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
16 - 24 - 4	16	24	4.5	6
16 - 24 - 5	16	24	5.5	7
16 - 26 - 8	16	26	8.8	10.8
16 - 28 - 6	16	28	6.5	8
16 - 24 - 5	16	24	5.5	7
16 - 25 - 5	16	25	5.5	7
18 - 26 - 5	18	26	5.5	7
18 - 26 - 8	18	26	8.8	10.8
18 - 28 - 8	18	28	8.8	10.8
18 - 30 - 8	18	30	8.8	10.8
18 - 32 - 7	18	32	7.8	9.8
18 - 34 - 8	18	34	8.8	10.8
19 - 34 - 8	19	34	8.8	10.8
20 - 26 - 3.3	20	26	3.8	5.3
20 - 26 - 5	20	26	5.5	7
20 - 28 - 5	20	28	5.5	7
20 - 28 - 5	20	28	6.5	8
20 - 28 - 7	20	28	7.8	9.8
20 - 28 - 8	20	28	8.8	10.8
20 - 30 - 8	20	30	8.8	10.8
20 - 32 - 6	20	32	6.5	8
20 - 32 - 8	20	32	8.8	10.8
20 - 33 - 10	20	33	11	14
20 - 34.5 - 12	20	34.5	13	16
20 - 35 - 7	20	35	7.8	9.8
20 - 35 - 8	20	35	8.8	10.8
20 - 36 - 8	20	36	8.8	10.8
20 - 37 - 12	20	37	13	16
20 - 40 - 10	20	40	11	14
20 - 40 - 12	20	40	13	16
22 - 30 - 6	22	30	6.5	8
22 - 32 - 8	22	32	8.8	10.8
22 - 32 - 10	22	32	11	14
22 - 34 - 10	22	34	11	14
22 - 35 - 10	22	35	11	14
22 - 36 - 9	22	36	10	13
22 - 40 - 10	22	40	11	14
22.4 - 30 - 5	22.4	30	5.5	7
22.4 - 32.4 - 8	22.4	32.4	8.8	10.8
22.7 - 33 - 5.3	22.7	33	5.8	7.3
23.5 - 31.5 - 5	23.5	31.5	5.5	7
24 - 32 - 7	24	32	7.8	9.8
25 - 33 - 5	25	33	5.5	7
25 - 33 - 5.5	25	33	6	7.5
25 - 33 - 6	25	33	6.5	8
25 - 35 - 5	25	35	5.5	7
25 - 35 - 6	25	35	6.5	8
25 - 35 - 7	25	35	7.8	9.8
25 - 35 - 8	25	35	8.8	10.8

MPS

规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
25 - 35 - 10	25	35	11	14
25 - 38 - 8	25	38	8.8	10.8
25 - 38 - 10	25	38	11	14
25 - 40 - 10	25	40	11	14
26 - 32 - 4.7	26	32	5.2	6.7
26 - 47 - 12	26	47	13	16
27 - 35 - 5	27	35	5.5	7
28 - 35.5 - 5	28	35.5	5.5	7
28 - 43 - 10.2	28	43	11.2	14.2
28 - 36 - 5	28	36	5.5	7
28 - 36 - 6	28	36	6.5	8
28 - 40 - 10	28	40	11	14
28 - 43 - 10	28	43	11	14
28 - 44 - 8	28	44	8.8	10.8
30 - 37 - 6	30	37	6.5	8
30 - 45 - 10.2	30	45	11.2	14.2
30 - 38 - 7	30	38	7.8	9.8
30 - 38 - 8	30	38	8.8	10.8
30 - 40 - 5	30	40	5.5	7
30 - 40 - 5.5	30	40	6	7.5
30 - 40 - 6	30	40	6.5	8
30 - 40 - 7	30	40	7.8	9.8
30 - 40 - 8	30	40	8.8	10.8
30 - 40 - 10	30	40	11	14
30 - 42 - 10	30	42	11	14
30 - 43 - 6.5	30	43	7	8.5
30 - 43.6 - 9.5	30	43.6	10.5	13.5
30 - 45 - 10	30	45	11	14
30 - 47 - 10	30	47	11	14
30 - 50 - 10	30	50	11	14
30 - 50 - 12	30	50	13	16
31.5 - 41.5 - 6	31.5	41.5	6.5	8
31.5 - 44.3 - 9.5	31.5	44.3	10.5	13.5
31.5 - 46.5 - 10	31.5	46.5	11	14
31.8 - 41.3 - 6.3	31.8	41.3	6.8	8.3
32 - 40 - 5.5	32	40	6	7.5
32 - 42 - 10	32	42	11	14
32 - 45 - 10	32	45	11	14
32 - 46 - 10	32	46	11	14
32 - 47 - 10	32	47	11	14
32 - 48 - 10	32	48	11	14
32 - 50 - 10	32	50	11	14
32 - 62 - 12	32	62	13	16
33 - 40 - 10	33	40	11	14
35 - 43 - 7	35	43	7.8	9.8
35 - 41 - 5	35	41	5.5	7
35 - 55 - 10	35	55	11	14
35 - 45 - 7	35	45	7.8	9.8
35 - 45 - 6	35	45	6.5	8

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规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$\varnothing d^{h10}$	$\varnothing D^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$\varnothing d^{H9/f8}$	$\varnothing D^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
35－45－8	35	45	8.8	10.8
35－45－10	35	45	11	14
35－48－10	35	48	11	14
35－50－9	35	50	10	13
35－50－10	35	50	11	14
35.5－45－6	35.5	45	6.5	8
35.5－50.5－10	35.5	50.5	11	14
38－45－6.5	38	45	7	8.5
38－48－6	38	48	6.5	8
38－50－9	38	50	10	13
38－50－10	38	50	11	14
38－52－10	38	52	11	14
38－55－10	38	55	11	14
38－60－10	38	60	11	14
38－62－12	38	62	13	16
39－54－10	39	54	11	14
39－58－13	39	58	14	17
40－48－8	40	48	8.8	10.8
40－50－6	40	50	6.5	8
40－50－6.5	40	50	7	8.5
40－50－7	40	50	7.8	9.8
40－50－10	40	50	11	14
40－52－8	40	52	8.8	10.8
40－55－10	40	55	11	14
40－60－10	40	60	11	14
40－60－12	40	60	13	16
42－52－10	42	52	11	14
45－53－6	45	53	6.5	8
45－55－6	45	55	6.5	8
45－55－7	45	55	7.8	9.8
45－55－8	45	55	8.8	10.8
45－55－10	45	55	11	14
45－56－7	45	56	7.8	9.8
45－60－9	45	60	10	13
45－60－10	45	60	11	14
45－60－12	45	60	13	16
45－61－10	45	61	11	14
45－65－10	45	65	11	14
45－65－12	45	65	13	16
45－70－16	45	70	17	20
48－63－10	48	63	11	14
50－57－10	50	57	11	14
50－60－6	50	60	6.5	8
50－60－10	50	60	11	14
50－60－12	50	60	13	16
50－62－9.5	50	62	10.5	13.5
50－62－12	50	62	13	16
50－63－6	50	63	6.5	8
50－63－8	50	63	8.8	10.8

规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$\varnothing d^{h10}$	$\varnothing D^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$\varnothing d^{H9/f8}$	$\varnothing D^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
50－63－10	50	63	11	14
50－65－9	50	65	10	13
50－65－10	50	65	11	14
50－65－12	50	65	13	16
50－66－12	50	66	13	16
50－70－10	50	70	11	14
50－70－12	50	70	13	16
50.9－70－13	50.9	70	14	17
53－63－6	53	63	6.5	8
53－63－6.5	53	63	7	8.5
53－65－8	53	65	8.8	10.8
53－73－12	53	73	13	16
55－65－6	55	65	6.5	8
55－65－10	55	65	11	14
55－65－12	55	65	13	16
55－70－6	55	70	6.5	8
55－70－9	55	70	10	13
55－70－10	55	70	11	14
55－70－12	55	70	13	16
55－71－12	55	71	13	16
55－75－12	55	75	13	16
56－66－6	56	66	6.5	8
56－76－12	56	76	13	16
58－68－6	58	68	6.5	8
60－70－6	60	70	6.5	8
60－70－8	60	70	8.8	10.8
60－70－10	60	70	11	14
60－70－12	60	70	13	16
60－71－7	60	71	7.8	9.8
60－72－10	60	72	11	14
60－73－10	60	73	11	14
60－75－6	60	75	6.5	8
60－75－9	60	75	10	13
60－75－10	60	75	11	14
60－75－12	60	75	13	16
60－80－12	60	80	13	16
62－82－10	62	82	11	14
63－73－6	63	73	6.5	8
63－75－10	63	75	11	14
63－78－10	63	78	11	14
63－83－12	63	83	13	16
65－75－6	65	75	6.5	8
65－75－12	65	75	13	16
65－78－10	65	78	11	14
65－79－10	65	79	11	14
65－80－6	65	80	6.5	8
65－80－9	65	80	10	13
65－80－10	65	80	11	14
65－80－11	65	80	12	15

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规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
65 - 80 - 12	65	80	13	16
65 - 85 - 12	65	85	13	16
67 - 77 - 6	67	77	6.5	8
67 - 87 - 12	67	87	13	16
70 - 80 - 6	70	80	6.5	8
70 - 80 - 8	70	80	8.8	10.8
70 - 80 - 12	70	80	13	16
70 - 83 - 10	70	83	11	14
70 - 84 - 10	70	84	11	14
70 - 85 - 6	70	85	6.5	8
70 - 85 - 9	70	85	10	13
70 - 85 - 10	70	85	11	14
70 - 85 - 10.5	70	85	11.5	14.5
70 - 85 - 12	70	85	13	16
70 - 85 - 12.5	70	85	13.5	16.5
70 - 90 - 12	70	90	13	16
71 - 80 - 6	71	80	6.5	8
71 - 91 - 12	71	91	13	16
75 - 85 - 6	75	85	6.5	8
75 - 85 - 9	75	85	10	13
75 - 85 - 12	75	85	13	16
75 - 88 - 10	75	88	11	14
75 - 90 - 9	75	90	10	13
75 - 90 - 10	75	90	11	14
75 - 90 - 12	75	90	13	16
75 - 95 - 12	75	95	13	16
75 - 95 - 13	75	95	14	17
76.5 - 90.5 - 10	76.5	90.5	11	14
80 - 90 - 6	80	90	6.5	8
80 - 90 - 10	80	90	11	14
80 - 90 - 12	80	90	13	16
80 - 94 - 10	80	94	11	14
80 - 95 - 6	80	95	6.5	8
80 - 95 - 9	80	95	10	13
80 - 95 - 12	80	95	13	16
80 - 100 - 12	80	100	13	16
80 - 100 - 13	80	100	14	17
80 - 100 - 15	80	100	16	19
80 - 110 - 15	80	110	16	19
85 - 95 - 8.5	85	95	9.5	12.5
85 - 95 - 12	85	95	13	16
85 - 100 - 6	85	100	6.5	8
85 - 100 - 9	85	100	10	13
85 - 100 - 10	85	100	11	14
85 - 100 - 12	85	100	13	16
85 - 105 - 12	85	105	13	16
90 - 100 - 8	90	100	8.8	10.8
90 - 100 - 12	90	100	13	16
90 - 105 - 9	90	105	10	13

规格及沟槽尺寸 specification & groove size

MPS

规格	沟槽尺寸 Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
90 - 105 - 10	90	105	11	14
90 - 105 - 12	90	105	13	16
90 - 110 - 12	90	110	13	16
90.2 - 103.8 - 9	90.2	103.8	10	13
95 - 110 - 9	95	110	10	13
95 - 110 - 12	95	110	13	16
95 - 115 - 12	95	115	13	16
98 - 112 - 9	98	112	10	13
100 - 112 - 9	100	112	10	13
100 - 115 - 9	100	115	10	13
100 - 115 - 12	100	115	13	16
100 - 120 - 12	100	120	13	16
100 - 125 - 12	100	125	13	16
100 - 125 - 15	100	125	16	19
104 - 117 - 5.3	104	117	5.8	7.3
105 - 120 - 9	105	120	10	13
105 - 125 - 13	105	125	14	17
105 - 125 - 15	105	125	16	19
106 - 126 - 16	106	126	17	20
110 - 120 - 12	110	120	13	16
110 - 125 - 9	110	125	10	13
110 - 125 - 12	110	125	13	16
110 - 130 - 12	110	130	13	16
110 - 130 - 15	110	130	16	19
112 - 125 - 9	112	125	10	13
112 - 132 - 12	112	132	13	16
112 - 132 - 16	112	132	17	20
115 - 135 - 15	115	135	16	19
117 - 130 - 10	117	130	11	14
117 - 130 - 12	117	130	13	16
118 - 130 - 10	118	130	11	14
118 - 130 - 12	118	130	13	16
118 - 133 - 9	118	133	10	13
120 - 135 - 9	120	135	10	13
120 - 140 - 12	120	140	13	16
120 - 140 - 15	120	140	16	19
120 - 140 - 16	120	140	17	20
125 - 140 - 9	125	140	10	13
125 - 140 - 11	125	140	12	15
125 - 145 - 15	125	145	16	19
128 - 140 - 14	128	140	15	18
130 - 145 - 10	130	145	11	14
130 - 150 - 12	130	150	13	16
130 - 150 - 15	130	150	16	19
135 - 150 - 9	135	150	10	13
140 - 155 - 9	140	155	10	13
140 - 157 - 6	140	157	6.5	8
140 - 160 - 12	140	160	13	16
140 - 160 - 15	140	160	16	19

MPS

规格及沟槽尺寸　specification & groove size　　MPS

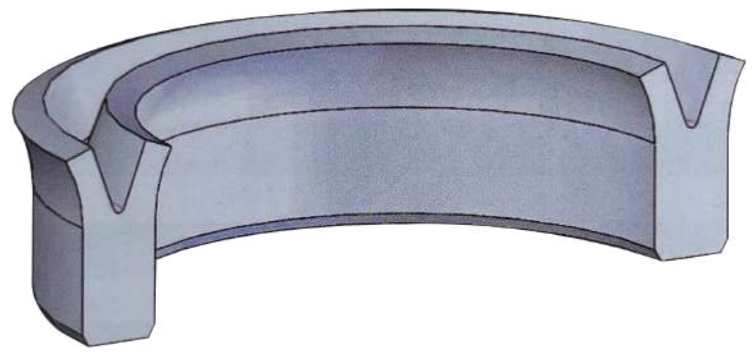
规格	沟槽尺寸　Grooves dimensions			
	活塞用 Piston			
	$Ød^{h10}$	$ØD^{H9/f8}$	$G_A^{\pm0.2}$	$G_B^{\pm0.2}$
specification	活塞杆用 Rod			
	$Ød^{H9/f8}$	$ØD^{H10}$	$H_A^{\pm0.2}$	$H_B^{\pm0.2}$
145 - 460 - 9	145	160	10	13
145 - 165 - 15	145	165	16	19
150 - 165 - 9	150	165	10	13
150 - 170 - 10	150	170	11	14
150 - 170 - 12	150	170	13	16
150 - 170 - 15	150	170	16	19
155 - 180 - 15	155	180	16	19
160 - 175 - 9	160	175	10	13
160 - 180 - 12	160	180	13	16
160 - 180 - 15	160	180	16	19
165 - 180 - 9	165	180	10	13
175 - 200 - 15	175	200	16	19
180 - 200 - 12	180	200	13	16
180 - 200 - 15	180	200	16	19
200 - 220 - 12	200	220	13	16
230 - 255 - 18	230	255	19	22
280 - 300 - 15	280	300	16	19
290 - 320 - 18	290	320	19	22
300 - 330 - 18	300	330	19	22
350 - 380 - 22	350	380	23	26

活塞、活塞杆通用密封

YA Piston/Rod seal

本产品是在一种活塞和活塞杆通用的唇形密封件。

Description: UNS/UHS is a lip-seal which can be used for both piston seal and rod seal.



