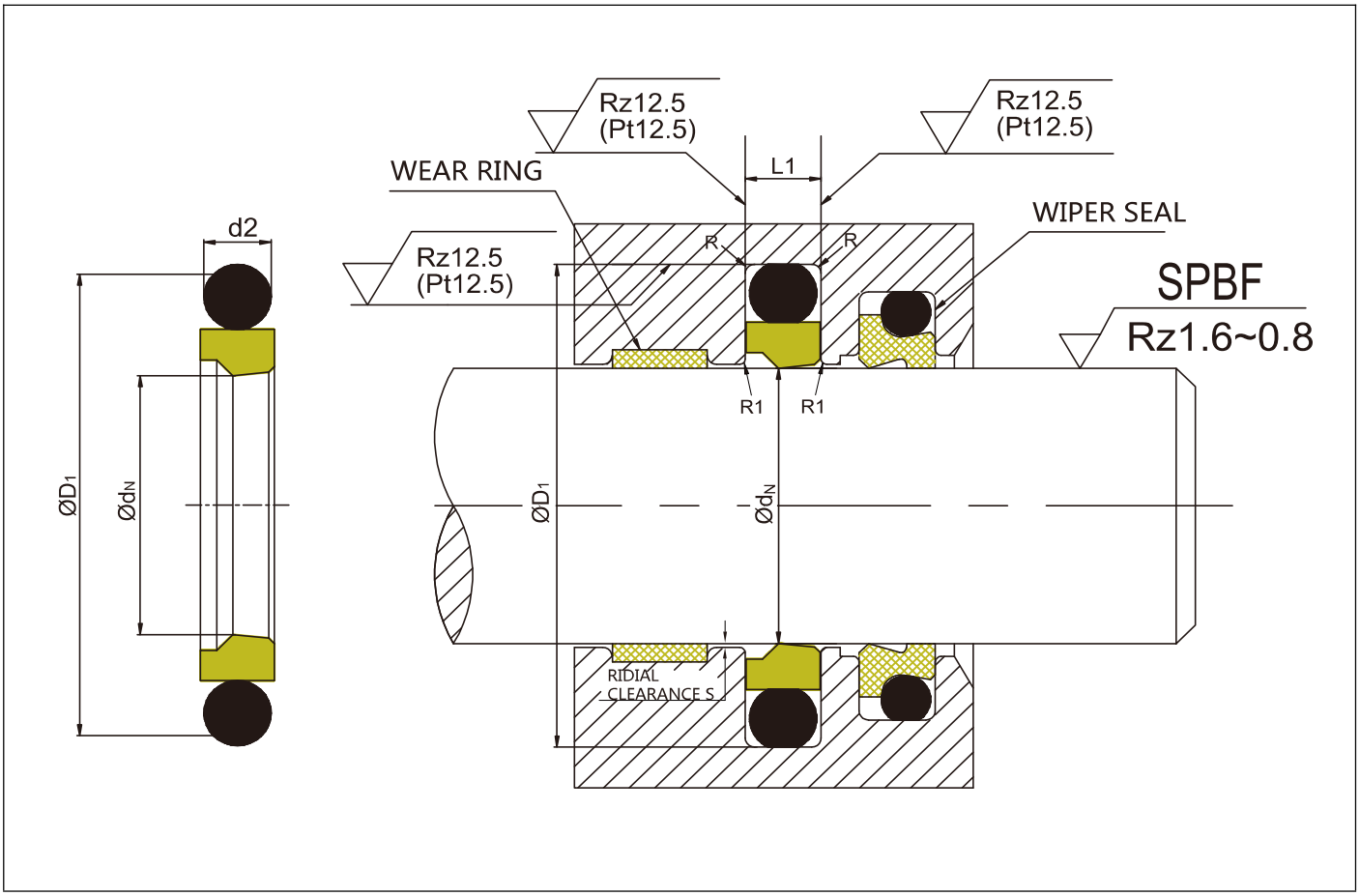
1. Installation Recommendation



2. Installation Sizes

Rod Diameter d_N h9			Groove Diameter	Groove Width	Radius	Radial Clearance S max.			O-Ring Cross-Section
Standard Application	Light Application	Heavy Duty Application	D_1 H9	L_1+0.2	R_1	10MPa	20MPa	40MPa	d_2
3-7.9	8-18.9	-	d_N+4.9	2.2	0.4	0.3	0.20	0.15	1.78
8-18.9	19-37.9	-	d_N+7.3	3.2	0.6	0.4	0.25	0.15	2.62
19-37.9	38-199.9	8-18.9	d_N+10.7	4.2	1.0	0.4	0.25	0.20	3.53
38-199.9	200-255.9	19-37.9	d_N+15.1	6.3	1.3	0.5	0.30	0.20	5.33
200-255.9	256-649.9	38-199.9	d_N+20.5	8.1	1.8	0.6	0.35	0.25	7.00
256-649.9	650-999.9	200-255.9	d_N+24.0	8.1	1.8	0.6	0.35	0.25	7.00
650-999.9	≥1000.0	256-649.9	d_N+27.3	9.5	2.5	0.7	0.50	0.30	8.40
≥1000.0	-	650-999.9	d_N+38.0	13.8	3.0	1.0	0.70	0.60	12.00

3. Application and properties

Applicable to high and low speed reciprocating motion and high pressure system cylinder rod sealing. Good dimensional stability, not affected by temperature, low friction, strong corrosion resistance, could work in the situation with or without lubrication, easy installation.

Meet the standards of GB/T 15242.1-94 and GB/T 15242.3-94.

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 - 60MPa	-45℃ +200℃	15 m/s	hydraulic oil, flame retardant liquid, water, gas

6. Installation Dimensions

Rod Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimensions
d_N h9	D_1 H9	L_1+0.2		
4	8.9	2.2	GSJ4*8.9*2.2	5.28*1.78
5	9.9	2.2	GSJ5*9.9*2.2	6.75*1.78
6	10.9	2.2	GSJ6*10.9*2.2	7.65*1.78
8	12.9	2.2	GSJ8*12.9*2.2	9.25*1.78
8	15.3	3.2	GSJ8*15.3*3.2	10.77*2.62
10	14.9	2.2	GSJ10*14.9*2.2	11.8*1.78
10	17.3	3.2	GSJ10*17.3*3.2	12.37*2.62
12	16.9	2.2	GSJ12*16.9*2.2	13.3*1.78
12	19.3	3.2	GSJ12*19.3*3.2	13.94*2.62
14	18.9	2.2	GSJ14*18.9*2.2	15.6*1.78
14	21.3	3.2	GSJ14*21.3*3.2	15.54*2.62
15	19.9	2.2	GSJ15*19.9*2.2	16.67*1.78
15	22.3	3.2	GSJ15*22.3*3.2	17.12*2.62
16	20.9	2.2	GSJ16*20.9*2.2	17.17*1.78
