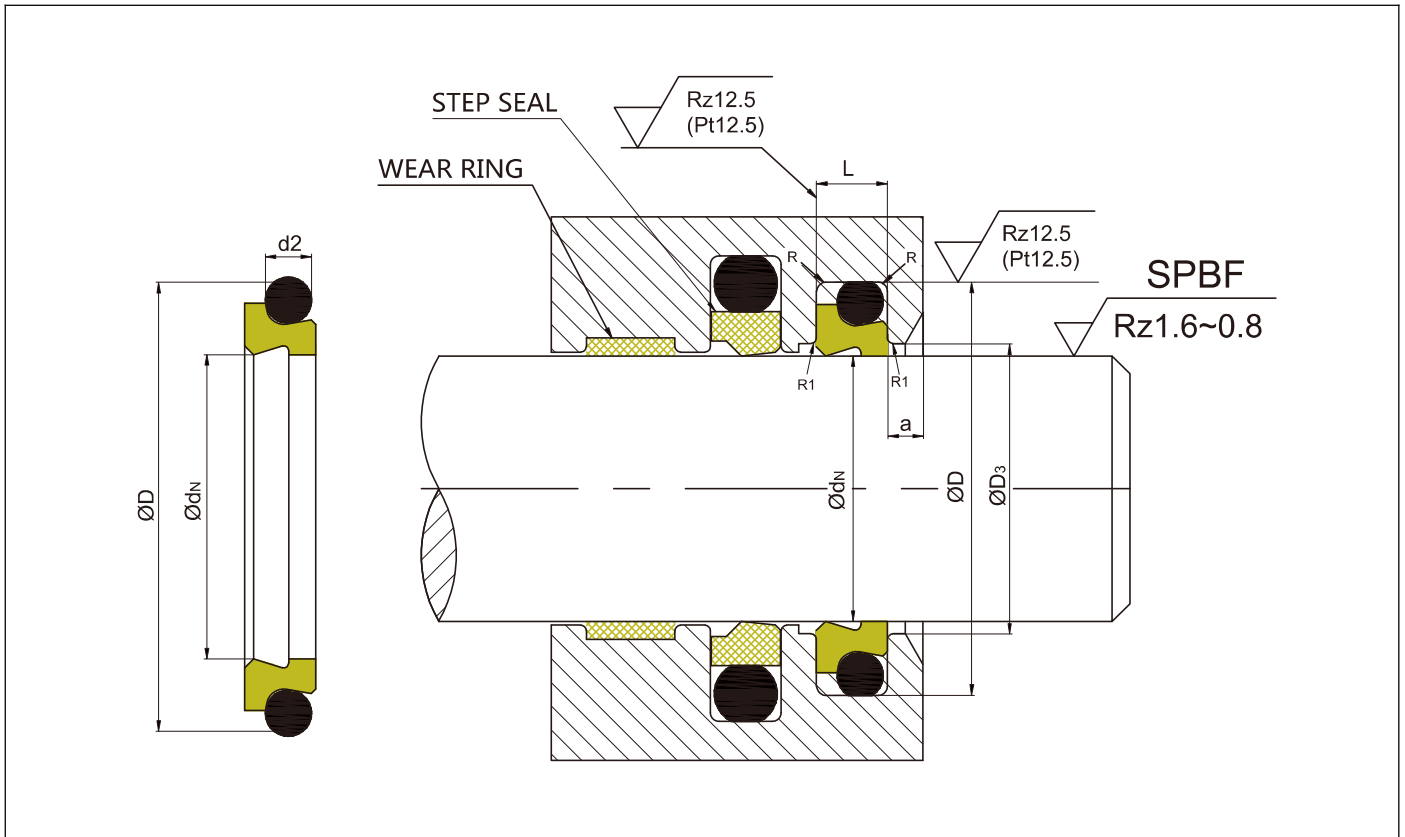




1. Installation Recommendation



2. Installation Sizes

Rod Diameter	Groove Diameter	Groove Width	Diameter	Step Width	O-Ring Cross-Section
$d_N \text{ f8/h9}$	$D \text{ H9}$	$L+0.2$	$D_3 \text{ H11}$	$a \text{ min}$	d_2
19.0-39.9	$d_N+7.6$	4.2	$d+1.5$	3.0	2.62
40.0-69.9	$d_N+8.8$	6.3	$d+1.5$	3.0	2.62
70.0-139.9	$d_N+12.2$	8.1	$d+2.0$	4.0	3.53
140.0-399.9	$d_N+16.0$	9.5	$d+2.5$	5.0	5.33
400.0-649.9	$d_N+24.0$	14.0	$d+2.5$	8.0	7.00
650.0-999.9	$d_N+27.3$	16.0	$d+2.5$	10.0	8.40
≥ 1000.0	$d_N+27.3$	16.0	$d+2.5$	10.0	8.40

3. Application and properties

Suitable for cold and dusty environments and high frequency reciprocating motion. Mainly used in hydraulic and pneumatic devices, servo systems, chemical and food equipment. Excellent sliding performance, no stick-slip behavior, no viscosity, compensate for the distortion of the piston rod and plunger, compatibility with hydraulic media is very good, the remaining oil film adhered to the surface of the piston rod can be effectively blocked from the inside.