Advantages:

This standard is suitable for the recriprocating portion in all kinds of oil cylinders,such as forging press hydranlic cylinders,such as forging press hydranlic cylinders,agriculture vehicle sleeve cylinders(2 Sectionsand 3 Sections)

Technical Data

Operating conditions

Pressure: ≤40Mpa

Temperature:-35~+100℃

Speed: ≤0.5m/s

Media: Hydraulic oils (mineral oil-based)

产品用途:

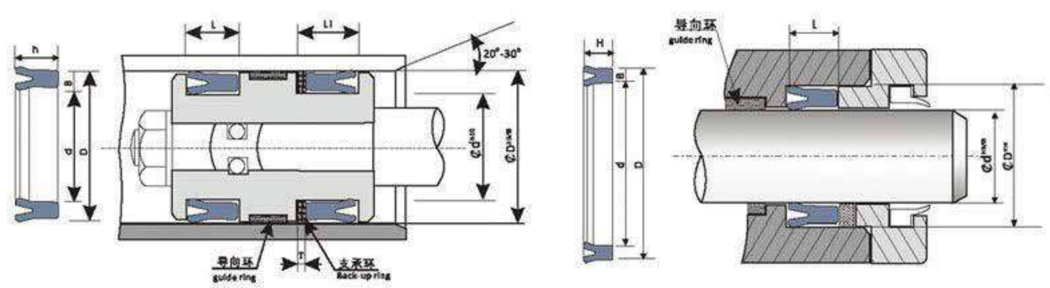
本标准适用于各种油缸，被广泛用于锻压机械液压油缸，农用车套筒缸（2节缸 ' 3节缸）中起往复运动的密封作用

工作压力：≤40Mpa

工作温度：-35~+100° C

运行速度：≤0.5m / s

介质：液压油（矿物油基）



规格及沟槽尺寸　specification & groove size　YA

规格 / specification	沟槽尺寸 Grooves dimensions 活塞用 Piston $Ød^{h10}$	$ØD^{H9/f8}$	$L^{+0.3}$
	活塞杆用 Rod $Ød^{H9/f8}$	$ØD^{H10}$	$L^{+0.3}$
12-6-7	16	10	8
16-10-7	18	12	8
20-14-7	20	14	8
22-16-7	22	16	8
24-18-7	24	18	8
25-17-10	25	17	11
28-20-10	28	20	11
30-22-10	30	22	11
32-24-10	32	24	11
33-25-10	33	25	11
36-28-10	36	28	11
38-30-10	38	30	11
40-32-10	40	32	11
43-35-10	43	35	11
45-37-10	45	37	11
48-40-10	48	40	11
50-42-10	50	42	11
53-45-10	53	45	11
55-47-10	55	47	11
56-48-10	56	48	11
58-50-10	58	50	11
58-50-14	58	50	15
60-52-10	60	50	11
63-53-12	63	53	13
65-55-12	65	55	13
70-60-12	70	60	13
73-63-12	73	63	13
75-65-12	75	65	13
80-70-12	80	70	13
81-71-12	81	71	13
83-73-12	83	73	13
85-75-12	85	75	13
90-80-12	90	80	13
95-85-12	95	85	13
97-87-12	97	87	13
98-88-12	98	88	13
100-90-12	100	90	13
105-95-12	105	95	13
110-100-12	110	100	13
115-105-12	115	105	13
120-110-12	120	110	13
125-115-12	125	115	13
135-125-12	135	125	13
140-130-12	140	130	13
145-135-12	145	135	13
150-140-12	150	140	13
150-140-14	150	140	15
160-148-14	160	148	15

规格 / specification	沟槽尺寸 Grooves dimensions 活塞用 Piston $Ød^{h10}$	$ØD^{H9/f8}$	$L^{+0.3}$
	活塞杆用 Rod $Ød^{H9/f8}$	$ØD^{H10}$	$L^{+0.3}$
160-150-14	160	150	15
162-150-14	162	150	15
172-160-14	172	160	15
180-168-14	180	168	15
192-180-14	192	180	15
200-188-14	200	188	15
212-200-14	212	200	15
220-208-14	220	208	15
230-218-14	230	218	15
232-220-14	232	220	15
240-228-14	240	228	15
250-238-14	250	238	15
265-250-18	265	250	20
275-260-18	275	260	20
280-265-18	280	265	20
295-280-18	295	280	20
320-305-18	320	305	20
335-320-18	335	320	20
360-345-18	360	345	20
375-360-18	375	360	20
395-380-18	395	380	20
400-385-18	400	385	20
405-390-18	405	390	20
415-400-18	415	400	20
420-405-18	420	405	20
435-420-18	435	420	20
450-435-18	450	435	20
465-450-18	465	450	20
500-485-18	500	485	20
520-500-22	520	500	24
540-520-22	540	520	24
560-540-22	560	540	24
580-560-22	580	560	24
600-580-22	600	580	24
630-610-22	630	610	24
650-630-22	650	630	24
670-650-22	670	650	24
710-690-22	710	690	24
730-710-22	730	710	24
750-730-22	750	730	24

YA

活塞、活塞杆通用密封
UPH Piston/Rod seal

本产品是在一种活塞和活塞杆通用的唇形密封件。

Description: UNS/UHS is a lip-seal which can be used for both piston seal and rod seal.

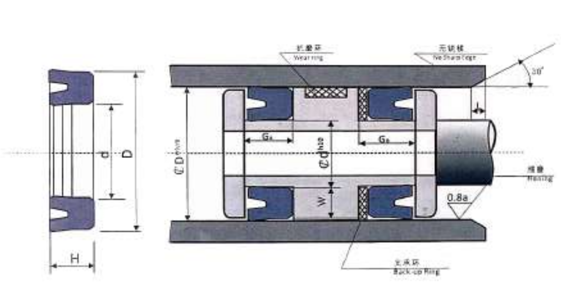
Advantages:
- High sealing performance under low pressure
- Not suitable for sealing singly
- Easy installation

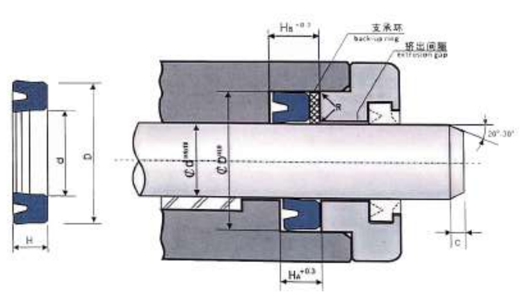
Technical Data
Operating conditions
Pressure: ≤31.5Mpa
Temperature:-35~+200℃
TPU:≤21Mpa
Speed: ≤0.5m/s
Media: Hydraulic oils (mineral oil-based)

Material
Material:NBR/FKM
Harness:75-85 shoreA
Color:black/brown

使用材料：丁晴橡胶、氟橡胶
硬度：80-85shoreA
颜色：黑色、棕色
耐磨性能好，容易安装，适用范围广
工作温度：-35～+200℃。（取决于材料）
运行速度：≤0.5m／s
介质：液压油（矿物油基）

UPH





规格及沟槽尺寸 specification & groove size

UPH

规格	沟槽尺寸 Grooves dimensions				
	活塞用 Piston				
	$ød^{H10}$	$øD^{H9/f8}$	$G_A^{\pm0.2}$	$G_A^{\pm0.2}$	L
specification	活塞杆用 Rod				
	$ød^{H9/f8}$	$øD^{H10}$	$H_A^{\pm0.2}$	$H_A^{\pm0.2}$	L
6.3 - 16.3 - 8	6.3	16.3	9	11	2.5
7.1 - 17.1 - 8	7.1	17.1	9	11	2.5
8 - 18 - 8	8	18	9	11	2.5
9 - 19 - 8	9	19	9	11	2.5
10 - 20 - 8	10	20	9	11	2.5
11.2 - 21.2 - 8	11.2	21.2	9	11	2.5
12 - 22 - 8	12	22	9	11	2.5
12.5 - 22.5 - 8	12.5	22.5	9	11	2.5
14 - 24 - 8	14	24	9	11	2.5
15 - 25 - 8	15	25	9	11	2.5
16 - 26 - 8	16	26	9	11	2.5
18 - 28 - 8	18	28	9	11	2.5
20 - 30 - 8	20	30	9	11	3.5
22.4 - 32.4 - 8	22.4	32.4	9	11	3.5
25 - 35 - 8	25	35	9	11	3.5
28 - 43 - 10	28	43	11	14	3.5
30 - 45 - 10	30	45	11	14	3.5
35 - 50 - 10	35	50	11	14	4
35.5 - 50.5 - 10	35.5	50.5	11	14	4
40 - 50 - 10	40	55	11	14	4
40 - 60 - 10	40	60	11	14	4
45 - 60 - 10	45	60	11	14	4
48 - 63 - 10	48	63	11	14	4
50 - 65 - 12	50	65	13	16	4
53 - 73 - 12	53	73	13	16	4
55 - 75 - 12	55	75	13	16	4
55 - 80 - 12	55	80	13	16	4
56 - 76 - 12	56	76	13	16	4
60 - 80 - 12	60	80	13	16	4
63 - 83 - 12	63	83	13	16	4
65 - 85 - 12.	65	85	13	16	5
70 - 90 - 12	70	90	13	16	5
75 - 95 - 12	75	95	13	16	5
80 - 100 - 12	80	100	13	16	5
85 - 105 - 12	85	105	13	16	5
90 - 110 - 12	90	110	13	16	5
95 - 115 - 12	95	115	13	16	5
100 - 120 - 12	100	120	13	16	5
100 - 125 - 15	100	125	16	19	5
105 - 125 - 12	105	125	13	16	5
106 - 126 - 12	106	126	13	16	5
110 - 130 - 15	110	130	16	19	5
112 - 132 - 15	112	132	16	19	5
115 - 135 - 15	115	135	16	19	5
118 - 138 - 15	118	138	16	19	5
120 - 140 - 15	120	140	16	19	5
125 - 145 - 15	125	145	16	19	6.5
130 - 150 - 15	130	150	16	19	6.5
135 - 155 - 15	135	155	16	19	6.5

UPH

规格及沟槽尺寸 specification & groove size

UPH

规格	沟槽尺寸 Grooves dimensions				
	活塞用 Piston				
	$ød^{H10}$	$øD^{H9/f8}$	$G_A^{\pm0.2}$	$G_A^{\pm0.2}$	L
specification	活塞杆用 Rod				
	$ød^{H9/f8}$	$øD^{H10}$	$H_A^{\pm0.2}$	$H_A^{\pm0.2}$	L
135 - 160 - 19	135	160	20	24	8
140 - 160 - 15	140	160	16	19	6.5
145 - 165 - 15	145	165	16	19	6.5
150 - 170 - 15	150	170	16	19	6.5
155 - 180 - 15	155	180	16	19	6.5
160 - 185 - 15	160	185	16	19	6.5
165 - 190 - 15	165	190	16	19	6.5
170 - 195 - 15	170	195	16	19	6.5
175 - 200 - 15	175	200	16	19	6.5
180 - 205 - 15	180	205	16	19	6.5
185 - 210 - 15	185	210	16	19	6.5
190 - 215 - 15	190	215	16	19	6.5
200 - 225 - 15	200	225	16	19	6.5
205 - 235 - 18	205	235	19	23	6.5
210 - 235 - 18	210	235	19	23	6.5
212 - 237 - 18	212	237	19	23	6.5
220 - 245 - 18	220	245	19	23	6.5
225 - 245 - 18	225	245	19	23	6.5
230 - 255 - 18	230	255	19	23	6.5
236 - 261 - 18	236	261	19	23	6.5
250 - 275 - 18	250	275	19	23	6.5
255 - 280 - 18	255	280	19	23	8
265 - 295 - 18	265	295	19	23	8
270 - 300 - 18	270	300	19	23	8
280 - 310 - 19	280	310	20	24	8
280 - 310 - 22	280	310	24	28	8
290 - 320 - 18	290	320	19	23	8
300 - 330 - 18	300	330	19	23	8
300 - 330 - 19	300	330	20	24	8
300 - 330 - 24	300	330	26	30	8

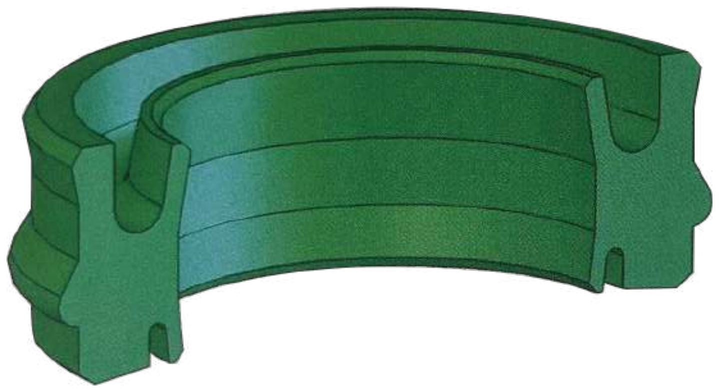
UPH

气动密封

Pneumatic seal

本产品在气缸中起密封、防尘、固定作用。

Description: EU rod seal/wiper for piston rods in pneumatic cylinders combines threefunctions:sealing-wiping-fixing.



Advantages:

- No danger of corrosion
- No dust corners
- Low friction values and high length of operation
- Suitable for use in dry as well as oil-free air afterinitial assembly lubrication

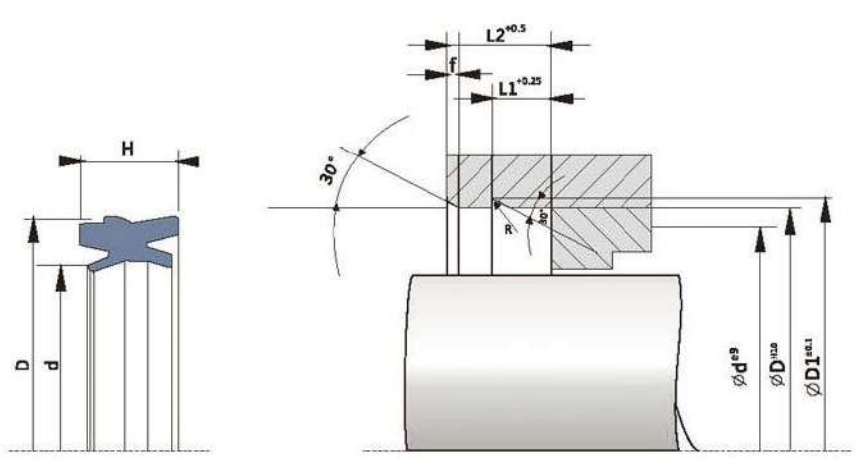
Technical Data

Operating conditions
Pressure:≤1.6Mpa
Temperature:-35~+80℃
Speed:≤1.0m/s
Media: Air

Material

Material:PU
Hardness:88-92 Shore A
Color: Turquoise

使用材料为进口PU
硬度88--92 Shore A
颜色为墨绿色
不会腐蚀，不会产生灰尘角落，低摩擦和高操作长度。经初始装配润滑后，即使在干燥和无油空气中也具有很长的使用寿命
工作压力：≤1.6Mpa
工作温度：-35～+80℃
运行速度：≤1.0m / s
介质：空气



规格及沟槽尺寸 specification & groove size

EU

规格 specification	沟槽尺寸 Grooves dimensions						
	$\varnothing d^{e9}$	$\varnothing D^{H10}$	$\varnothing D1^{\pm0.1}$	$L1^{+0.25}$	$L2^{+0.5}$	R	F
12－19－10	12	19	21	7.7	12	1	1.5
12－20－10.7	12	20	22	8.8	13	1.1	1.5
12－22－10.7	12	22	24	8.8	13	1.1	1.5
14－24－10.7	14	24	26	8.8	13	1.1	1.5
16－26－10.7	16	26	28	8.8	13	1.1	1.5
18－26－10.7	18	26	28	8.8	13	1.1	1.5
18－28－10.7	18	28	30	8.8	13	1.1	1.5
20－30－10.7	20	30	32	8.8	13	1.1	1.5
22－32－11.2	22	32	34.5	9.4	14	1.4	2
25－35－11.2	25	35	37.5	9.4	14	1.4	2
30－40－11.2	30	40	42.5	9.4	14	1.4	2
32－42－11.2	32	42	44.5	9.4	14	1.4	2
35－45－11.2	35	45	47.5	9.4	14	1.4	2
40－50－11.2	40	50	52.5	9.4	14	1.4	2
45－55－12.2	45	55	58.2	10.4	15	1.8	2
50－60－12.2	50	60	63.2	10.4	15	1.8	2
63－75－13	63	75	78.2	11.4	16	1.8	2

气动密封

PP Pneumatic seal

本产品是专门为气缸设计的缓冲密封件。

Description:PP Pneumatic cushioning seal is specially designed for cushioning spears in pneumatic cylinders.

