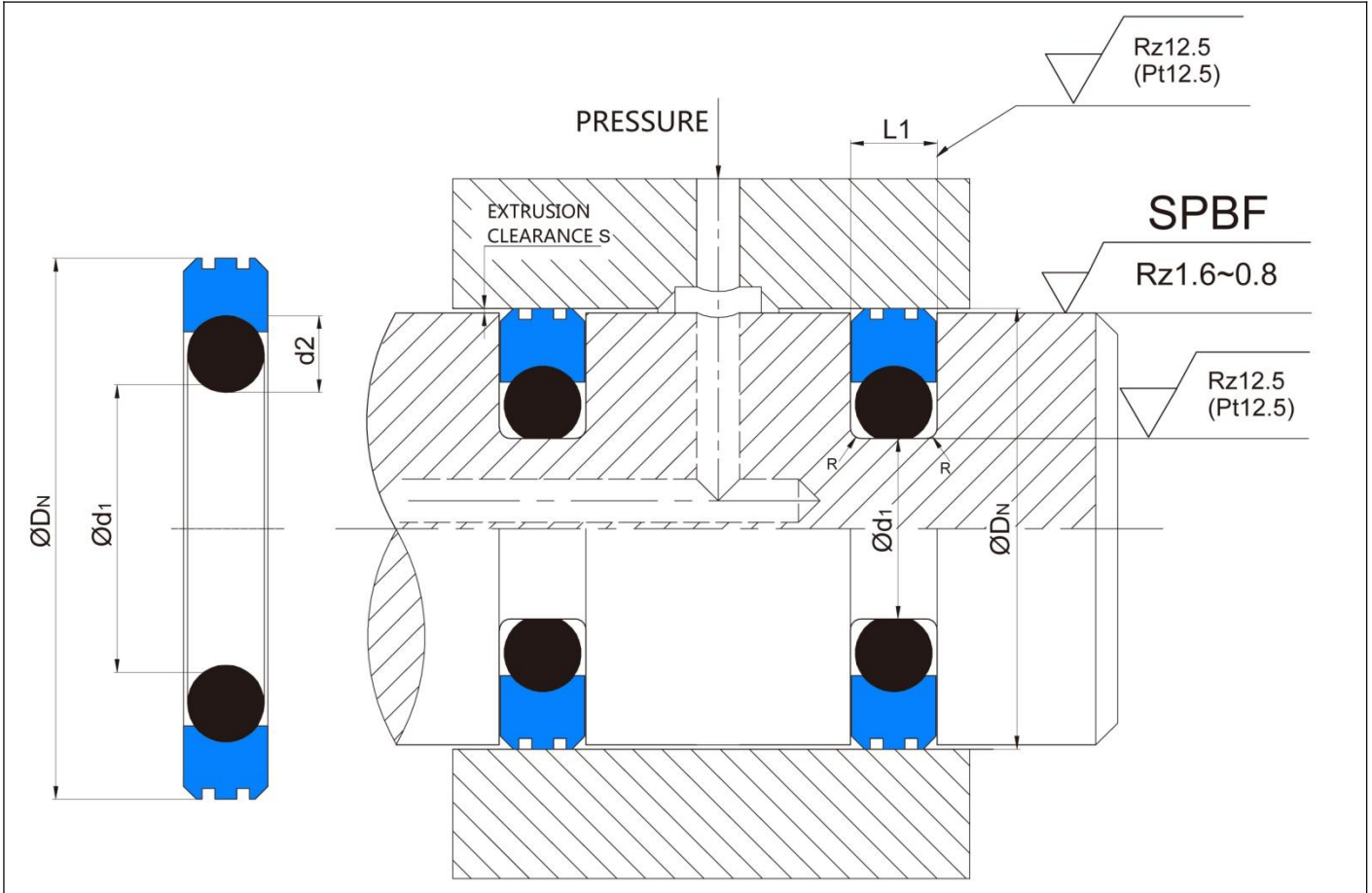


1. Installation Recommendation



2. Installation Sizes

Bore Diameter D _N H9		Groove Diameter	Groove Width	Radial Clearance S max.		Radius	O-Ring Cross-Section
Standard Range	Available range	d ₁ h9	L ₁ +0.2	32MPa	50MPa	R ₁	d ₂
8-39.9	8-135.0	D _N -4.9	2.2	0.15	0.10	0.40	1.78
40-79.9	14-250.0	D _N -7.5	3.2	0.20	0.15	0.60	2.62
80-132.9	22-460.0	D _N -11.0	4.2	0.25	0.20	1.00	3.53
133-329.9	40-675.0	D _N -15.5	6.3	0.30	0.25	1.30	5.33
330-669.9	133-690.0	D _N -21.0	8.1	0.30	0.25	1.80	7.00
670-999.9	670-999.9	D _N -28.0	9.5	0.45	0.30	2.50	8.40

3. Application and properties

Suitable for sealing with rotating or swinging rods, shafts, pins, rotary joints, etc. It is a rotary sealing ring that can withstand both sides pressure or alternating pressure role of the double acting effect, used in construction machinery, building machinery and automotive equipment. It can be applied on occasions where piston rod and piston seal are required, low friction, non viscous phenomenon, simple groove, good abrasion resistance and dimensional stability.

