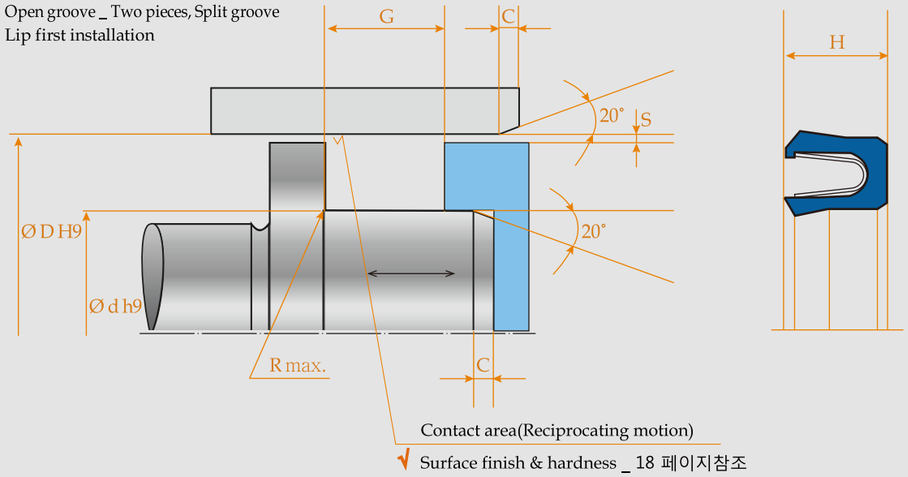
PISTON Seals 외경용씰_ OUTSIDE DYNAMIC SEALING

개방형 & 분리조립형 그루브
Open groove _ Two pieces, Split groove
Lip first installation



√ 밀폐형그루브, 계단형그루브에 대해서는 16~17 페이지 참조

■ PISTON Seals 타입

TYPE	PCB	PCS	PSB	PSS	PHR	PHS
PROFILE						

√ Extended Heel Type은 Standard Type에 "E"를 붙인다.(Ex.PCBE)

■ Table 3. PISTON Seals 설계치수_ Installation Design Dimensions in mm

*CS No.	Bore Diameter , ØD, H 9		Ød, h9	G +0.2	R max.	C min.	Radial Gap, Smax.			
	Standard	Non-Standard 1]					<20 bar	<100 bar	<200 bar	<400 bar
01	6.0 - 13.9	6.0 - 40.0	D - 2.9	2.4	0.4	1.0	0.20	0.10	0.08	0.05
02	14.0 - 24.9	10.0 - 200.0	D - 4.5	3.6	0.4	1.5	0.25	0.15	0.10	0.07
03	25.0 - 45.9	16.0 - 400.0	D - 6.2	4.8	0.6	2.4	0.35	0.20	0.15	0.08
04	46.0 - 124.9	28.0 - 700.0	D - 9.4	7.1	0.8	3.0	0.50	0.25	0.20	0.10
05	125.0 - 630.0	45.0 - 1600.0	D - 12.2	9.5	0.8	4.0	0.60	0.30	0.25	0.12

* CS No. : Cross Section Code No. 1) Availiable on Request
2) 압력이 400 bar 이상인 경우, Smax. = H8/f8
3) 80℃ 이상 고온인 경우 틈새치수(Radial gap, S) 별도 검토필요
4) 고온, 고압인 경우 가능한 Cross section 이 크고, 밀림저항성(Extrusion resistance)이 큰 소재를 사용하는 것이 좋다
→ 고온, 고압하에서의 Enerseals 설계 : 20페이지 참조

Table 4. PISTON Seals 외경용씰_ Standard Installation Dimensions in mm

Bore Diameter Ø D, H9	Groove Diameter Ø d, h9	Groove Width G +0.2	Part No.
6.0	3.1	2.4	P_01 00060
8.0	5.1	2.4	P_01 00080
10.0	7.1	2.4	P_01 00100
12.0	9.1	2.4	P_01 00120
14.0	9.5	3.6	P_02 00140
15.0	10.5	3.6	P_02 00150
16.0	11.5	3.6	P_02 00160
18.0	13.5	3.6	P_02 00180
20.0	15.5	3.6	P_02 00200
22.0	17.5	3.6	P_02 00220
25.0	18.8	4.8	P_03 00250
28.0	21.8	4.8	P_03 00280
30.0	23.8	4.8	P_03 00300
32.0	25.8	4.8	P_03 00320
35.0	28.8	4.8	P_03 00350
40.0	33.8	4.8	P_03 00400
42.0	35.8	4.8	P_03 00420
45.0	38.8	4.8	P_03 00450
48.0	38.6	7.1	P_04 00480
50.0	40.6	7.1	P_04 00500
52.0	42.6	7.1	P_04 00520
55.0	45.6	7.1	P_04 00550
56.0	46.6	7.1	P_04 00560
60.0	50.6	7.1	P_04 00600
63.0	53.6	7.1	P_04 00630
65.0	55.6	7.1	P_04 00650
70.0	60.6	7.1	P_04 00700
75.0	65.6	7.1	P_04 00750
80.0	70.6	7.1	P_04 00800
85.0	75.6	7.1	P_04 00850
90.0	80.6	7.1	P_04 00900
95.0	85.6	7.1	P_04 00950
100.0	90.6	7.1	P_04 01000
110.0	100.6	7.1	P_04 01100
115.0	105.6	7.1	P_04 01150
120.0	110.6	7.1	P_04 01200
125.0	112.8	9.5	P_05 01250
130.0	117.8	9.5	P_05 01300
135.0	122.8	9.5	P_05 01350
140.0	127.8	9.5	P_05 01400
150.0	137.8	9.5	P_05 01500
160.0	147.8	9.5	P_05 01600
170.0	157.8	9.5	P_05 01700
180.0	167.8	9.5	P_05 01800
190.0	177.8	9.5	P_05 01900
200.0	187.8	9.5	P_05 02000
210.0	197.8	9.5	P_05 02100

Bore Diameter Ø D, H9	Groove Diameter Ø d, h9	Groove Width G +0.2	Part No.
220.0	207.8	9.5	P_05 02200
230.0	217.8	9.5	P_05 02300
240.0	227.8	9.5	P_05 02400
250.0	237.8	9.5	P_05 02500
260.0	247.8	9.5	P_05 02600
270.0	257.8	9.5	P_05 02700
280.0	267.8	9.5	P_05 02800
300.0	287.8	9.5	P_05 03000
320.0	307.8	9.5	P_05 03200
350.0	337.8	9.5	P_05 03500
400.0	387.8	9.5	P_05 04000
420.0	407.8	9.5	P_05 04200
450.0	437.8	9.5	P_05 04500
480.0	467.8	9.5	P_05 04800
500.0	487.8	9.5	P_05 05000
530.0	517.8	9.5	P_05 05300
550.0	537.8	9.5	P_05 05500
590.0	577.8	9.5	P_05 05900
600.0	587.8	9.5	P_05 06000
630.0	617.8	9.5	P_05 06300
650.0	637.8	9.5	P_05 06500

Ordering Part No. Example : PCS04 | 00850 | P09 | CS | [ ]

- Type & Cross section code
- Bore diameter, Φ 85 x 10
- Jacket material code (page 05.)
- Spring type & material code (page 05.)
- Options