Advantages:

- As the seal function as a check valve, no separatevalve is necessary
- Optimum use of design-related cushion travel
- High cushioning consistency due to automatic centering,even in the case of misalignment of the cushioning spear to the cylinder head
- Increased reliability due to two independentsealing systems (flexible sealing lips and axialsealing areas)
- Easy installation

Technical Data

Operating conditions

Pressure: ≤1.6 Mpa

Temperature:-35~+80℃

Speed:≤1.0m/s

Media: Lubricated as well as dry and oil-free air (after initial lubrication during assembly)

使用材料为进口PU

硬度90--94 Shore A

颜色：墨绿色

它在密封系统起单向阀作用，自动选择最佳缓冲行程，即使偏心也可自动对中，易于安装

工作压力：≤1.6Mpa

工作温度：-35-+80℃

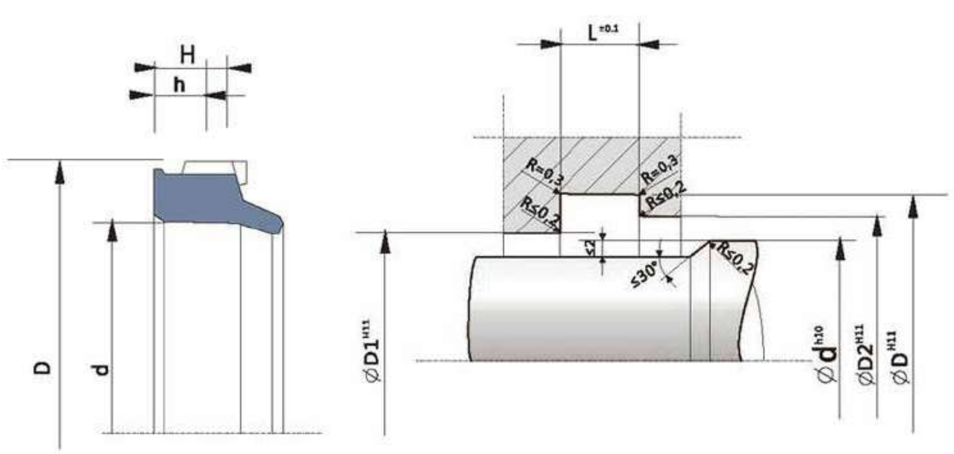
运行速度：≤1m/s

Material

Material:PU

Hardness:90-94 ShoreA

Color: Turquoise



规格及沟槽尺寸　specification & groove size

PP

规格 specification	沟槽尺寸 Grooves dimensions						
	Ød H10	ØD H10	H	h	L ±0.1	ØD1 H11	ØD2 H11
4.5-8-3.5	4.5	8	3.5	2.6	3.1	5	6.5
5-9-4.1	5	9	4.1	3.2	3.7	5.5	7
6-10-4.1	6	10	4.1	3.2	3.7	6.5	8
8-11.6-3.5	8	11.6	3.5	2.8	3.3	8.5	10
9.5-15-4.6	9.5	15	4.6	3.7	4.5	10	12
10-18-7.8	10	18	7.8	6.3	7	10.5	15
12-18-5	12	18	5	4.1	4.8	13	15.5
12-20-5.5	12	20	5.5	4.5	5.2	13	17
12-20-7.8	12	20	7.8	6.3	7	13	17
14-22-5.5	14	22	5.5	4.5	5.2	15	18.5
14-22-7.8	14	22	7.8	5.4	6.1	15	18.5
14-22-7.8	14	22	7.8	6.3	7	15	19
16-22-5.5	16	22	5.5	4.5	5.2	17	19.5
16-24-7.8	16	24	7.8	5.4	6.1	17	21
16-24-7.8	16	24	7.8	6.3	7	17	21
18-26-7.8	18	26	7.8	6.3	7	19	23
20-28-7.8	20	28	7.8	5.4	6.1	21	24
20-28-7.8	20	28	7.8	6.3	7	21	24
22-30-7.8	22	30	7.8	5.4	6.1	23	26
22-30-7.8	22	30	7.8	6.3	7	23	26
25-33-7.8	25	33	7.8	5.4	6.1	26	29
25-33-7.8	25	33	7.8	6.3	7	26	29
27-36-7.8	27	36	7.8	5.4	6.1	28	32
28-36-7.8	28	36	7.8	5.4	6.1	29	32
28-36-7.8	28	36	7.8	6.3	7	29	32
30-38-7.8	30	38	7.8	5.4	6.1	31.5	34
30-40-7.8	30	40	7.8	5.4	6.1	31.5	35
30-40-7.8	30	40	7.8	6.2	7	31.5	35
32-42-7.8	32	42	7.8	5.4	6.1	33.5	37
32-42-7.8	32	42	7.8	6.2	7	33.5	37
36-46-7.8	36	46	7.8	5.4	6.1	37.5	41
36-46-7.8	36	46	7.8	6.2	7	37.5	41
40-50-7.8	40	50	7.8	5.4	6.1	41.5	45
40-50-7.8	40	50	7.8	6.2	7	41.5	45
50-60-7.8	50	60	7.8	5.4	6.1	51.5	55
50-60-7.8	50	60	7.8	6.2	7	51.5	55
50-67-11	50	67	11	11	12.5	53	58
57-74-11	57	74	11	11	12.5	60	65
70-87-11	70	87	11	11	12.5	73	78
78-95-11	78	95	11	11	12.5	81	86

ZHM

气动轴用防尘密封圈
ZHM Pneumatic Rod Wiper seal

本产品是在沟槽中作紧密配合安装的一种气动活塞杆用的唇形防尘密封件。

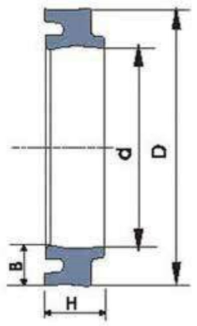
Description: ZHM rod seal/wiper is a lip-seal which fits tightly in groove.

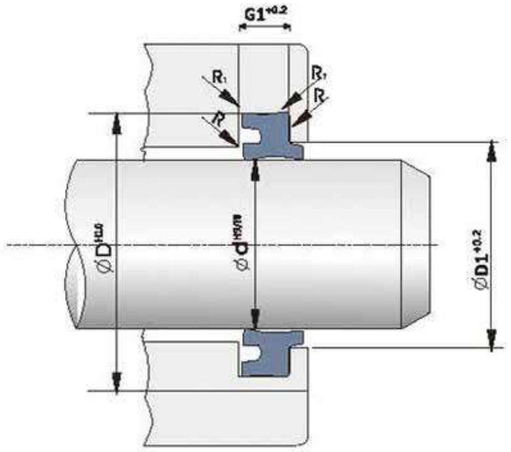
Advantages:
- High abrasion resistance
- Easy installation

Technical Data
Operating conditions
Pressure:≤1.0Mpa
Temperature:-35~+80℃
Speed:≤1m/s

Material
Material:PU
Hardness: 80 Shore A
Color:Natural

使用材料为进口PU
硬度约80shoreA
颜色：本色、墨绿色
耐磨性能好，较易安装
工作压力：≤1.5Mpa
工作温度：-35-+80℃
运行速度：≤1m / s





规格及沟槽尺寸 specification & groove size

ZHM

规格 specification	沟槽尺寸 Grooves dimensions ØdH9/f8	ØDH10	ØD1+0.2	G1+0.2
8-14-9/7	8	14	11	8
10-16-9/7	10	16	13	8
12-18-9/7	12	18	15	8
14-20-9/7	14	20	17	8
15-21-9/7	15	21	18	8
16-22-9/7	16	22	19	8
18-24-9/7	18	24	21	8
20-28-11/8	20	28	24	9
22-30-11/8	22	30	26	9
25-33-11/8	25	33	29	9
28-36-11/8	28	36	32	9
30-38-11/8	30	38	34	9
32-40-11/8	32	40	36	9
35-43-11/8	35	43	39	9
36-44-11/8	36	44	40	9
40-48-11/8	40	48	44	9
45-57-15/11	45	57	50	12
50-62-15/11	50	62	55	12
55-67-15/11	55	67	60	12
60-72-15/11	60	72	65	12
63-75-15/11	63	75	68	12
65-77-15/11	65	77	70	12
70-82-15/11	70	82	75	12
75-87-15/11	75	87	80	12
80-92-15/11	80	92	85	12
85-97-15/11	85	97	90	12
90-102-15/11	90	102	95	12

ZHM

气动活塞密封

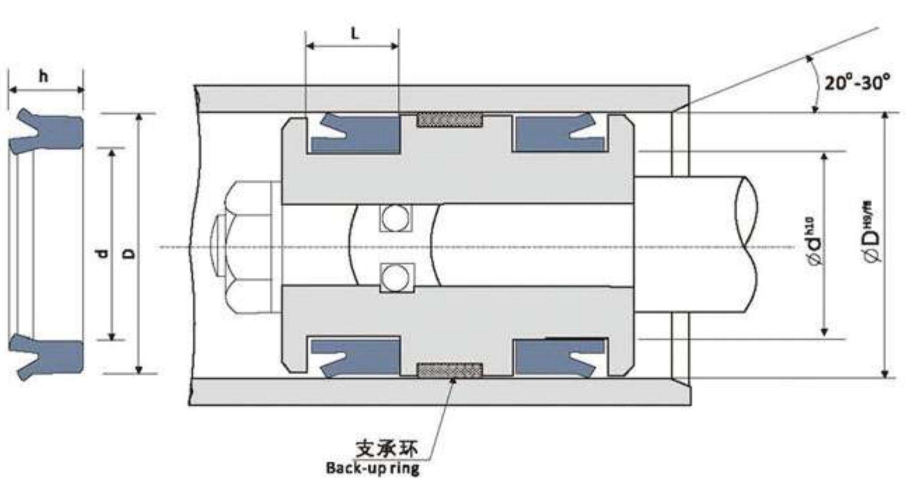
QY-D Pneumatic Piston seal

本产品是适用于各种往复运动气缸活塞中起密封作用的密封件。

This standar is suitable for the pecriprocatingsealed products in all kinds of air cup.

USAGE: This standar is suitable for thepecriprocatingsealed products in all kinds of air cup.
Operating Temperature:-35℃~+80℃
Operating Pressure:<1.6Mpa
Operating Medium:compressed air
products rigidity:80±2° shoreA
Metrial:PU

产品用途：本标准适用于各种往复运动气缸活塞中起密封作用的密封件。
工作温度：-35℃ ~ +80℃
工作压力：<1.6Mpa
工作介质：压缩空气
产品硬度：80±2° shoreA
材质：聚氨酯PU



规格及沟槽尺寸 specification & groove size

规格 specification	沟槽尺寸 Grooves dimensions ØD H9/f8	Ød h10	L
20-12-8	20	12	9
22-14-8	22	14	9
25-17-8	25	17	9
30-22-8	30	22	9
32-24-8	32	24	9
35-27-8	35	27	9
36-28-8	36	28	9
40-32-8	40	32	9
41-30-9	41	30	10
45-37-8	45	37	9
50-42-8	50	42	9
55-47-8	55	47	9
56-48-8	56	48	9
56-46-12	56	46	13
63-53-12	63	53	13
63-51-12	63	51	13
65-55-12	65	55	13
70-60-12	70	60	13
70-58-12	70	58	13
80-70-12	80	70	13
80-68-12	80	68	13
90-80-12	90	80	13
90-78-12	90	78	13
95-85-12	95	85	13
100-90-12	100	90	13
100-88-12	100	88	13
110-100-12	110	100	13
110-98-12	110	98	13
125-115-12	125	115	13
125-113-12	125	113	13
130-120-12	130	120	13
130-118-12	130	118	13
140-130-12	140	130	13
140-128-12	140	128	13
142-130-12	142	130	13
145-135-12	145	135	13
150-138-12	150	138	13
155-143-12	150	143	13
160-150-12	160	150	13
160-148-12	160	148	13
170-155-16	170	155	17
170-154-16	170	154	17
175-162-10	175	162	11
180-165-16	180	165	17
180-164-16	180	164	17
190-175-16	190	175	17
190-174-16	190	174	17
200-185-16	200	185	17
200-184-16	200	184	17
205-189-10	205	189	11
220-205-16	220	205	17
220-204-16	220	204	17
250-235-16	250	235	17
250-234-16	250	234	17
300-285-16	300	285	17
300-284-16	300	284	17
320-305-16	320	305	17
320-304-16	320	304	17
340-320-20	340	320	21
360-340-20	360	340	21
400-380-20	400	380	21
750-710-20	750	710	21

气动活塞杆密封

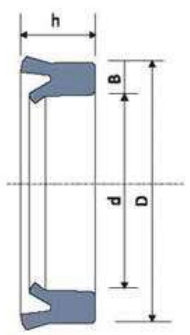
QY-d Pneumatic Rod seal

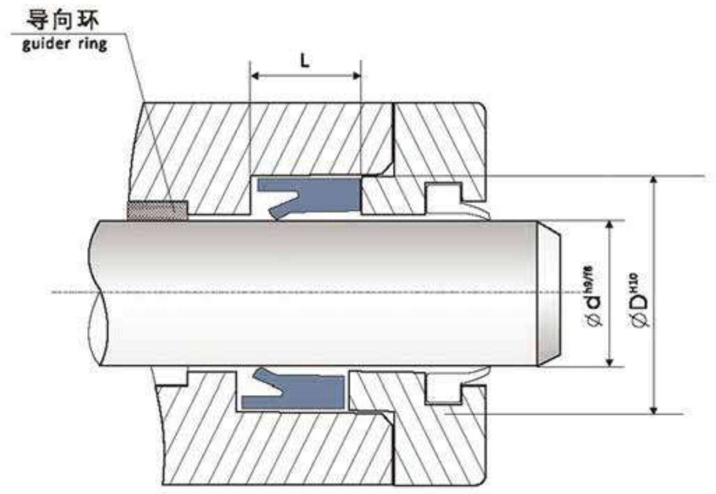
本产品是适用于各种往复运动气缸活塞杆中起密封作用的密封件。

This standar is suitable for the pecriprocatingsealed products in all kinds of air cup.

USAGE: This standar is suitable for the pecriprocatingsealed products in all kinds of air cup.
Operating Temperature:-35℃~+80℃
Operating Pressure:<1.6Mpa
Operating Medium:compressed air
products rigidity:80±2° shoreA
Metrial:PU

产品用途：本标准适用于各种往复运动气缸活塞中起密封作用的密封件。
工作温度：-35℃～+80℃
工作压力：＜1.6Mpa
工作介质：压缩空气
产品硬度：80±2° shoreA
材质：聚氨酯PU





规格及沟槽尺寸 specification & groove size

QY-d

规格 specification	沟槽尺寸 Grooves dimensions Ød h9/f8	ØD H10	L
12-20-8	12	20	9
14-22-8	14	22	9
16-24-8	16	24	9
18-26-8	18	26	9
20-28-8	20	28	9
22-30-8	22	30	9
25-33-8	25	33	9
28-36-8	28	36	9
30-38-8	30	38	9
32-40-8	32	40	9
36-44-8	36	44	9
40-48-8	40	48	9
45-53-8	45	53	9
50-60-12	50	60	13
50-62-12	50	62	13
56-66-12	56	66	13
56-68-12	56	68	13
60-70-12	60	70	13
60-72-12	60	72	13
63-73-12	63	73	13
63-75-12	63	75	13
70-80-12	70	80	13
70-82-12	70	82	13
80-90-12	80	90	13
80-92-12	80	92	13
90-100-12	90	100	13
90-102-12	90	102	13
100-110-12	100	110	13
100-112-12	100	112	13
110-120-12	110	120	13
110-122-12	110	122	13
125-135-12	125	135	13
125-137-12	125	137	13
130-142-12	130	142	13
140-150-12	140	150	13
140-152-12	140	152	13
160-175-16	160	175	17
160-176-16	160	176	17
180-195-16	180	195	17
180-196-16	180	196	17
200-215-16	200	215	17
200-216-16	200	216	17
220-235-16	220	235	17
220-236-16	220	236	17
250-265-16	250	265	17
250-266-16	250	266	17
280-295-16	280	295	17
280-296-16	280	296	17
320-335-16	320	335	17
320-336-16	320	336	17
340-360-20	340	360	21
360-380-20	360	380	21

气动活塞密封

PZ Pneumatic Piston seal

PZ型气动活塞密封件应用于气缸和阀。

Description:PZ pneumatic piston seal has been developed for use in pneumatic cylindersand valves. The double-acting cylinder seal requires only small housing dimensions.Lowfriction cylinder seal with two micro sealing edges and grease deposit in between.

Advantages:

- Good sealing performance in smallinstallation grooves.
- Smooth running thanks to optimumlubricant-retaining sealing lip geometry.
- Low static and dynamic friction.
- For use in dry and oil-free air.Initiallubrication on assembly is essential forlong service life.
- Easy installation.