16	23.3	3.2	GSJ16*23.3*3.2	18.72*2.62
18	22.9	2.2	GSJ18*22.9*2.2	18.77*1.78
18	25.3	3.2	GSJ18*25.3*3.2	20.29*2.62
19	29.7	4.2	GSJ19*29.7*4.2	23.39*3.53
20	27.3	3.2	GSJ20*27.3*3.2	21.89*2.62
20	30.7	4.2	GSJ20*30.7*4.2	23.39*3.53
22	29.3	3.2	GSJ22*29.3*3.2	23.47*2.62

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Rod Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimensions
d_N h9	D_1 H9	L_1+0.2		
22	32.7	4.2	GSJ22*32.7*4.2	26.57*3.53
25	32.3	3.2	GSJ25*32.3*3.2	26.64*2.62
25	35.7	4.2	GSJ25*35.7*4.2	29.74*3.53
28	38.7	4.2	GSJ28*38.7*4.2	31.34*3.53
30	40.7	4.2	GSJ30*40.7*4.2	34.52*3.53
32	42.7	4.2	GSJ32*42.7*4.2	36.09*3.53
35	45.7	4.2	GSJ35*45.7*4.2	37.69*3.53
36	46.7	4.2	GSJ36*46.7*4.2	40.87*3.53
38	53.1	6.3	GSJ38*53.1*6.3	43.82*5.33
40	50.7	4.2	GSJ40*50.7*4.2	44.04*3.53
40	55.1	6.3	GSJ40*55.1*6.3	43.82*5.33
42	57.1	6.3	GSJ42*57.1*6.3	46.99*5.33
45	55.7	4.2	GSJ45*55.7*4.2	47.22*3.53
45	60.1	6.3	GSJ45*60.1*6.3	50.17*5.33
50	60.7	4.2	GSJ50*60.7*4.2	53.57*3.53
50	65.1	6.3	GSJ50*65.1*6.3	56.52*5.33
55	70.1	6.3	GSJ55*70.1*6.3	59.69*5.33
56	66.7	4.2	GSJ56*66.7*4.2	59.92*3.53
56	71.1	6.3	GSJ56*71.1*6.3	59.69*5.33
56	76.5	8.1	GSJ56*76.5*8.1	62.87*6.99
60	75.1	6.3	GSJ60*75.1*6.3	66.04*5.33
63	73.7	4.2	GSJ63*73.7*4.2	66.27*3.53
63	78.1	6.3	GSJ63*78.1*6.3	69.22*5.33
65	75.7	4.2	GSJ65*75.7*4.2	69.44*3.53
65	80.1	6.3	GSJ65*80.1*6.3	69.22*5.33
70	80.7	4.2	GSJ70*80.7*4.2	72.62*3.53
70	85.1	6.3	GSJ70*85.1*6.3	75.57*5.33
70	90.5	8.1	GSJ70*90.5*8.1	78.74*6.99
75	85.7	4.2	GSJ75*85.7*4.2	78.97*3.53
75	90.1	6.3	GSJ75*90.1*6.3	78.74*5.33
80	90.7	4.2	GSJ80*90.7*4.2	82.14*3.53
80	95.1	6.3	GSJ80*95.1*6.3	85.09*5.33
80	100.5	8.1	GSJ80*100.5*8.1	88.27*6.99
85	95.7	4.2	GSJ85*95.7*4.2	88.49*3.53
85	100.1	6.3	GSJ85*100.1*6.3	91.44*5.33
85	105.5	8.1	GSJ85*105.5*8.1	91.44*6.99
90	100.7	4.2	GSJ90*100.7*4.2	94.84*3.53
90	105.1	6.3	GSJ90*105.1*6.3	95.5*5.33
90	110.5	8.1	GSJ90*110.5*8.1	97.79*6.99