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4. Standard materials

Sealing ring: filled PTFE

O-Ring: NBR / FKM

5. Working Conditions

Working Conditions				
Diameter Range	Pressure Range	Temperature Range	Speed	Medium
3 - 1600mm	0 - 30MPa	-30°C +200°C	1 m/s	hydraulic oil, flame retardant liquid, water and others

6. Installation Dimensions

Bore Dia.	Groove Dia.	Groove Width	Order No.
D H9	d ₁ h9	L ₁ +0.2	
8	3.1	2.2	GNS8*3.1*2.2
10	5.1	2.2	GNS10*5.1*2.2
12	7.1	2.2	GNS12*7.1*2.2
14	9.1	2.2	GNS14*9.1*2.2
15	10.1	2.2	GNS15*10.1*2.2
16	11.1	2.2	GNS16*11.1*2.2
17	12.1	2.2	GNS17*12.1*2.2
18	13.1	2.2	GNS18*13.1*2.2
20	15.1	2.2	GNS20*15.1*2.2
22	17.1	2.2	GNS22*17.1*2.2
25	20.1	2.2	GNS25*20.1*2.2
28	23.1	2.2	GNS28*23.1*2.2
30	25.1	2.2	GNS30*25.1*2.2
32	27.1	2.2	GNS32*27.1*2.2
35	30.1	2.2	GNS35*30.1*2.2
36	31.1	2.2	GNS36*31.1*2.2
38	33.1	2.2	GNS38*33.1*2.2
40	32.5	3.2	GNS40*32.5*3.2
42	34.5	3.2	GNS42*34.5*3.2
45	37.5	3.2	GNS45*37.5*3.2
48	40.5	3.2	GNS48*40.5*3.2
50	42.5	3.2	GNS50*42.5*3.2
52	44.5	3.2	GNS52*44.5*3.2
53	45.5	3.2	GNS53*45.5*3.2
55	47.5	3.2	GNS55*47.5*3.2
60	52.5	3.2	GNS60*52.5*3.2
63	55.5	3.2	GNS63*55.5*3.2

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Bore Dia.	Groove Dia.	Groove Width	Order No.
D H9	d ₁ h9	L ₁ +0.2	
65	57.5	3.2	GNS65*57.5*3.2
70	62.5	3.2	GNS70*62.5*3.2
75	67.5	3.2	GNS75*67.5*3.2
80	69	4.2	GNS80*69*4.2
85	74	4.2	GNS85*74*4.2
90	79	4.2	GNS90*79*4.2
95	84	4.2	GNS95*84*4.2
100	89	4.2	GNS100*89*4.2
102	91	4.2	GNS102*91*4.2
105	94	4.2	GNS105*94*4.2
110	99	4.2	GNS110*99*4.2
115	104	4.2	GNS115*104*4.2
120	109	4.2	GNS120*109*4.2
125	114	4.2	GNS125*114*4.2
130	119	4.2	GNS130*119*4.2
135	119.5	6.3	GNS135*119.5*6.3
140	124.5	6.3	GNS140*124.5*6.3
150	134.5	6.3	GNS150*134.5*6.3
160	144.5	6.3	GNS160*144.5*6.3
170	154.5	6.3	GNS170*154.5*6.3
175	159.5	6.3	GNS175*159.5*6.3
180	164.5	6.3	GNS180*164.5*6.3
190	174.5	6.3	GNS190*174.5*6.3
200	184.5	6.3	GNS200*184.5*6.3
210	194.5	6.3	GNS210*194.5*6.3
220	204.5	6.3	GNS220*204.5*6.3
230	214.5	6.3	GNS230*214.5*6.3
240	224.5	6.3	GNS240*224.5*6.3
250	234.5	6.3	GNS250*234.5*6.3
280	264.5	6.3	GNS280*264.5*6.3
300	284.5	6.3	GNS300*284.5*6.3
310	294.5	6.3	GNS310*294.5*6.3
320	304.5	6.3	GNS320*304.5*6.3
350	329	8.1	GNS350*329*8.1
360	339	8.1	GNS360*339*8.1
400	379	8.1	GNS400*379*8.1
420	399	8.1	GNS420*399*8.1
450	429	8.1	GNS450*429*8.1
480	459	8.1	GNS480*459*8.1

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Bore Dia.	Groove Dia.	Groove Width	Order No.
D H9	d ₁ h9	L ₁ +0.2	
500	479	8.1	GNS500*479*8.1
510	489	8.1	GNS510*489*8.1
520	499	8.1	GNS520*499*8.1
550	529	8.1	GNS550*529*8.1
600	579	8.1	GNS600*579*8.1
650	629	8.1	GNS650*629*8.1