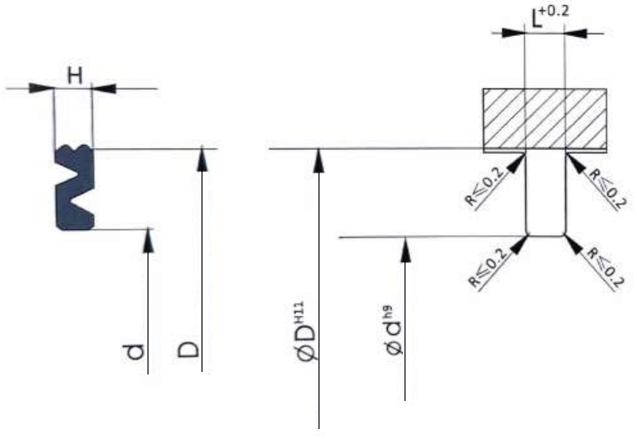
Technical Data

Operating conditions
Pressure:≤1.2Mpa
Temperature:-35~+200℃。
Speed:≤1.0m/s
Media: Air

Material

Material: NBR.FKM

一、性能与用途
Pz型气动密封件用于气缸和阀，双作用缸密封件要求沟槽尺寸小。低摩擦缸密封件有两个微型的密封边。它们之间积放有润滑脂。
二、材质
丁睛橡胶NBR或氟橡胶FKM
三、工作情况
工作压力：≤1.2Mpa；
工作温度：-35～+200℃。（取决于材质）
表面速度：≤1m/s.
四、安装
这类PZ型气动活塞密封件可以很简单地将其套在活塞上而装入沟槽中，为了避免损坏密封件，应将活塞和缸筒边除去。在无润滑的情况下，重要的是要在缸筒内有完整的润滑膜、这应在装配前做到，以确保密封件较长的工作寿命。
五、主要优点
安装沟槽小，密封性能好；
由于有最佳的密封唇口几何形状，因而运行平稳；
结构小，因而静、动磨擦都很低；
适用于干燥空气和无油空气，装配时的初始润滑对延长工作寿命有至关重要的作用；易于装入密封沟槽中。



规格及沟槽尺寸 specification & groove size

PZ

规格 specification	沟槽尺寸 Grooves dimensions ØD H11	Ød h9	L +0.2
12-7-2	12	7	2.5
16-9-2.1	16	9	2.5
20-13-2.1	20	13	2.5
25-18-2.1	25	18	2.5
28-19-2.5	28	19	3
30-21-2.5	30	21	3
32-23-2.5	32	23	3
40-31-2.5	40	31	3
50-41-2.5	50	41	3
63-51-3.4	63	51	4
80-68-3.4	80	68	4
100-88-3.4	100	88	4
125-110-4.4	125	110	5

气动活塞密封

E4 Pneumatic Piston seal

本产品是气动设备活塞专用的一种唇形密封件。

Description: E4 piston seal is a lip-seal specially designed for use in pneumatics. The dimensions of the profile E4 correspond to the cylinder diameters according to ISO3320, CETOP RP52 P, RP43 P and RP53P.

Advantages:

- No danger of corrosion
- No dust corners
- Low friction values and high length of operation
- Suitable for use in dry as well as oil-free air afterinitial assembly lubrication.

Technical Data

Operating conditions

Pressure: ≤1.6 Mpa

Temperature:-35~+200℃

Speed:≤1m/s

Material

Material:PU、NBR.FKM

Hardness:80 Shore A

Color:Turquoise

使用材料为进口PU，NBR，FKM

硬度约80Shore A

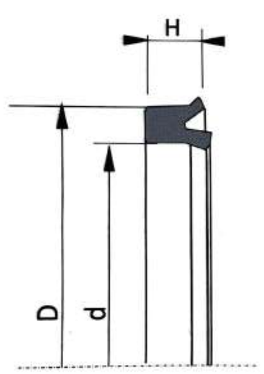
颜色：墨绿色

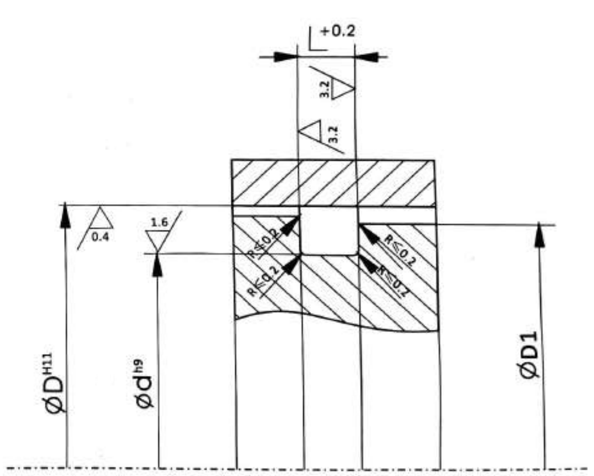
尺寸标准符合ISO3320、CETOP RP52P、RP43P、RP53P标准的缸径

工作压力：≤1.6Mpa

工作温度：-35～＋200℃（取决于材质）

运行速度：≤1m／s





E4

规格及沟槽尺寸　specification & groove size

规格	沟槽尺寸　Grooves dimensions			
specification	$ØD^{H11}$	$Ød^{h9}$	$L^{+0.2}$	ØD1
10 - 5 - 3	10	5	3.5	9
12 - 6 - 4	12	6	4.5	11
12 - 7 - 4	12	7	4.5	11
14 - 8 - 4	14	8	4.5	13
16 - 8 - 5.5	16	8	6	15
16 - 9 - 5	16	9	5.5	15
16 - 10 - 4	16	10	4.5	15
16 - 10 - 5	16	10	4.5	15
20 - 12 - 5.5	20	12	6	19
20 - 14 - 4	20	14	4.5	19
20.5 - 14 - 4	20.5	14	4.5	19.5
22 - 16 - 5	22	16	5.5	21
22 - 18 - 4	22	18	1.5	21
24 - 16 - 5.5	24	16	6	23
25 - 15.5 - 5.8	25	15.5	6.3	24
25 - 17 - 4.5	25	17	5	24
25 - 17 - 5.5	25	17	6	24
28 - 18 - 7	28	18	7.5	26.5
32 - 20 - 6.5	32	20	7	30
32 - 22 - 7	32	22	7.5	30.5
32 - 24 - 5.5	32	24	6	31
34 - 24 - 7	34	24	7.5	32.5
36 - 26 - 7	36	26	7.5	34.5
40 - 30 - 7	40	30	7.5	38.5
42 - 30 - 6	42	30	6.5	40
45 - 33 - 9	45	33	10	44
45 - 37 - 7	45	37	7.5	44
50 - 40 - 7	50	40	4.5	48.5
60 - 50 - 7	60	50	7.5	58.5
63 - 53 - 7	63	53	7.5	61.5
70 - 58 - 7	70	58	7.5	68
75 - 65 - 7.5	75	65	8	73.5
80 - 68 - 8.5	80	68	9.5	78
84 - 72 - 8.5	84	72	9.5	82
99 - 88 - 9.8	99	88	10.8	97
100 - 88 - 8.5	100	88	9.5	98
105 - 93 - 8.5	105	93	9.5	103
110 - 98 - 8.5	110	98	9.5	108
120 - 105 - 10	120	105	11	117.5
125 - 110 - 10	125	110	11	122.5
140 - 125 - 10	140	125	11	137.5
150 - 135 - 10	150	135	11	147.5
160 - 140 - 14	160	140	15	155
160 - 145 - 10	160	145	11	157.5
200 - 180 - 14	200	180	15	195
220 - 199 - 15	220	199	16	215
250 - 225 - 18	250	225	19	242.5
250 - 226 - 16	250	226	17	242.5
250 - 230 - 14	250	230	15	245
320 - 295 - 14	320	295	15	312.5
320 - 295 - 17	320	295	18	312.5
470 - 440 - 21	470	440	22	469.4

气动活塞密封
Pneumatic Piston seal

Z8型气缸密封件是气缸活塞用和阀用的一种唇形密封件。Z8型标准系列相应于符合ISO3320以及CETOPRP52P、RP43P、RP53P标准的缸径。

Description: Z8 pneumatic piston seal is a single-acting lip seal for pistons in pneumatic cylinders and valves. It requires small dimensions. The standard series of profile Z8 conforms to the cylinder diameters of ISO 3320 and CETRO RP 52 P,RP 43 P and RP 53 P.

Advantages:
- Good sealing performance in small installation grooves
- Smooth running thanks to optimum lubricant-retainingsealing lip geometry
- Low static and dynamic friction
- Pressure relief grooves at the outer diameter/nubs on thepiston side of the dynamic sealing lip ensure optimal functionwith flow-controlled exhaust air
- For use in dry and oil-free air
- Suitable for plastic pistons thanks to special design ofthe static sealing area
- High functional reliability due to lip seal design
- Easy installation
- Also suitable for cylinders with cushioning

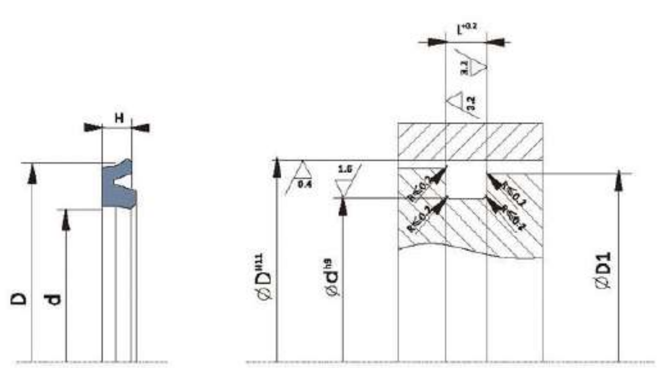
Technical Data

Operating conditions
Pressure: ≤1.6 Mpa.
Temperature:-35~+200℃。
Speed:≤1.0m/s
Media: Air

Material

Material:PU,NBR. FKM
Hardness: 80 Shore A

一、应用范围
工作压力：≤1.6Mpa
工作温度：-35-+200° C。（取决于材质）
使用材料：进口PU、NBR、FKM
运行速度：≤1m/s
工作介质：含油润滑的空气以及干燥空气和无油空气（装配初始润滑后）。
二、主要优点
Z8型唇形密封件的特殊结构用在气动设备上时有以下的优点：安装沟槽小，密封性能好。
由于有保持润滑膜的最佳密封唇口的几何形状，还由于选用了在气动设备上证明是很合适的合成橡胶材料、因而运行非常稳。结构小，因而静、动摩擦都很低。
唇形密封结构保证着密封应有的功能。易于装入密封沟槽中。还适用于有缓冲作用的气缸。
三、安装：
这类Z8型气动活塞密封件可以很容易套在活塞上装入沟槽中。为避免损坏密封件，应将活塞和缸筒上的锐边除去。
在无润滑的情况下，重要的是要在缸筒内获得完整的润滑膜这应在装配之前做到，以确保密封件的工作寿命。



规格及沟槽尺寸 specification & groove size

Z8

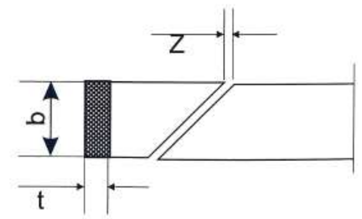
规格 specification	沟槽尺寸 Grooves dimensions ØD H11	Ød h9	L +0.2	ØD1
4-1.5-1.5	4	1.5	2	3.6
5-2.5-1.5	5	2.5	2	4.6
6-3-2	6	3	2.5	5.6
8-4-2.55	8	4	3	7.6
8-4.8-2.3	8	4.8	2.7	7.6
8-5.45-2.3	8	5.45	2.8	7.6
10-3-3.5	10	3	4	9.6
10-6-2.55	10	6	3	9.6
10-6.45-2.55	10	6.45	3	9.6
12-7-2.55	12	7	3	11.6
13-8-2.55	13	8	3	12.6
14-8-2.55	14	8	3	13.6
15-9-2.55	15	9	3	14.6
16-10-2.55	16	10	3	15.6
16-11-2.55	16	11	3	15.6
18-12-2.55	18	12	3	17.6
19.7-13-3.5	19.7	13	3.8	19.3
20-14-2.55	20	14	3	19.6
21-15-2.55	21	15	3	20.4
22-16-2.55	22	16	3	21.4
24-18-3.25	24	18	3.5	23.4
25-19-3.25	25	19	3.5	24.4
28-22-3.25	28	22	3.5	27.4
30-22-3.25	30	22	3.5	29.4
30-22.5-4.8	30	22.5	5.2	29.4
32-24-3.25	32	24	3.5	31.4
35-27-3.25	35	27	3.5	34.4
36-28-3.25	36	28	3.5	35.4
37-29-3.25	37	29	3.5	36.4
38-30-3.25	38	30	3.5	37.4
40-32-3.25	40	32	3.5	39.4
42-34-3.25	42	34	3.5	41.4
45-37-3.25	45	37	3.5	44.4
50-42-3.25	50	42	3.5	49.4
52-42-3.25	52	42	3.5	51.4
57-50.5-3.25	57	50.5	3.5	56.4
58-48-3.25	58	48	3.5	57.4
63-53-3.25	63	53	3.5	62.4
75-65-5	75	65	5.3	74.4
80-70-4.25	80	70	4.5	79.4
90-80-4.25	90	80	4.5	89.4
100-90-4.25	100	90	4.5	99.4
125-105-8.25	125	105	8.5	123.8
150-130-8.25	150	130	8.5	148.8
160-140-8.25	160	140	8.5	158.8
200-180-8.25	200	180	8.5	198.8

导向带

BST GUIDE TAPE

本产品用于液压缸，起导向作用。

Description: Used for hydraulic cylinder piston and shaft for their support and guiding.



活塞用导向带长度：L=πx(D-t)-Z

Length of guide tape for piston

活塞杆用导向带长度：L=πx(d+t)-Z

Length of guide tape for piston rod

1、Performance and Application

Used for hydraulic/air cylinder piston andshaft for their support and guiding.
Easy installation.

2、Materials

PTFE+BRONZE

3、Operating conditions

Temp range:-55℃~+255℃
Media:hydraulic oil,air,water

4、Design standards

Conform to GB/T1524.2-94 standards,or refer to Busak+Shamban's standards for such products.

1、性能与用途

导向环BST适用于液压缸、气缸中活塞和活塞杆的导向，起支承与导向作用。

2、材质

由抗磨的聚四氟乙烯PTFE材料和铜粉制成。

3、工况条件

工作温度：-55℃~255℃

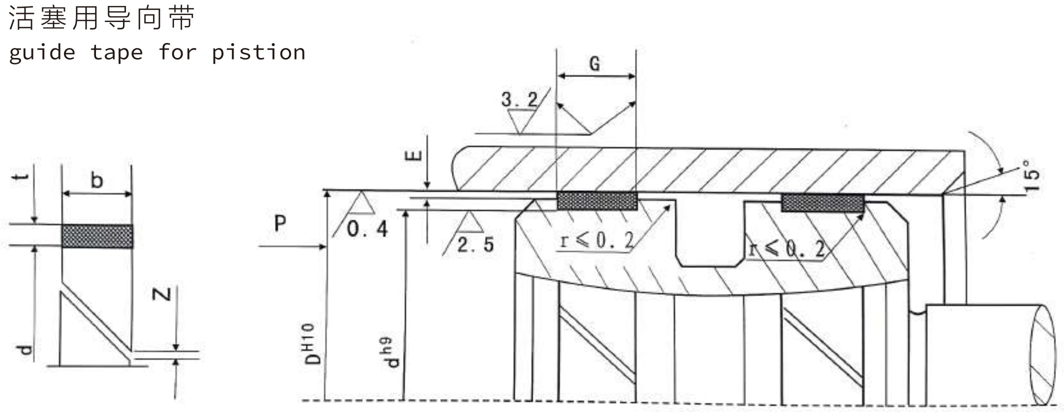
工作介质：液压油、气、水

4、设计标准

符合GB/T1524.2-94标准，可参考霞板公司同类产品标准。

活塞用导向带

guide tape for pistion



规格及沟槽尺寸 specification & groove size

BST

常用尺寸 commom size								
b	t							
3	1	1.5	2					
5	1	1.5	2	2.5	3			
8		1.5	2	2.5	3	3.5		
10		1.5	2	2.5	3	3.5		
11		1.5	2	2.5	3	3.5		
12		1.5	2	2.5	3	3.5		
15		1.5	2	2.5	3	3.5		
20			2	2.5	3	3.5	4	
25			2	2.5	3	3.5	4	
30			2	2.5	3	3.5	4	4.5
35			2	2.5	3	3.5	4	4.5
40					3	3.5	4	
50					3	3.5	4	
60					3	3.5	4	

