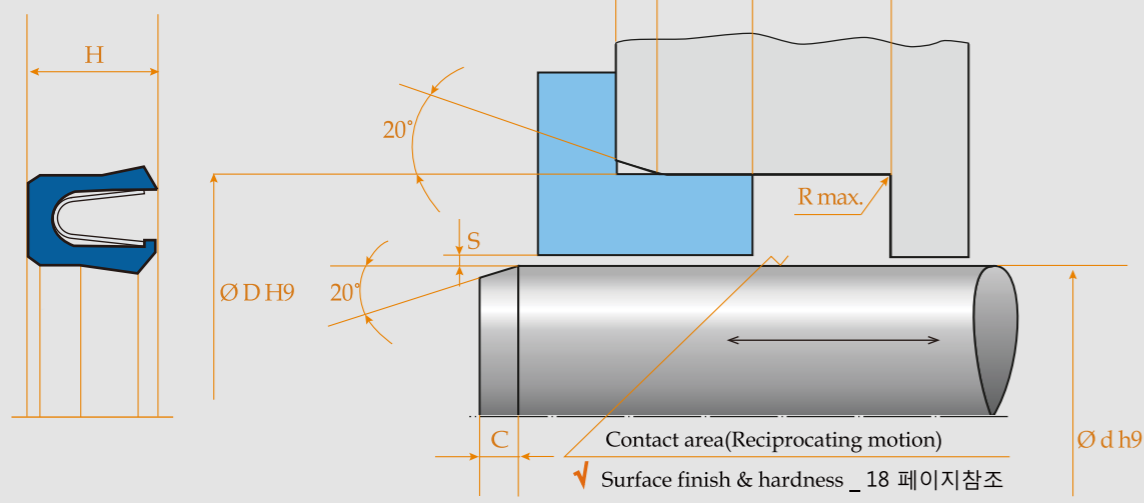


ROD Seals 내경용씰 INSIDE DYNAMIC SEALING

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



✓ 밀폐형그루브, 계단형그루브에 대해서는 16~17 페이지 참조

ROD Seals 타입

TYPE	RCB	RCS	RSB	RSS	RHR	RHS
PROFILE						

✓ Extended heel type은 standard type에 "E"를 붙인다 (Ex : RCBE)

Table 1. ROD Seals 설계치수_ Installation Design Dimensions in mm

*CS No.	Rod Diameter, $\Phi d, h9$		$\Phi D, H9$	G + 0.2	R max.	C min.	Radial Gap, Smax.			
	Standard	Non-Standard ¹⁾					<20 bar	<100 bar	<200 bar	<400 bar
01	3.0 - 9.9	3.0 - 40.0	d + 2.9	2.4	0.4	1.0	0.20	0.10	0.08	0.05
02	10.0 - 19.9	6.0 - 200.0	d + 4.5	3.6	0.4	1.5	0.25	0.15	0.10	0.07
03	20.0 - 39.9	10.0 - 400.0	d + 6.2	4.8	0.6	2.4	0.35	0.20	0.15	0.08
04	40.0 - 119.9	20.0 - 700.0	d + 9.4	7.1	0.8	3.0	0.50	0.25	0.20	0.10
05	120.0 - 630.0	35.0 - 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) Available on Request

2) 압력이 400 bar 이상인 경우, Smax. = H8/f8

3) 80°C 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 2. ROD Seals 규격 내경용씰 Standard Installation Dimensions in mm

Rod Diameter	Groove Diameter	Groove Width	Part No.
$\Phi d, h9$	$\Phi D, H9$	G + 0.2	
3.0	5.9	2.4	R_01 00030
4.0	6.9	2.4	R_01 00040
5.0	7.9	2.4	R_01 00050
6.0	8.9	2.4	R_01 00060
8.0	10.9	2.4	R_01 00080
10.0	14.5	3.6	R_02 00100
12.0	16.5	3.6	R_02 00120
14.0	18.5	3.6	R_02 00140
15.0	19.5	3.6	R_02 00150
16.0	20.5	3.6	R_02 00160
18.0	22.5	3.6	R_02 00180
20.0	26.2	4.8	R_03 00200
22.0	28.2	4.8	R_03 00220
25.0	31.2	4.8	R_03 00250
28.0	34.2	4.8	R_03 00280
30.0	36.2	4.8	R_03 00300
32.0	38.2	4.8	R_03 00320
35.0	41.2	4.8	R_03 00350
36.0	42.2	4.8	R_03 00360
40.0	49.4	7.1	R_04 00400
42.0	51.4	7.1	R_04 00420
45.0	54.4	7.1	R_04 00450
48.0	57.4	7.1	R_04 00480
50.0	59.4	7.1	R_04 00500
52.0	61.4	7.1	R_04 00520
55.0	64.4	7.1	R_04 00550
56.0	65.4	7.1	R_04 00560
60.0	69.4	7.1	R_04 00600
63.0	72.4	7.1	R_04 00630
65.0	74.4	7.1	R_04 00650
70.0	79.4	7.1	R_04 00700
75.0	84.4	7.1	R_04 00750
80.0	89.4	7.1	R_04 00800
85.0	94.4	7.1	R_04 00850
90.0	99.4	7.1	R_04 00900
95.0	104.4	7.1	R_04 00950
100.0	109.4	7.1	R_04 01000
105.0	114.4	7.1	R_04 01050
110.0	119.4	7.1	R_04 01100
115.0	124.4	7.1	R_04 01150
120.0	132.2	9.5	R_05 01200
125.0	137.2	9.5	R_05 01250
130.0	142.2	9.5	R_05 01300
135.0	147.2	9.5	R_05 01350
140.0	152.2	9.5	R_05 01400
150.0	162.2	9.5	R_05 01500
160.0	172.2	9.5	R_05 01600

Rod Diameter	Groove Diameter	Groove Width	Part No.
$\Phi d, h9$	$\Phi D, H9$	G + 0.2	
170.0	182.2	9.5	R_05 01700
180.0	192.2	9.5	R_05 01800
190.0	202.2	9.5	R_05 01900
200.0	212.2	9.5	R_05 02000
210.0	222.2	9.5	R_05 02000
220.0	232.2	9.5	R_05 02200
230.0	242.2	9.5	R_05 02300
240.0	252.2	9.5	R_05 02400
250.0	262.2	9.5	R_05 02500
280.0	292.2	9.5	R_05 02800
300.0	312.2	9.5	R_05 03000
320.0	332.2	9.5	R_05 03200
350.0	362.2	9.5	R_05 03500
360.0	372.2	9.5	R_05 03600
400.0	412.2	9.5	R_05 04000
410.0	422.2	9.5	R_05 04100
450.0	462.2	9.5	R_05 04500
460.0	472.2	9.5	R_05 04600
480.0	492.2	9.5	R_05 04800
490.0	502.2	9.5	R_05 04900
500.0	512.2	9.5	R_05 05000
530.0	542.2	9.5	R_05 05300
550.0	562.2	9.5	R_05 05500
580.0	592.2	9.5	R_05 05800
600.0	612.2	9.5	R_05 06000
620.0	632.2	9.5	R_05 06200
630.0	642.2	9.5	R_05 06300
650.0	662.2	9.5	R_05 06500

Ordering Part No. Example : **RCS05** **01500** **P05** **CS** **[]**

- Type & Cross section code
- Rod diameter, $\Phi 150 \times 10$
- Jacket material code (page 05.)
- Spring type & material code (page 05.)
- Options