Rod Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimensions
d_N h9	D_1 H9	L_1+0.2		
95	105.7	4.2	GSJ95*105.7*4.2	98.02*3.53
95	110.1	6.3	GSJ95*110.1*6.3	100.97*5.33
100	110.7	4.2	GSJ100*110.7*4.2	104.37*3.53
100	115.1	6.3	GSJ100*115.1*6.3	104.14*5.33
100	120.5	8.1	GSJ100*120.5*8.1	107.32*6.99
105	120.1	6.3	GSJ105*120.1*6.3	110.49*5.33
105	125.5	8.1	GSJ105*125.5*8.1	113.67*6.99
110	120.7	4.2	GSJ110*120.7*4.2	113.89*3.53
110	125.1	6.3	GSJ110*125.1*6.3	113.67*5.33
110	130.5	8.1	GSJ110*130.5*8.1	116.84*6.99
115	130.1	6.3	GSJ115*130.1*6.3	120.02*5.33
120	135.1	6.3	GSJ120*135.1*6.3	126.37*5.33
120	140.5	8.1	GSJ120*140.5*8.1	126.37*6.99
125	140.1	6.3	GSJ125*140.1*6.3	129.54*5.33
125	145.5	8.1	GSJ125*145.5*8.1	132.72*6.99
130	145.1	6.3	GSJ130*145.1*6.3	135.89*5.33
130	150.5	8.1	GSJ130*150.5*8.1	135.89*6.99
140	150.7	4.2	GSJ140*150.7*4.2	142.47*3.53
140	155.1	6.3	GSJ140*155.1*6.3	145.42*5.33
140	160.5	8.1	GSJ140*160.5*8.1	148.59*6.99
145	160.1	6.3	GSJ145*160.1*6.3	148.59*5.33
145	165.5	8.1	GSJ145*165.5*8.1	151.77*6.99
150	165.1	6.3	GSJ150*165.1*6.3	155*5.33
150	170.5	8.1	GSJ150*170.5*8.1	158.12*6.99
160	175.1	6.3	GSJ160*175.1*6.3	164.47*5.33
160	180.5	8.1	GSJ160*180.5*8.1	164.47*6.99
165	180.1	6.3	GSJ165*180.1*6.3	170.82*5.33
170	185.1	6.3	GSJ170*185.1*6.3	175*5.33
170	190.5	8.1	GSJ170*190.5*8.1	177.17*6.99
180	195.1	6.3	GSJ180*195.1*6.3	183.32*5.33
180	200.5	8.1	GSJ180*200.5*8.1	186.02*6.99
190	205.1	6.3	GSJ190*205.1*6.3	196.22*5.33
200	215.1	6.3	GSJ200*215.1*6.3	205*5.33
200	220.5	8.1	GSJ200*220.5*8.1	206*6.99
210	230.5	8.1	GSJ210*230.5*8.1	215.27*6.99
220	240.5	8.1	GSJ220*240.5*8.1	227.97*6.99
230	245.1	6.3	GSJ230*245.1*6.3	234.32*5.66
230	250.5	8.1	GSJ230*250.5*8.1	236*6.99
240	260.5	8.1	GSJ240*260.5*8.1	243*6.99