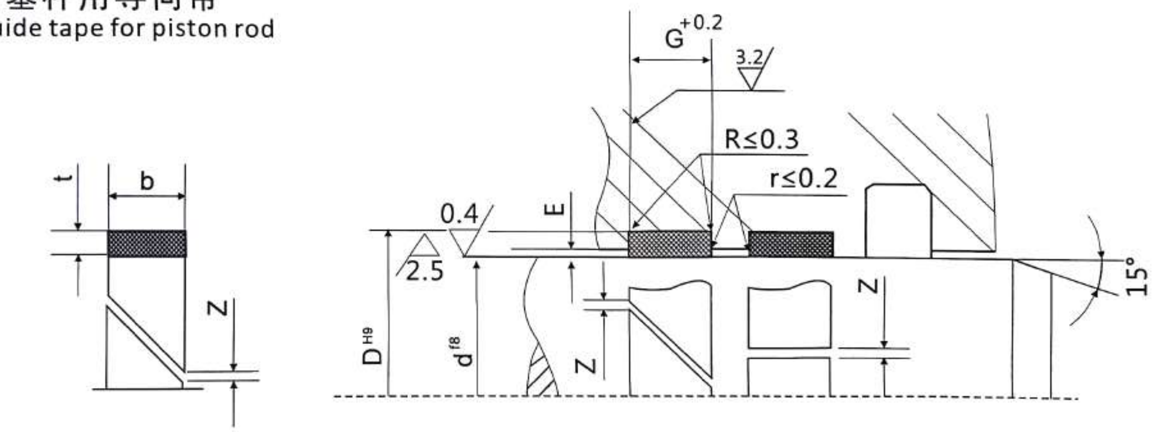
单向与双向作用液压活塞用导向带 single & double acting guide tape for piston

规格及沟槽尺寸 specification & groove size							
Serial No:	D	d	G	E	t	b	Z
BST5903	10 - 25	D - 3	3.2	0.2 - 0.5	1.5	3	1 - 1.5
BST5904	20 - 40	D - 5	4.2	0.25 - 1	2.5	4	1 - 2
BST5906	25 - 80	D - 5	6.3	0.25 - 1	2.5	6.1	1.5 - 3
BST5908	40 - 270	D - 5	8.1	0.25 - 1	2.5	7.9	2 - 5
BST5909	40 - 320	D - 5	9.7	0.25 - 1	2.5	9.5	2 - 6
BST5915	125 - 500	D - 5	15	0.25 - 1	2.5	14.8	4 - 8
BST5920	200 - 500	D - 5	20	0.25 - 1	2.5	19.5	4.5 - 8
BST5925	300 - 500	D - 5	25	0.25 - 1	2.5	24.5	6 - 8
BST5930	300 - 500	D - 5	30	0.25 - 1	2.5	29.5	6 - 9

单向与双向作用气动活塞用导向带 single & double-acting guide tape for piston

规格及沟槽尺寸 specification &groove size							
Serial No:	D	d	G	E	t	b	Z
BST5954	20 - 40	D - 4	4.2	0.25 - 0.75	2	4	1 - 2
BST5956	25 - 80	D - 4	6.3	0.25 - 0.75	2	6.1	1.5 - 3.5
BST5958	40 - 270	D - 4	8.1	0.25 - 0.75	2	7.9	2 - 5
BST5959	40 - 320	D - 4	9.7	0.25 - 0.75	2	9.5	2 - 6
BST5965	125 - 500	D - 4	15	0.25 - 0.75	2	14.8	4 - 8
BST5970	200 - 500	D - 4	20	0.25 - 0.75	2	19.5	4.5 - 8
BST5975	300 - 500	D - 4	25	0.25 - 0.75	2	24.5	6 - 8
BST5980	300 - 500	D - 4	30	0.25 - 0.75	2	29.5	6 - 9

活塞杆用导向带
Guide tape for piston rod



单向与双向作用液压活塞杆用导向带 single & double acting guide tape for piston

规格及沟槽尺寸 specification & groove size							
Serial No:	d	D	G	E	t	b	Z
BST5803	8 -- 20	d+3	3.2	0.2 - 0.5	1.5	3	1.0 -- 1.5
BST5804	15 -- 35	d+5	4.2	0.25 - 1.0	2.5	4	1.0 -- 2.0
BST5806	20 -- 75	d+5	6.3	0.25 - 1.0	2.5	6.1	1.5 -- 3.5
BST5808	30 -- 250	d+5	8.1	0.25 - 1.0	2.5	7.9	2.0 -- 5.0
BST5809	35 -- 300	d+5	9.7	0.25 - 1.0	2.5	9.5	2.0 -- 6.0
BST5815	120 -- 900	d+5	15	0.25 - 1.0	2.5	14.8	4.0 -- 8.0
BST5820	200 -- 900	d+5	20	0.25 - 1.0	2.5	19.5	4.5 -- 8.0
BST5825	300 -- 900	d+5	25	0.25 - 1.0	2.5	24.5	6.0 -- 8.0
BST5830	300 -- 999	d+5	30	0.25 - 1.0	2.5	29.5	6.0 -- 9.0

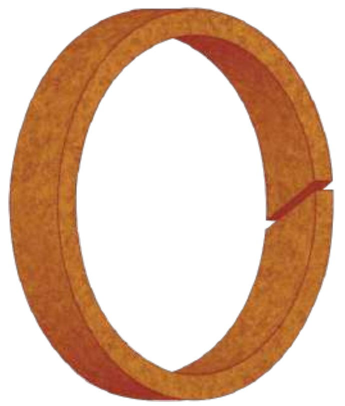
单向与双向作用气动活塞杆用导向带 single & double-acting guide tape for piston

规格及沟槽尺寸 specification & groove size							
Serial No:	d	D	G	E	t	b	Z
BST5854	15 -- 35	d+4	4.2	0.25 - 0.75	2	4	1.0 -- 2.0
BST5856	20 -- 75	d+4	6.3	0.25 - 0.75	2	6.1	1.5 -- 3.5
BST5858	30 -- 250	d+4	8.1	0.25 - 0.75	2	7.9	2.0 -- 5.0
BST5859	35 -- 300	d+4	9.7	0.25 - 0.75	2	9.5	2.0 -- 6.0
BST5865	120 -- 900	d+4	15	0.25 - 0.75	2	14.8	4.0 -- 8.0
BST5870	200 -- 900	d+4	20	0.25 - 0.75	2	19.5	4.5 -- 8.0
BST5875	300 -- 900	d+4	25	0.25 - 0.75	2	24.5	6.0 -- 8.0
BST5880	300 -- 999	d+4	30.5	0.25 - 0.75	2	29.5	6.0 -- 9.0

酚醛夹布导向环
ZS WR Phenolic fabric Guide Ring

本产品用于液压缸，起支撑导向作用。

Description: ZS is used as piston and rod guides in standard hydraulic cylinders exposedto high loads that can occur e.g. in mobile hydraulics and presses.



Advantages:
- High abrasion resistance
- Low friction value
- Stick-slip free running
- Dimensionally stable and vibration absorbing
- High resistance against extrusion
- Low compression set
- Easy installation

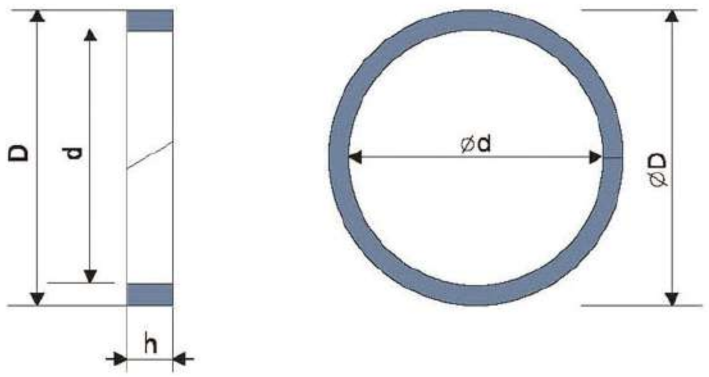
Technical Data

Operating conditions
Temperature:-35℃~110℃
Speed:≤5m/s

Material

Material:Phenolic fabric

使用材料为:
酚醛夹布（淡黄色）
温度：-35℃~110℃
耐磨性能好，低摩擦，无爬行，减震性能好，防挤出，压缩变形小，较易安装
可按客户要求提供
运行速度：≤5m/s



规格及沟槽尺寸 specification & groove size

d	D	h	槽宽$^{+0.1}$	h1	槽宽$^{+0.1}$	h2	槽宽$^{+0.1}$	h3	槽宽$^{+0.1}$	h4	槽览$^{+0.1}$	h5	槽宽$^{+0.1}$	h6	槽宽$^{+0.1}$
40	45	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
45	50	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
50	55	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
55	60	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
60	65	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
65	70	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15						
70	75	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
75	80	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
80	85	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
85	90	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
90	95	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
95	100	5.5	5.7	7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
100	105			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
105	110			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
110	115			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
115	120			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
120	125			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
125	130			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
130	135			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
135	140			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
140	145			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
145	150			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
150	155			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
155	160			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
160	165			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
165	170			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
170	175			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
175	180			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
180	185			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
185	190			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
190	195			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
195	200			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
200	205			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
205	210			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
210	215			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
215	220			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
220	225			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
225	230			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
230	235			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
235	240			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
240	245			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
245	250			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
250	255			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
260	265			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
270	275			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
280	285			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
290	295			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
300	305			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
320	325			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5
350	355			7.9	8.1	9.5	9.7	14.8	15	20	20.5	25	25.5	30	30.5

聚甲醛导向环

POM Guide Ring

本产品用于液压缸，起支撑导向作用。

Description: is used as piston and rod guides in standard hydraulic cylinders exposedto high loads that can occur e.g. in mobile hydraulics and presses.

Advantages:

- High abrasion resistance
- Low friction value
- Stick-slip free running
- Dimensionally stable and vibration absorbing
- High resistance against extrusion
- Low compression set
- Easy installation

Technical Data

Operating conditions

Temperature:-35℃~80℃

Speed:≤5m/s

Material

Material:POM

Color:Black

使用材料为:

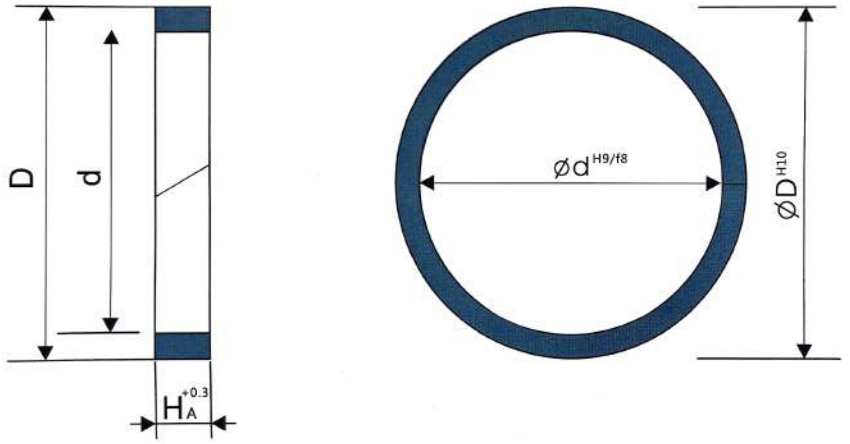
POM（黑色）

温度：-35℃~80℃

耐磨性能好，低摩擦，无爬行，减震性能好，防挤出，压缩变形小，较易安装

可按客户要求提供

运行速度：≤5m/s



规格及沟槽尺寸　specification & groove size

规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$
16 - 9 - 9.5	16	19	9.7
18 - 22 - 6.1	18	22	6.3
20 - 23 - 9.7	20	23	9.9
20 - 25 - 8	20	25	8.2
20 - 25 - 9.7	20	25	9.9
25 - 29 - 8	25	29	8.2
25 - 30 - 14.8	25	30	15
27 - 32 - 14.8	27	32	15
30 - 34 - 4	30	34	4.2
30 - 35 - 14.8	30	35	15
31.75 - 38.1 - 9.5	31.75	38.1	9.7
32 - 37 - 4	32	37	4.2
35 - 40 - 9.5	35	40	9.7
35 - 40 - 9.7	35	40	9.9
35 - 40 - 14.5	35	40	14.7
35 - 40 - 14.8	35	40	15
37 - 47 - 3	37	47	3.2
38 - 43 - 9.5	38	43	9.7
38.1 - 44.45 - 9.5	38.1	44.45	9.7
40 - 44 - 30	40	44	30.5
40 - 45 - 9.5	40	45	9.7
40 - 45 - 14.8	40	45	15
43.6 - 50 - 9.5	43.6	50	9.7
45 - 50 - 8	45	50	8.2
45 - 50 - 14.8	45	50	15
50 - 54 - 9.8	50	54	10
50 - 55 - 9.7	50	55	9.9
50 - 55 - 14.8	50	55	15
50 - 55 - 29.8	50	55	30
50.1 - 56.5 - 9.5	50.1	56.5	9.7
50.4 - 57 - 12.5	50.4	57	12.7
55 - 60 - 14.8	55	60	15
57.15 - 63.5 - 9.5	57.15	63.5	9.7
58 - 63 - 5.5	58	63	5.7
59 - 63 - 8	59	63	8.2
60 - 64 - 9	60	64	9.2
63 - 68 - 14.8	63	68	15
63.45 - 69.85 - 9.5	63.45	69.85	9.7
65 - 70 - 6.8	65	70	7
65 - 70 - 6.9	65	70	7.1
65 - 70 - 8	65	70	8.2
65 - 70 - 9.5	65	70	9.7
65 - 70 - 14.8	65	70	15
70 - 74 - 9.8	70	74	10
70 - 75 - 14.8	70	75	15
73.3 - 80 - 24.5	73.3	80	25
75 - 80 - 6.9	75	80	7.1
75 - 80 - 8	75	80	8.2
75 - 80 - 9.5	75	80	9.7
75 - 80 - 14.8	75	80	15

规格 specification	沟槽尺寸 Grooves dimensions Ød$^{H9/f8}$	ØD^{H10}	HA$^{+0.3}$
80 - 84 - 9	80	84	9.2
80 - 85 - 14.8	80	85	15
85 - 90 - 9.5	85	90	9.7
86 - 90 - 9.8	86	90	10
82.45 - 88.9 - 9.5	82.45	88.9	9.7
90 - 95 - 14.8	90	95	15
93.3 - 100 - 16.5	93.3	100	16.7
94.6 - 101 - 9.5	94.6	101	9.7
95 - 100 - 8	95	100	8.2
95 - 100 - 14.8	95	100	15
96 - 110 - 4.2	96	110	4.4
105 - 110 - 14.8	105	110	15
106 - 120 - 42	106	120	42.5
107.9 - 114.3 - 9.5	107.9	114.3	9.7
114 - 120 - 3	114	120	3.2
120.2 - 126.6 - 9.5	120.2	126.6	9.7
129 - 135 - 3	129	135	3.2

纳污耐磨环

KZT Wear ring

本产品与活塞密封件和抗磨环结合使用，防止油缸内的油因混有外界物质而引起密封件的损坏，并确保密封件有长的使用寿命。

在与活塞杆密封件、金属衬套结合使用时，因本产品的原材料有杂质浸没功能，故可防止活塞杆的损坏。

本产品有一切口和油压旁通槽，防止油压的积累。

This product is used in combination with piston seals and anti-wear rings to prevent the oil in the cylinder from being mixed with external substances and causing damage to the seals, and to ensure that the seals have a long service life. When used in combination with piston rod seals and metal bushings, the raw materials of this product have the function of impurity immersion, so it can prevent the damage of the piston rod.

This product has all ports and oil pressure bypass slots to prevent the accumulation of oil pressure.