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	-	-30°C +200°C	15 m/s	hydraulic oil, flame retardant liquid, water and others

6. Installation Dimensions

Rod Dia.	Groove Dia.	Groove Width	a	Order No.
d f8	D H9	L		
20	27.6	4.2	3	GSZ20*27.6*4.2
25	32.6	4.2	3	GSZ25*32.6*4.2
28	35.6	4.2	3	GSZ28*35.6*4.2
30	37.6	4.2	3	GSZ30*37.6*4.2
32	39.6	4.2	3	GSZ32*39.6*4.2
36	43.6	4.2	3	GSZ36*43.6*4.2
40	48.8	6.3	3	GSZ40*48.8*6.3
42	50.8	6.3	3	GSZ42*50.8*6.3
45	53.8	6.3	3	GSZ45*53.8*6.3
50	58.8	6.3	3	GSZ50*58.8*6.3
55	63.8	6.3	3	GSZ55*63.8*6.3
56	64.8	6.3	3	GSZ56*64.8*6.3
60	68.8	6.3	3	GSZ60*68.8*6.3
63	71.8	6.3	3	GSZ63*71.8*6.3
65	73.8	6.3	3	GSZ65*73.8*6.3
70	82.2	8.1	4	GSZ70*82.2*8.1
75	87.2	8.1	4	GSZ75*87.2*8.1
80	92.2	8.1	4	GSZ80*92.2*8.1
85	97.2	8.1	4	GSZ85*97.2*8.1
90	102.2	8.1	4	GSZ90*102.2*8.1
95	107.2	8.1	4	GSZ95*107.2*8.1
100	112.2	8.1	4	GSZ100*112.2*8.1
105	117.2	8.1	4	GSZ105*117.2*8.1
110	122.2	8.1	4	GSZ110*122.2*8.1
115	127.2	8.1	4	GSZ115*127.2*8.1
120	132.2	8.1	4	GSZ120*132.2*8.1
125	137.2	8.1	4	GSZ125*137.2*8.1



GSZ

Rod Dia.	Groove Dia.	Groove Width	a	Order No.
d f8	D H9	L		
130	142.2	8.1	4	GSZ130*142.2*8.1
135	147.2	8.1	4	GSZ135*147.2*8.1
140	156	9.5	5	GSZ140*156*9.5
145	161	9.5	5	GSZ145*161*9.5
150	166	9.5	5	GSZ150*166*9.5
155	171	9.5	5	GSZ155*171*9.5
160	176	9.5	5	GSZ160*176*9.5
165	181	9.5	5	GSZ165*181*9.5
170	186	9.5	5	GSZ170*186*9.5
175	191	9.5	5	GSZ175*191*9.5
180	196	9.5	5	GSZ180*196*9.5
190	206	9.5	5	GSZ190*206*9.5
200	216	9.5	5	GSZ200*216*9.5
210	226	9.5	5	GSZ210*226*9.5
220	236	9.5	5	GSZ220*236*9.5
240	256	9.5	5	GSZ240*256*9.5
250	266	9.5	5	GSZ250*266*9.5
260	276	9.5	5	GSZ260*276*9.5
270	286	9.5	5	GSZ270*286*9.5
280	296	9.5	5	GSZ280*296*9.5
300	316	9.5	5	GSZ300*316*9.5
320	336	9.5	5	GSZ320*336*9.5
330	346	9.5	5	GSZ330*346*9.5
350	366	9.5	5	GSZ350*366*9.5
360	376	9.5	5	GSZ360*376*9.5
380	396	9.5	5	GSZ380*396*9.5
400	424	14	8	GSZ400*424*14
440	464	14	8	GSZ440*464*14
450	474	14	8	GSZ450*474*14
480	504	14	8	GSZ480*504*14
500	524	14	8	GSZ500*524*14
560	584	14	8	GSZ560*584*14
600	624	14	8	GSZ600*624*14
650	677.3	16	10	GSZ650*677.3*16
680	707.3	16	10	GSZ680*707.3*16
700	727.3	16	10	GSZ700*727.3*16
770	797.3	16	10	GSZ770*797.3*16
785	812.3	16	10	GSZ785*812.3*16
800	827.3	16	10	GSZ800*827.3*16



GSZ

Rod Dia.	Groove Dia.	Groove Width	a	Order No.
d f8	D H9	L		
810	837.3	16	10	GSZ810*837.3*16
900	927.3	16	10	GSZ900*927.3*16
950	977.3	16	10	GSZ950*977.3*16
1000	1027.3	16	10	GSZ1000*1027.3*16