Rod Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimensions
d_N h9	D_1 H9	L_1+0.2		
250	270.5	8.1	GSJ250*270.5*8.1	253.37*6.99
256	280	8.1	GSJ256*280*8.1	266.07*6.99
260	284	8.1	GSJ260*284*8.1	266.07*6.99
270	294	8.1	GSJ270*294*8.1	278.77*6.99
280	304	8.1	GSJ280*304*8.1	291.47*6.99
290	314	8.1	GSJ290*314*8.1	300*6.99
300	324	8.1	GSJ300*324*8.1	307*6.99
320	344	8.1	GSJ320*344*8.1	329.57*6.99
330	354	8.1	GSJ330*354*8.1	355*6.99
340	364	8.1	GSJ340*364*8.1	345*6.99
350	374	8.1	GSJ350*374*8.1	354.97*6.99
360	384	8.1	GSJ360*384*8.1	367.67*6.99
370	394	8.1	GSJ370*394*8.1	380.37*6.99
380	404	8.1	GSJ380*404*8.1	387*6.99
390	414	8.1	GSJ390*414*8.1	400*6.99
400	424	8.1	GSJ400*424*8.1	405.26*6.99
410	434	8.1	GSJ410*434*8.1	417.96*6.99
420	444	8.1	GSJ420*444*8.1	430.66*6.99
430	454	8.1	GSJ430*454*8.1	437*6.99
440	464	8.1	GSJ440*464*8.1	450*6.99
450	474	8.1	GSJ450*474*8.1	456.06*6.99
460	484	8.1	GSJ460*484*8.1	468.76*6.99
480	504	8.1	GSJ480*504*8.1	487*6.99
490	514	8.1	GSJ490*514*8.1	500*6.99
500	524	8.1	GSJ500*524*8.1	506.87*6.99
520	544	8.1	GSJ520*544*8.1	532.26*6.99
540	564	8.1	GSJ540*564*8.1	552.66*6.99
550	574	8.1	GSJ550*574*8.1	560*6.99
580	604	8.1	GSJ580*604*8.1	582.68*6.99
600	624	8.1	GSJ600*624*8.1	608.08*6.99
620	644	8.1	GSJ620*644*8.1	633.48*6.99
630	654	8.1	GSJ630*654*8.1	640*6.99
640	664	8.1	GSJ640*664*8.1	658.88*6.99
650	677.3	9.5	GSJ650*677.3*9.5	660*8.4
660	687.3	9.5	GSJ660*687.3*9.5	670*8.4
680	707.3	9.5	GSJ680*707.3*9.5	690*8.4
685	712.3	9.5	GSJ685*712.3*9.5	695*8.4
700	727.3	9.5	GSJ700*727.3*9.5	710*8.4
710	737.3	9.5	GSJ710*737.3*9.5	720*8.4

Rod Dia.	Groove Dia.	Groove Width	Order No.	O-Ring Dimensions
d_N h9	D_1 H9	L_1+0.2		
730	757.3	9.5	GSJ730*757.3*9.5	740*8.4
750	777.3	9.5	GSJ750*777.3*9.5	760*8.4
760	787.3	9.5	GSJ760*787.3*9.5	770*8.4
780	807.3	9.5	GSJ780*807.3*9.5	790*8.4
790	817.3	9.5	GSJ790*817.3*9.5	800*8.4
800	827.3	9.5	GSJ800*827.3*9.5	810*8.4
810	837.3	9.5	GSJ810*837.3*9.5	823*8.4
820	847.3	9.5	GSJ820*847.3*9.5	830*8.4
830	857.3	9.5	GSJ830*857.3*9.5	843*8.4
850	877.3	9.5	GSJ850*877.3*9.5	860*8.4
870	897.3	9.5	GSJ870*897.3*9.5	883*8.4
880	907.3	9.5	GSJ880*907.3*9.5	890*8.4
890	917.3	9.5	GSJ890*917.3*9.5	903*8.4
900	927.3	9.5	GSJ900*927.3*9.5	910*8.4
930	957.3	9.5	GSJ930*957.3*9.5	943*8.4
950	977.3	9.5	GSJ950*977.3*9.5	960*8.4
1000	1027.3	9.5	GSJ1000*1027.3*9.5	1000*8.4
1000	1038	13.8	GSJ1000*1038*13.8	1016*12