Advantages:

- High abrasion resistance
- Easy installation

Technical Data

Operating conditions

Pressure:≤1.0Mpa

Temperature:-35℃~200℃

Material

Material: PTFE+BRONZE

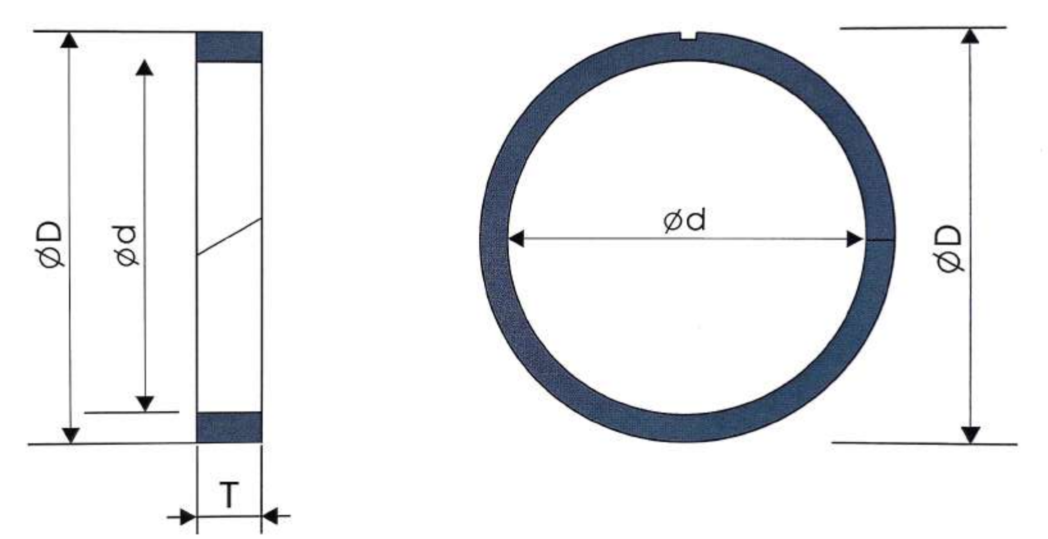
性能：

高度抗挤出

较易安装

温度：-35℃~200℃

材料：PTFE+BRONZE



规格及沟槽尺寸 specification & groove size

KZT

	沟槽尺寸 Grooves dimensions		
specification	ØD	Ød	T
70 - 62 - 4	70	62	4
80 - 72 - 4	80	72	4
85 - 77 - 4	85	77	4
90 - 82 - 4	90	82	4
95 - 87 - 4	95	87	4
100 - 92 - 4	100	92	4
105 - 97 - 4	105	97	4
110 - 102 - 4	110	102	4
115 - 107 - 4	115	107	4
120 - 112 - 4	120	112	4
65 - 57 - 6.1	65	57	6
70 - 62 - 6.1	70	62	6
75 - 67 - 6.1	75	67	6
80 - 72 - 6.1	80	72	6
85 - 77 - 6.1	85	77	6
90 - 82 - 6.1	90	82	6
95 - 87 - 6.1	95	87	6
100 - 92 - 6.1	100	92	6
105 - 97 - 6.1	105	97	6
110 - 102 - 6.1	110	102	6
115 - 107 - 6.1	115	107	6
120 - 112 - 6.1	120	112	6
125 - 117 - 6.1	125	117	6
130 - 122 - 6.1	130	122	6
135 - 127 - 6.1	135	127	6
140 - 132 - 6.1	140	132	6
145 - 137 - 6.1	145	137	6
150 - 142 - 6.1	150	142	6
160 - 152 - 6.1	160	152	6
165 - 157 - 6.1	165	157	6
170 - 162 - 6.1	170	162	6
175 - 167 - 6.1	175	167	6
180 - 172 - 6.1	180	172	6
185 - 177 - 6.1	185	177	6
190 - 182 - 6.1	190	182	6
200 - 192 - 6.1	200	192	7.9
80 - 72 - 7.9	80	72	7.9
85 - 77 - 7.9	85	77	7.9
90 - 82 - 7.9	90	82	7.9
95 - 88 - 7.9	95	88	7.9
100 - 92 - 7.9	100	92	7.9
105 - 97 - 7.9	105	97	7.9
110 - 102 - 7.9	110	102	7.9
115 - 107 - 7.9	115	107	7.9
120 - 112 - 7.9	120	112	7.9
125 - 117 - 7.9	125	117	7.9
130 - 122 - 7.9	130	122	7.9
135 - 127 - 7.9	135	127	7.9
140 - 132 - 7.9	140	132	7.9
145 - 137 - 7.9	145	137	
150 - 142 - 7.9	150	142	7.9
155 - 147 - 7.9	155	147	7.9
160 - 152 - 7.9	160	152	7.9

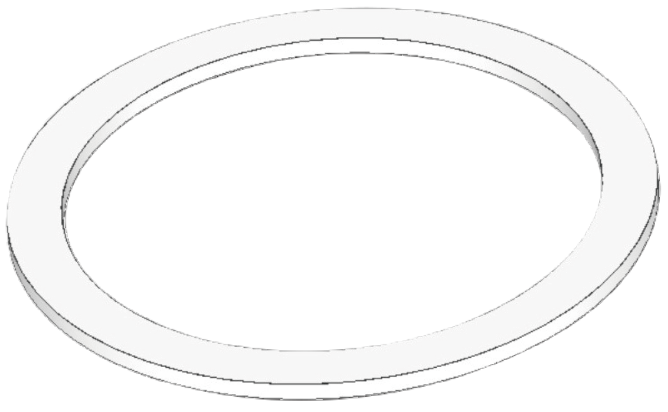
	沟槽尺寸 Grooves dimensions		
specification	ØD	Ød	T
165 - 157 - 7.9	165	157	7.9
170 - 162 - 7.9	170	162	7.9
175 - 167 - 7.9	175	167	7.9
180 - 172 - 7.9	180	172	7.9
185 - 177 - 7.9	185	177	7.9
190 - 182 - 7.9	190	182	7.9
200 - 192 - 7.9	200	192	7.9
80 - 72 - 9.5	80	72	9.5
85 - 77 - 9.5	85	77	9.5
90 - 82 - 9.5	90	82	9.5
95 - 87 - 9.5	95	87	9.5
100 - 92 - 9.5	100	92	9.5
105 - 97 - 9.5	105	97	9.5
110 - 102 - 9.5	110	102	9.5
115 - 107 - 9.5	115	107	9.5
120 - 112 - 9.5	120	112	9.5
125 - 117 - 9.5	125	117	9.5
130 - 122 - 9.5	130	122	9.5
135 - 127 - 9.5	135	127	9.5
140 - 132 - 9.5	140	132	9.5
145 - 137 - 9.5	145	137	9.5
150 - 142 - 9.5	150	142	9.5
155 - 147 - 9.5	155	147	9.5
160 - 152 - 9.5	160	152	9.5
165 - 157 - 9.5	165	157	9.5
170 - 162 - 9.5	170	162	9.5
175 - 167 - 9.5	175	167	9.5
180 - 172 - 9.5	180	172	9.5
185 - 177 - 9.5	185	177	9.5
190 - 182 - 9.5	190	182	9.5
200 - 192 - 9.5	200	192	9.5
205 - 197 - 9.5	205	197	9.5
210 - 202 - 9.5	210	202	9.5
215 - 207 - 9.5	215	207	9.5
220 - 212 - 9.5	220	212	9.5
160 - 152 - 9	160	152	9
170 - 162 - 9	170	162	9
180 - 172 - 9	180	172	9
190 - 182 - 9	190	182	9
200 - 192 - 9	200	192	9
70 - 62 - 12	70	62	12
80 - 72 - 12	80	72	12
80 - 72 - 15	80	72	15
85 - 77 - 15	85	77	15
90 - 82 - 15	90	82	15
95 - 87 - 15	95	87	15
100 - 92 - 15	100	92	15
105 - 97 - 15	105	97	15
110 - 102 - 15	110	102	15
115 - 107 - 15	115	107	15
120 - 112 - 15	120	112	15
125 - 117 - 15	125	117	15
130 - 122 - 15	130	122	15

支撑环

Back up ring

本产品用于密封件底部，防止密封件在高压下被挤出。

Description: Back-up rings prevent migration of seal rings into the sealing gap whensubjected to high pressures.



Advantages:

- High abrasion resistance
- Easy installation

Technical Data

Operating conditions

Pressure:≤1.0Mpa

Temperature:-35℃ ~ 200℃

Material

Materrial: PTFE

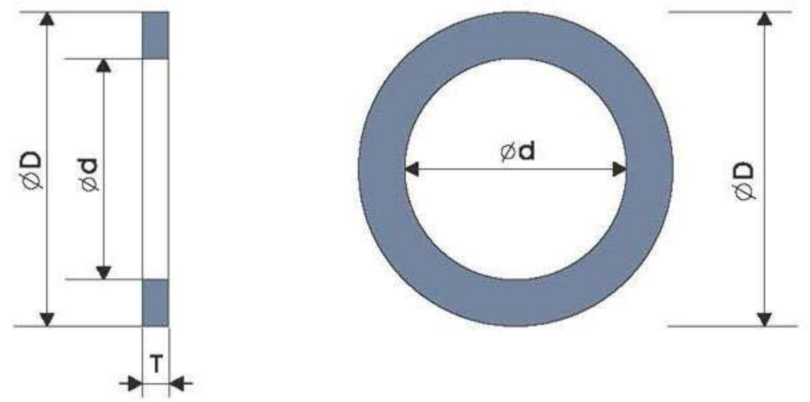
性能:

高度抗挤出

较易安装

温度：-35℃ ~ 200℃

材料：PTFE



规格及沟槽尺寸 specification & groove size

BRT

沟槽尺寸 Grooves dimensions			
Serial No:	Ød	ØD	T
P - 3	3	6	1.25
P - 4	4	7	1.25
P - 5	5	8	1.25
P - 6	6	9	1.25
P - 7	7	10	1.25
P - 8	8	11	1.25
P - 9	9	12	1.25
P - 10	10	13	1.25
P - 10A	10	14	1.25
P - 11	11	15	1.25
P - 11.2	11.2	15.2	1.25
P - 12	12	16	1.25
P - 12.5	12.5	16.5	1.25
P - 14	14	18	1.25
P - 15	15	19	1.25
P - 16	16	20	1.25
P - 18	18	22	1.25
P - 20	20	24	1.25
P - 21	21	25	1.25
P - 22	22	26	1.25
P - 22A	22	28	1.25
P - 22.4	22.4	28.4	1.25
P - 24	24	30	1.25
P - 25	25	31	1.25
P - 25.5	25.5	31.5	1.25
P - 26	26	32	1.25
P - 28	28	34	1.25
P - 29	29	35	1.25
P - 29.5	29.5	35.5	1.25
P - 30	30	36	1.25
P - 31	31	37	1.25
P - 31.5	31.5	37.5	1.25
P - 32	32	38	1.25
P - 34	34	40	1.25
P - 35	35	41	1.25
P - 35.5	35.5	41.5	1.25
P - 36	36	42	1.25
P - 38	38	44	1.25
P -39	39	45	1.25
P - 40	40	46	1.25
P - 41	41	47	1.25
P - 42	42	48	1.25
P - 44	44	50	1.25
P - 45	45	51	1.25
P - 46	46	52	1.25
P - 48	48	54	1.25
P - 49	49	55	1.25
P - 50	50	56	1.25
P - 48A	48	58	1.9
P - 50A	50	60	1.9
P - 52	52	62	1.9
P - 53	53	63	1.9
P - 55	55	65	1.9
P - 56	56	66	1.9
P - 58	58	68	1.9
P - 60	60	70	1.9
P - 62	62	72	1.9

沟槽尺寸 Grooves dimensions			
Serial No:	Ød	ØD	T
P - 63	63	73	1.9
P - 65	65	75	1.9
P - 67	67	77	1.9
P - 70	70	80	1.9
P - 71	71	81	1.9
P - 75	75	85	1.9
P - 80	80	90	1.9
P - 85	85	95	1.9
P - 90	90	100	1.9
P - 95	95	105	1.9
P - 100	100	110	1.9
P - 102	102	112	1.9
P - 105	105	115	1.9
P - 110	110	120	1.9
P - 112	112	122	1.9
P - 115	115	125	1.9
P - 120	120	100	1.9
P - 125	125	135	1.9
P - 130	130	140	1.9
P - 135	135	145	1.9
P - 140	140	150	1.9
P - 145	145	155	1.9
P - 150	150	160	1.9
P - 150A	150	165	2.75
P - 155	155	170	2.75
P - 160	160	175	2.75
P - 165	165	180	2.75
P - 170	170	185	2.75
P - 175	175	190	2.75
P - 180	180	195	2.75
P - 185	185	200	2.75
P - 190	190	205	2.75
P - 195	195	209	2,75
P - 200	200	210	2.75
P - 205	205	215	2.75
P - 209	209	220	2.75
P - 210	210	225	2.75
P - 215	215	230	2.75
P - 220	220	235	2.75
P - 225	225	240	2.75
P - 230	230	245	2.75
P - 235	235	250	2.75
P - 240	240	255	2.75
P - 245	245	260	2.75
P - 250	250	265	2.75
P - 255	255	270	2.75
P - 260	260	275	2.75
P - 265	265	280	2.75
P - 270	270	285	2.75
P - 275	275	290	2.75
P - 280	280	295	2.75
P - 285	285	300	2.75
P - 290	290	305	2.75
P - 295	295	310	2.75
P - 300	300	315	2.75
P - 315	315	330	2.75
P - 320	320	335	2.75

规格及沟槽尺寸 specification & groove size

BRT

沟槽尺寸 Grooves dimensions			
Serial No:	Ød	ØD	T
G - 25	25	30	1.25
G - 30	30	35	1.25
G - 35	35	40	1.25
G - 40	40	45	1.25
G - 45	45	50	1.25
G - 50	50	55	1.25
G - 55	55	60	1.25
G - 60	60	65	1.25
G - 65	65	70	1.25
G - 70	70	75	1.25
G - 75	75	80	1.25
G - 80	80	85	1.25
G - 85	85	90	1.25
G - 90	90	95	1.25
G - 95	95	100	1.25
G - 100	100	105	1.25
G - 105	105	110	1.25
G - 110	110	115	1.25
G - 115	115	120	1.25
G - 120	120	125	1.25
G - 125	125	130	1.25
G - 130	130	135	1.25
G - 135	135	140	1.25
G - 140	140	145	1.25
G - 145	145	150	1.25
G - 150	150	155	1.9
G - 155	155	160	1.9
G - 160	160	165	1.9
G - 165	165	170	1.9
G - 170	170	175	1.9
G - 175	175	180	1.9
G - 180	180	185	1.9
G - 185	185	190	1.9
G - 190	190	195	1.9
G - 195	195	200	1.9
G - 200	200	210	1.9
G - 210	210	220	1.9
G - 220	220	230	1.9
G - 230	230	240	1.9
G - 240	240	250	1.9
G - 250	250	260	1.9
G - 260	260	270	1.9
G - 270	270	280	1.9
G - 280	280	290	1.9
G - 290	290	300	1.9
G - 300	300	310	1.9

支撑环

ABA Back up ring

本产品用于密封件底部，防止密封件在高压下被挤出。

Description:Back-up rings prevent migration of seal rings into the sealinggap whensubjected to high pressures.

Advantages:

- High abrasion resistance
- Easy installation

性能：

高度抗挤出

较易安装

温度：-35℃～200℃（取决于原材料）

材料：尼龙/PTFE+铜粉

Technical Data

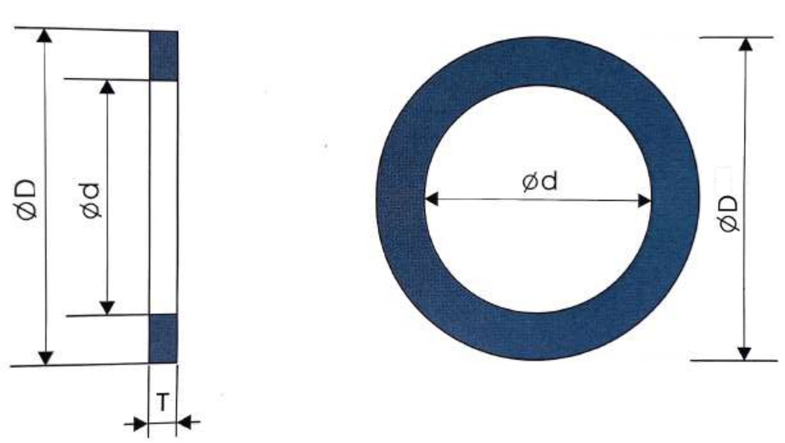
Operating conditions

Pressure:≤1.0Mpa

Temperature:-35℃～200℃

Material

Materrial: NYLON/PTFE+BRONZE



规格及沟槽尺寸 specification & groove size

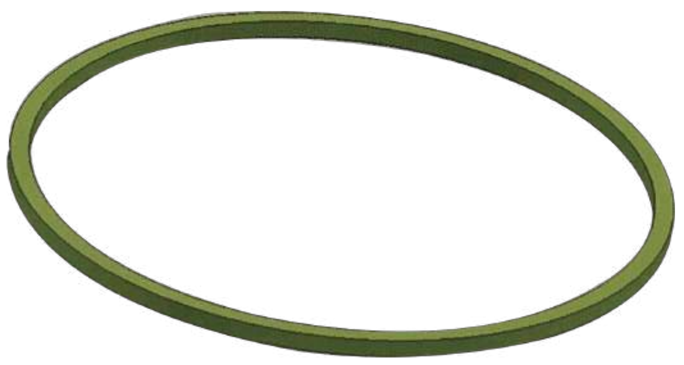
ABA

specification	沟槽尺寸 Grooves dimensions Ød	ØD	T
40-50-3	40	50	3
45-55-3	45	55	3
45-60-3	45	60	3
50-60-3	50	60	3
50-63-3	50	63	3
50-65-3	50	65	3
55-65-3	55	65	3
55-68-3	55	68	3
55-70-3	55	70	3
60-70-3	60	70	3
60-73-3	60	73	3
60-75-3	60	75	3
60-80-3	60	80	3
64-80-3	64	80	3
65-75-3	65	75	3
65-78-3	65	78	3
65-80-3	65	80	3
65-85-3	65	85	3
70-80-3	70	80	3
70-83-3	70	83	3
70-85-3	70	85	3
70-90-3	70	90	3
75-85-3	75	85	3
75-88-3	75	88	3
75-90-3	75	90	3
75-95-3	75	95	3
80-90-3	80	90	3
80-93-3	80	93	3
80-95-3	80	95	3
80-100-3	80	100	3
85-100-3	85	100	3
85-105-3	85	105	3
90-105-3	90	105	3
90-110-3	90	110	3
95-110-3	95	110	3
95-115-3	95	115	3
100-115-3	100	115	3
100-120-3	100	120	3
105-120-3	105	120	3
105-125-3	105	125	3
110-125-3	110	125	3
110-130-3	110	130	3
115-130-3	115	130	3
115-135-3	115	135	3
120-135-3	120	135	3
120-140-3	120	140	3
125-140-3	125	140	3
130-145-3	130	145	3
130-150-3	130	150	3
140-160-3	140	160	3
150-170-3	150	170	3
160-180-3	160	180	3
170-190-3	170	190	3
80-95-2	80	95	2
85-100-2	85	100	2
90-105-2	90	105	2
95-110-2	95	110	2
100-115-2	100	115	2

耐磨环
N4W Wear ring

本产品用于密封件底部，防止密封件在高压下被挤出。

Description:Back-up rings prevent migration of seal rings into the sealing gap whensubjected to high pressures.

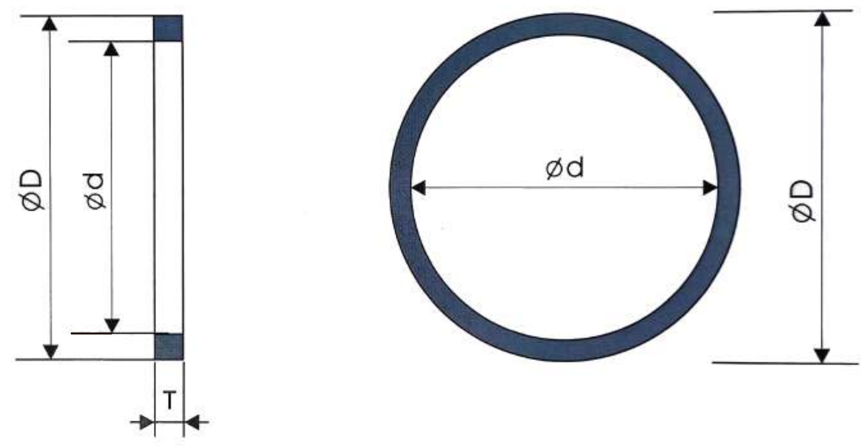


Advantages:
- High abrasion resistance
- Easy installation

性能：
高度抗挤出
较易安装
温度：-35℃ ~100℃
材料：尼龙

Technical Data
Operating conditions
Pressure:≤1.0Mpa
Temperature:-35℃ ~100℃

Material
Materrial:NYLON



规格及沟槽尺寸 specification & groove size N4W

沟槽尺寸 Grooves dimensions			
specification	ØD	Ød	T
90 - 85 - 2.5	90	85	2.5
95 - 90 - 2.5	95	90	2.5
100 - 95 - 2.5	100	95	2.5
105 - 100 - 2.5	105	100	2.5
110 - 105 - 2.5	110	105	2.5
110 - 104 - 3	110	104	3
115 - 109 - 3	115	109	3
120 - 114 - 3	120	114	3
125 - 119 - 3	125	119	3
130 - 124 - 3	130	124	3
135 - 129 - 3	135	129	3
140 - 134 - 3	140	134	3
145 - 139 - 3	145	139	3
150 - 144 - 3	150	144	3
160 - 154 - 3	160	154	3
170 - 164 - 3	170	164	3
180 - 174 - 3	180	174	3

组合垫片
BONDED SEAL

本产品用于液压油缸和其它液压及气动用途

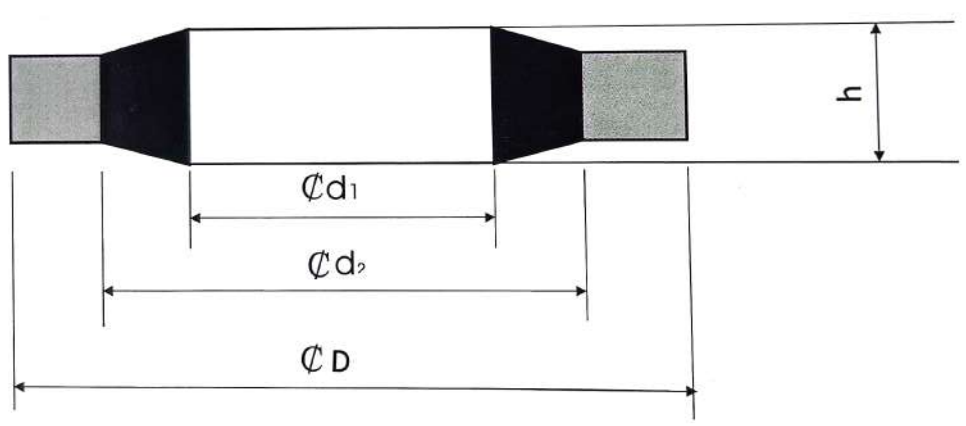
Description:hydraulic cylinders and other hydraulic or pneumatic application

APPLICATION:

Appliation:hydraulic cylinders and other hydraulic or pneumatic application
Motion:static
Media:mineral-based Oil,hydraulic fluid
Material:rubber:NBR 70 shore A
metal:stainless steel + anti-corrosion treatment
Temperature:-35℃ ~100℃

产品用途：

用途：液压油缸和其它液压及气动用途
动作：静态
介质：矿物油、液压流体
材料：
橡胶：NBR 70 shoreA
金属：不锈钢或钢+防腐处理
温度：-35℃ ~100℃



规格及沟槽尺寸 specification & groove size

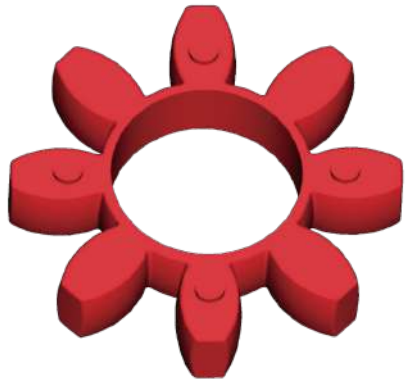
公称直径 nomanal diamatet	Ød1		Ød2		ØD		h±0.1	孔d2 允许偏心	适合螺纹尺寸 Size of suit thread
	尺寸 base size	公差 tolerance							
4	4.3	± 0.12	5.3	+0.24	7.5	-0.24	2.7	0.1	M4
6	6.4	± 0.12	8	+0.24	12	-0.24	2.7	0.1	M6
8	8.4	± 0.12	10	+0.24	14	-0.24	2.7	0.1	M8
10	10.4	± 0.12	12	+0.24	16	-0.28	2.7	0.1	M10(G1/8")
12	12.4	± 0.12	14	+0.24	18	0.28	2.7	0.1	M12
14	14.4	± 0.12	16	+0.24	20	-0.28	2.7	0.1	M14(G1/4")
16	16.4	± 0.12	18	+0.24	22	-0.28	2.7	0.1	M16
18	18.4	± 0.12	20	+0.24	25	-0.28	2.7	0.1	M18(G3/8")
20	20.5	± 0.14	23	+0.28	28	-0.28	2.7	0.1	M20
22	22.5	± 0.14	25	+0.28	30	-0.28	2.7	0.1	M22(G1/2")
24	24.5	± 0.14	27	+0.28	32	-0.34	2.7	0.15	M24
27	27.5	± 0.14	30	+0.28	35	-0.34	2.7	0.15	M27(G3/4")
30	30.5	± 0.14	33	+0.28	38	-0.34	2.7	0.15	M30
33	33.5	± 0.17	36	+0.34	42	-0.34	2.9	0.15	M33(G1")
36	36.6	± 0.17	40	+0.34	46	-0.34	2.9	0.15	M36
39	39.6	± 0.17	43	+0.34	50	-0.34	2.9	0.15	M39
42	42.6	± 0.17	46	+0.34	53	-0.4	2.9	0.15	M42(G11/4")
45	45.6	± 0.17	49	+0.34	56	-0.4	2.9	0.15	M45
48	48.7	± 0.17	52	+0.34	60	-0.4	2.9	0.15	M48(G11/2")
52	52.7	± 0.2	56	+0.4	66	-0.4	2.9	0.15	M52
60	60.7	± 0.2	64	+0.4	75	-0.4	2.9	0.15	M60(G2")

梅花型联轴器弹性缓冲垫

GR elastic spiders for shaft coupling

本产品适用于各种传动机械连轴器，作用于传动轴的缓冲联接。

Description:GR elastic spider is suitable for all hub machines. It's also the recommendedelastomer insert for all applications in general engineering/hydraulics.



Advantages:

- Extremely resistant to wear, oil, ozone and ageing. Alsoresistant to hydrolysis (ideal for tropical climates)
- Protect the drive against dynamic overload
- Good physical properties
- Wide range of application
- Failure protection
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Torque:22.4-2500N · M

Material

Material:PU

Hardness:Yellow:93 Shore A

Red: 98 Shore A

使用材料为：聚氨酯PU

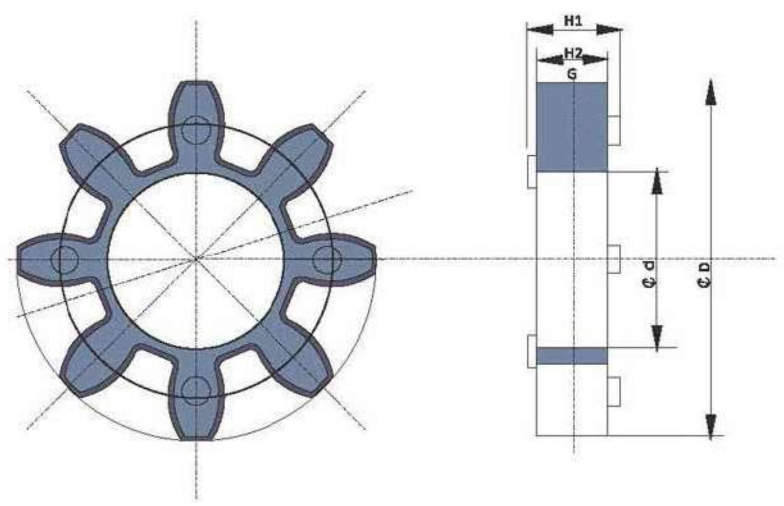
产品硬度：兰色的82shoreA，绿色的64shoreD

黄色的93shoreA，红色的98shoreA

物理性能好，结构紧凑，尺寸小，重量轻，有失效保护功能，容易安装，能有效纠正安装偏差，最大扭转角度可达到5°，适用范围广

工作温度：-35~+100℃

扭矩：22.4-2500NM



规格及沟槽尺寸　specification & groove size　GR

Serial No:	ØD	Ød	H1	H2	瓣数 quantity of patal
GR-10	20	-	10	8	4
GR-14	30	-	12	10	4
GR-19	40	18	14.5	12	6
GR-24	54	26	15.2	14	8
GR-28	65	30	19	15	8
GR-38	80	38	22	18	8
GR-42	95	46	24	20	8
GR-48	104	51	25.5	20.5	8
GR-55	120	60	28	22	8
GR-65	135	68	32	26	8
GR-75	161	81	37	30	10
GR-90	199	100	42	34	10
GR-100	224	111	-	38	10
GR-110	255	128	-	42.5	10
GR-125	293	150	-	46.5	10
GR-140	318	166	-	50.5	10

GR

梅花型联轴器弹性缓冲垫

GS elastic spiders for shaft coupling

本产品适用于各种传动机械连轴器，作用于传动轴的缓冲联接

Description: GS elastic spider is suitable for all hub machines. It's also the recommended elastomer insert for all applications in general engineering/hydraulics.

Advantages:

- Extremely resistant to wear,oil, ozone and ageing. Alsoresistant to hydrolysis (ideal for tropical climates)
- Protect the drive against dynamic overload
- Good physical properties
- Wide range of application
- Failure protection
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Torque: 22.4-2500N · M

Material

Material:PU

Hardness:Yellow:93 Shore A

Red: 98 Shore A

使用材料为：聚氨酯 PU

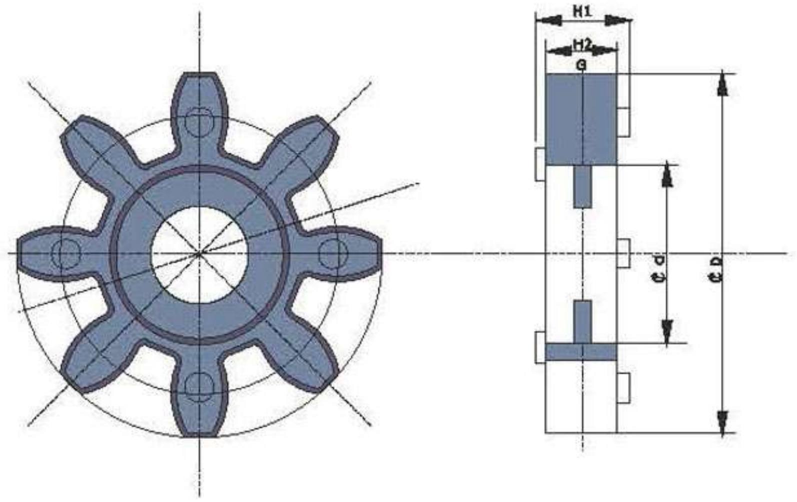
产品硬度：兰色的82shoreA，绿色的64shoreD

黄色的93shoreA，红色的98shoreA

物理性能好，结构紧凑，尺寸小，重量轻，有失效保护功能，容易安装，能有效纠正安装偏差，最大扭转角度可达到5°，适用范围广。

工作温度：-35~+100℃。

扭矩：22.4-2500N · M



规格及沟槽尺寸 specification & groove size GS

Serial No:	Ød	ØD	H1	H2	瓣数 quantity of patal
GS-7	--	14	6	8	4
GS-9	7.2	20	8	10	4
GS-14	10.5	30	10	12	4
GS-19	18	40	12	15	6
GS-24	27	55	14	17	8
GS-28	30	65	15	19	8
GS-38	38	80	18	22	8
GS-42	46	95	20	24	8
GS-48	51	105	21	25	8
GS-55	60	120	22	28	8
GS-65	68	135	25.5	31.5	8
GS-75	80	160	30	36	10

梅花型联轴器弹性缓冲垫

MT elastic spiders for shaft coupling

本标准适用于大型设备和各种机械缓冲作用于传动轴的联接。（标准：GB5272-85）

This standard is suitableto large equipment and mechanical cushioning effect joint oftransmission shaft.(Standard: GB5272-85)

Advantages:

- Good physical properties
- Failure protection
- Wide range of application
- Easy installation

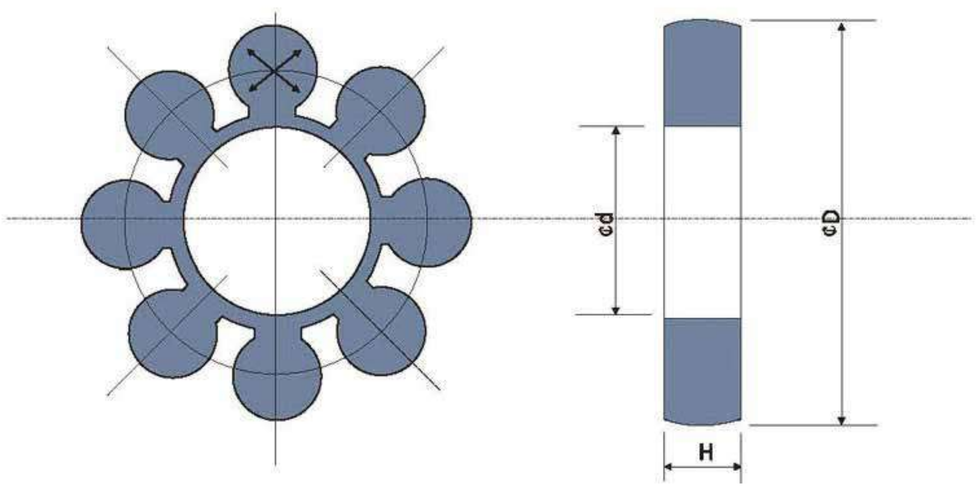
Technical Data

Operating conditions
Temperature:-35~+100℃
Torque: 22.4-2500Nm

Material

Material:PU
Hardness:90-95 Shore A
Color:Natural

使用材料为：聚氨酯PU
硬度约90--95 Shore A
颜色：本色、蓝色、绿色
工作温度：-35~ +100℃.
扭矩：22.4-2500N．m。
MT1-MT6是注塑，MT7-MT13是浇注



规格及沟槽尺寸　specification & groove size　MT

Serial No:	Ød	ØD	H	瓣数 quantity of patal
MT - 1	19	48	12	4
MT - 2	28	68	18	6
MT - 3	34	82	18	6
MT - 4	42	100	20	6
MT - 5	52	122	25	6
MT - 6	64	140	30	6
MT - 7	90	166	30	8
MT - 8	100	196	35	8
MT - 9	115	225	35	10
MT - 10	140	255	45	10
MT - 11	170	295	50	10
MT - 12	215	356	55	12
MT - 13	250	391	55	12

MT

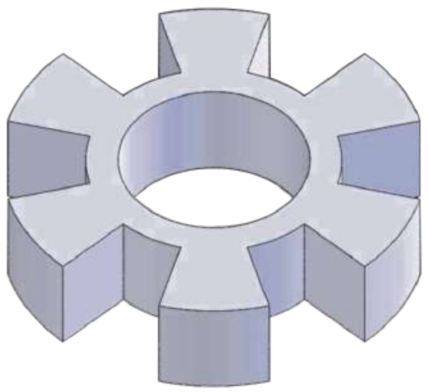
MT

水泵用爪型联轴器弹性缓冲垫

SBT elastic spiders for jaw coupling

本产品适用于水泵及各种传动机械连接起弹性缓冲作用。

This product is suitable to water pumpsand produces elastic buffer effect to joint oftransmission gearings.



Advantages:
- Good physical properties
- Easy installation

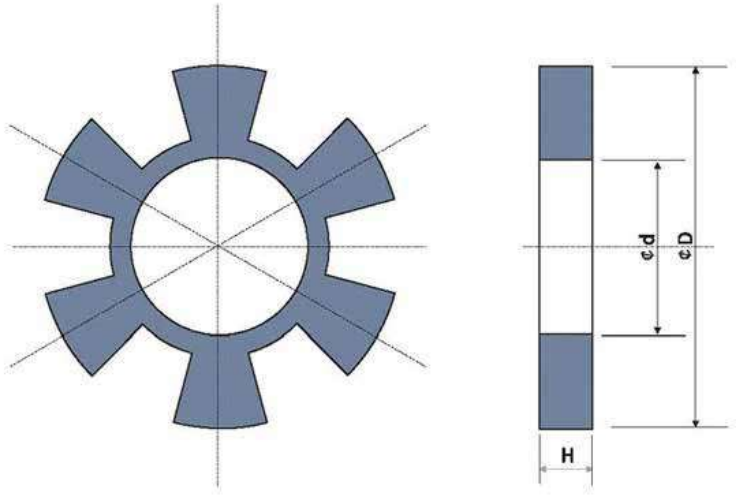
Technical Data

Operating conditions
Temperature:-35~+100℃
Torque: 22.4-2500Nm

Material

Material:PU
Hardness:90-95 Shore A
Color:Natural

本产品物理性能好，结构紧凑
使用材料为：聚氨酯PU
硬度约90--95 Shore A
用于水泵连轴器起缓冲作用
颜色：本色
工作温度：-35～+100℃
扭矩：22.4-2500N．m



规格及沟槽尺寸 specification & groove size

SBT

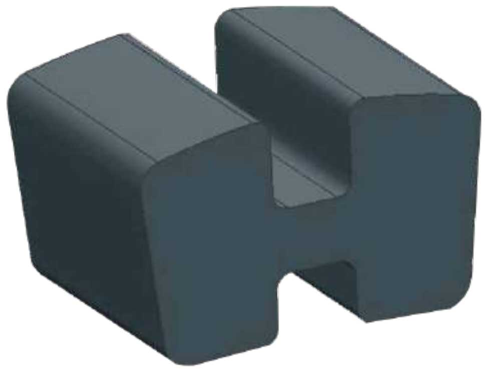
Serial No:	ØD	Ød	H
SBT - 40	40	18	10
SBT - 45	45	20	10
SBT - 56	56	27	15
SBT - 62	62	30	14
SBT - 65	65	30	15
SBT - 75	75	35	15
SBT - 79	79	40	15
SBT - 90	90	45	18
SBT - 94	94	45	18
SBT - 104	104	55	23
SBT - 108	108	55	24
SBT - 126	126	60	28
SBT - 133	133	60	25
SBT - 154	154	79	27
SBT - 170	170	80	28
SBT - 175	175	85	30
SBT - 180	180	90	30
SBT - 200	200	100	36

联轴器弹性缓冲垫

H htype elastic buffers used in shaft coupling

本产品适用于各种传动机械联轴器缓冲作用于传动轴的连接。

This products apply to mechanical shaft coupling , buffered act on the joint of thetransmission shaft.



Advantages:

- Good physical properties
- Easy installation

Technical Data

Operating conditions

Temperature:-35~+100℃

Torque: 22.4-2500Nm

Material

Material:NBR

Clor:Black

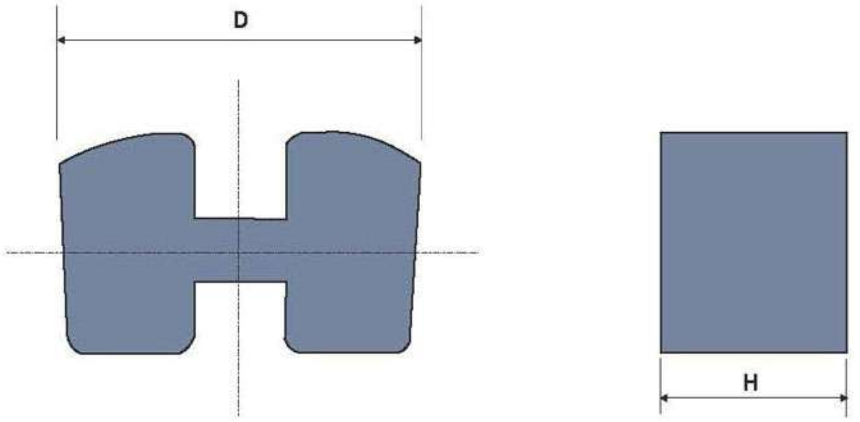
Hardness: 80shoreA

使用材料为：丁晴橡胶

工作温度：-35~＋100℃。

扭矩：22.4-2500N．m

产品硬度：黑色80shoreA



规格及沟槽尺寸 specification & groove size

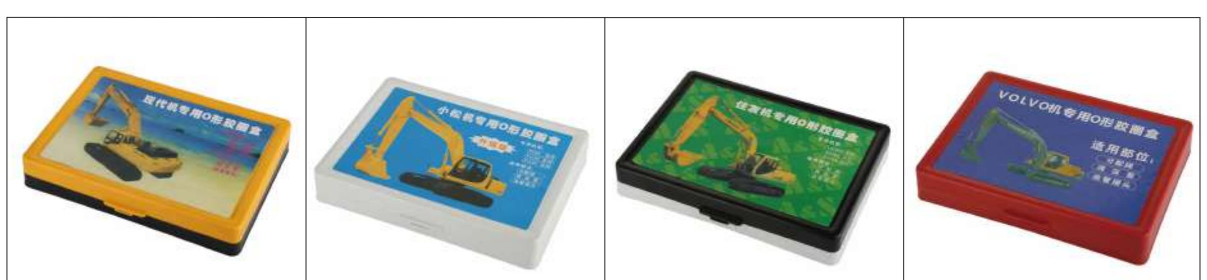
H

Serial No:	D	H
H-68	22	8.8
H-80	20.5	9.8
H-95	25	11.8
H-110	29	14.5
H-125	30	19
H-140	31	20
H-160	36	22
H-180	36	24.5
H-200	37.5	27
H-225	41	31
H-250	47	34.5
H-280	54	39
H-315	53	42
H-350	57	45
H-400	62	47.8
H-440	69	52
H-480	74	57
H-520	83	59.5
H-560	79.5	68

K
I
T
S

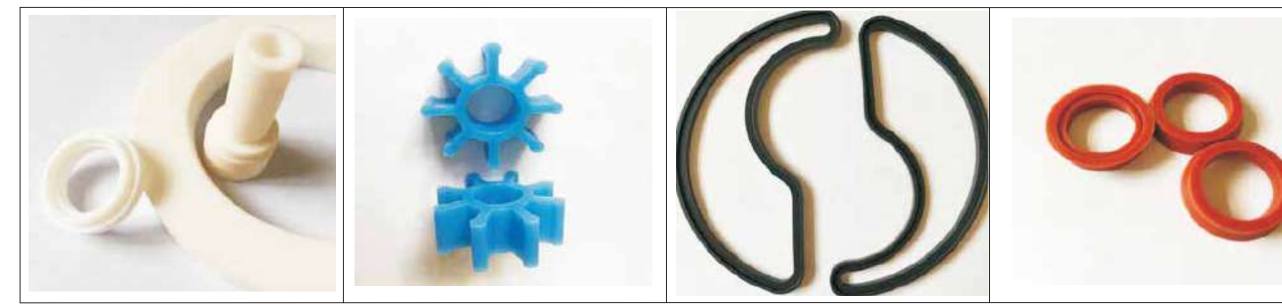
修理盒

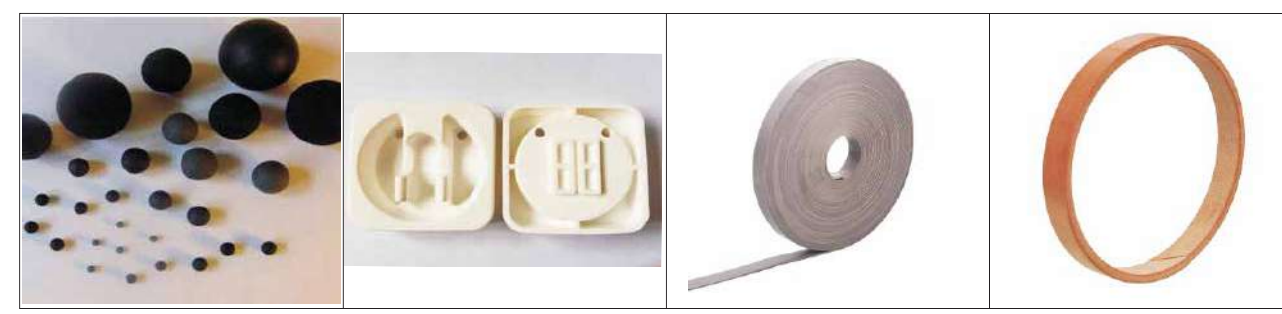
KITS



客户定制产品展示

Custom design products





C
D
P

材料之物性表

Physical Property of Material

PPOF

材料之物性表

材質名稱 / 物性等級 / 物性要求	丁腈橡膠 NBR(N)	氫化丁腈橡膠 HNBR(H)	羧基丁氰橡膠 XNBR(X)	三元乙丙橡膠 EPDM(E)	硅矽橡膠 VMQ(S)	氯丁橡膠 CR(C)	氟素橡膠 FKM(V)	四丙氟橡膠 AFLAS(L)	氟硅橡膠 FVMQ(F)	全氟橡膠 FFKM(K)	聚四氟乙烯 PTFE(T)	聚氨酯 PU(U)	氯醚橡膠 ECO(O)	天然橡膠 NR(R)	丁苯橡膠 SBR(B)	丁基橡膠 IIR(I)	丙烯酸酯 ACR(A)
抗臭氧性	△	◎	○	◎	◎	◎○	◎	◎	◎	◎	◎	◎	◎	×	×	○	◎
耐候性	○	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	○	○	×	△	◎	◎
耐熱性	120℃	150℃	150℃	150℃	220℃	120℃	200℃	175℃	175℃	320℃	280℃	90℃	135℃	90℃	110℃	120℃	150℃
耐化學藥品性	◎	○	○	◎	◎○	○△	◎	◎	◎	◎	◎	◎	○	×	△	○	×
耐油性	◎	◎	◎	×	○△	○△	◎	◎○	◎	◎	◎	◎	○	×	×	×	◎
密水性	○	○	○	◎	○	○	○	◎	△	◎	◎	◎	○	◎	○	◎	◎
耐寒性	-40℃	-40℃	-35℃	-50℃	-70℃	-40℃	-20℃	-30℃	-60℃	-20℃	-100℃	-40℃	-35℃	-60℃	-40℃	-50℃	-25℃
耐磨損性	○	◎○	◎○	○	×	○	◎○	◎○	×	◎	◎	◎	◎○	◎○	◎○	○	△
抗變形性	◎○	○	△	◎○	◎	△	○	○	◎	◎	×	×	○	◎○	◎○	○	△
耐酸性	△	○	○	◎○	△	◎	◎	◎	◎	◎	◎	×	○△	○△	○△	○	△×
耐碱性	○	◎	○	◎	△	◎○	◎○	◎	△	◎	◎	×	○	△	△	◎	×
張力強度	◎○	◎	◎	◎○	×	◎○	◎○	◎○	○	◎○	△×	◎	◎○	◎	◎	○	△
耐水蒸氣性	×	○△	○△	◎○	○△	△	○△	◎	○△	◎	○	×	○△	×	×	○△	×
抗燃性	×	×	△	×	△×	○	◎	○	△×	◎	◎	△	△×	×	×	△×	△×
儲存穩定性（Y=年）	5-10Y	5-10Y	5-10Y	5-10Y	ABT20Y	5-10Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	5-10Y	3-5Y	5-10Y	5-10Y	ABT20Y

圓標說明： ◎特佳 ○佳 △普通 ×差

常用材料參考色	紅色	橙色	黃色	綠色	藍色	灰色	紫色	棕色	牛奶色
標準色號（PANTONE）	187C	1665C	7404U	3298C	280C	431C	2665U	4975C	Warm gray 1C

Physical property of material

Material name / Physical property level / Physical requirements	Nitrile rubber NBR(N)	Hydrogenated nitrile rubber NBR(H)	Carboxyl nitrile rubber NBR(X)	EPDM image adhesive EPDM(E)	Silicone rubber VMQ(S)	neoprene CR(C)	Fluororubber FKM(V)	Tetrafluoroethylene rubber AFLAS(L)	Fluorosilicone rubber FVMQ(F)	Perfluorinated rubber FVMQ(K)	teflon PEFE(T)	polyurethane PU(U)	Chloroether rubber ECO(O)	Natural rubber NR(R)	Styrene butadiene rubber SBR(B)	Butyl Rubber IIR(I)	Acrylate ACR(A)
ozone resistance	△	◎	○	◎	◎	◎○	◎	◎	◎	◎	◎	◎	◎	×	×	○	◎
Weather resistance	○	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	○	○	×	△	◎	◎
heat resistance	120℃	150℃	150℃	150℃	220℃	120℃	200℃	175℃	175℃	320℃	280℃	90℃	135℃	90℃	110℃	120℃	150℃
Chemical resistance	◎	○	○	◎	◎○	○△	◎	◎	◎	◎	◎	◎	○	×	△	○	×
oil resistivity	◎	◎	◎	×	○△	○△	◎	◎○	◎	◎	◎	◎	○	×	×	×	◎
Water tightness	○	○	○	◎	○	○	○	◎	△	◎	◎	◎	○	◎	○	◎	◎
cold resistance	-40℃	-40℃	-35℃	-50℃	-70℃	-40℃	-20℃	-30℃	-60℃	-20℃	-100℃	-40℃	-35℃	-60℃	-40℃	-50℃	-25℃
Wear resistance	○	◎○	◎○	○	×	○	◎○	◎○	×	◎	◎	◎	◎○	◎○	◎○	○	△
deformation resistance	◎○	○	△	◎○	◎	△	○	○	◎	◎	×	×	○	◎○	◎○	○	△
Acid resistance	△	○	○	◎○	△	◎	◎	◎	◎	◎	◎	×	○△	○△	○△	○	△×
Alkali	○	◎	○	◎	△	◎○	◎○	◎	△	◎	◎	×	○	△	△	◎	×
Tensile strength	◎○	◎	◎	◎○	×	◎○	◎○	◎○	○	◎○	△×	◎	◎○	◎	◎	○	△
Water vapor resistance	×	○△	○△	◎○	○△	△	○△	◎	○△	◎	○	×	○△	×	×	○△	×
flame resistance	×	×	△	×	△×	○	◎	○	△×	◎	◎	△	△×	×	×	△×	△×
storage stability	5-10Y	5-10Y	5-10Y	5-10Y	ABT20Y	5-10Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	5-10Y	3-5Y	5-10Y	5-10Y	ABT20Y

Circular Label Description ◎ best ○ good △ ordinary × bad

Common Material Reference Colors	red	orange	yellow	green	blue	grey	purple	brown	Milky color
Standard color number	187C	1665C	7404U	3298C	280C	431C	2665U	4975C	Warm gray 1C

PPOF