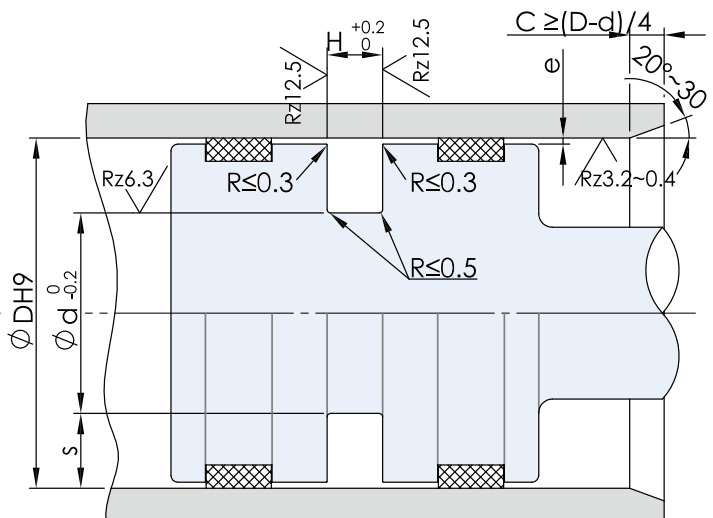
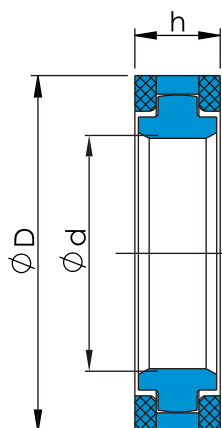
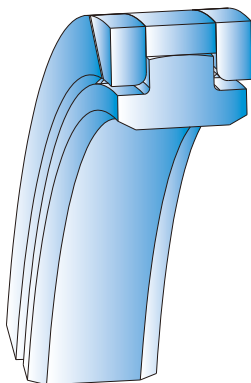




SPGW 活塞密封/Piston seals

SPGW型



Standard Materials:

Sealing ring: filled with polytetrafluoroethylene (F-PT-FE)

Elasticity: nitrile rubber (NBR)

Backup ring: modified polyoxymethylene (POM) or modified nylon (PA)

Features:

- Excellent sealing performance in both dynamic and static conditions
- Allows for larger extrusion gaps, reducing processing costs depending on the application
- Can be safely used in media with contaminants due to the larger extrusion gaps
- Low friction and no crawling phenomenon
- Simple groove design, suitable for integral pistons
- If there are special requirements (pressure, temperature, speed, special media, etc.), please contact our consulting service department for recommendations on suitable materials.

Technical Specification:

- Pressure: 50MPa
- Speed: 1.5M/S
- Temperature: $-45^{\circ}\text{C} \sim +120^{\circ}\text{C}$
- Medium: Mineral hydraulic oil, fire-resistant hydraulic oil, environmentally friendly hydraulic oil, water, air, and other media, depending on the seal material

Applications:

These seals excel in hydraulic systems and reciprocating motion applications, particularly in heavy-duty, bi-directional piston sealing scenarios under high pressure, low pressure, and high-frequency conditions. They are suitable for both long and short strokes and can accommodate larger piston clearances in situations involving a wide range of fluids and high temperatures. They are primarily used for piston sealing in heavy-duty or construction machinery, offering excellent leak control, extrusion resistance, and durability, such as in excavators and heavy hydraulic cylinders.

Bore Diam.	Groove Diam.	Groove Width	Seal's Width	Radial Clearance Max. e	
D (H9)	d (h9)	H+0.2	h	32Mpa	50Mpa
50-60	D-14	9.0	8.5	0.54	0.39
63-95	D-15	11.0	10.5	0.80	0.42
100-120	D-15	12.5	12.0	0.80	0.42
125-240	D-23	16.0	15.5	0.79	0.44
≥ 250	D-28	17.5	17.0	0.83	0.47



Specification:

Name	Nominal Dimension			H
	D	d	h	
SPGW-50	50	36	8.5	9.0
SPGW-55	55	41	8.5	9.0
SPGW-60	60	46	8.5	9.0
SPGW-63	63	48	10.5	11.0
SPGW-65	65	50	10.5	11.0
SPGW-70	70	55	10.5	11.0
SPGW-75	75	60	10.5	11.0
SPGW-80	80	65	10.5	11.0
SPGW-85	85	70	10.5	11.0
SPGW-90	90	75	10.5	11.0
SPGW-95	95	80	10.5	11.0
SPGW-100	100	85	12.0	12.5
SPGW-105	105	90	12.0	12.5
SPGW-110	110	95	12.0	12.5
SPGW-115	115	100	12.0	12.5
SPGW-120	120	105	12.0	12.5
SPGW-125	125	102	15.5	16.0
SPGW-130	130	107	15.5	16.0
SPGW-135	135	112	15.5	16.0
SPGW-140	140	117	15.5	16.0
SPGW-145	145	122	15.5	16.0
SPGW-150	150	127	15.5	16.0
SPGW-155	155	132	15.5	16.0
SPGW-160	160	137	15.5	16.0
SPGW-165	165	142	15.5	16.0
SPGW-170	170	147	15.5	16.0
SPGW-175	175	152	15.5	16.0
SPGW-180	180	157	15.5	16.0
SPGW-185	185	162	15.5	16.0

Name	Nominal Dimension			H
	D	d	h	
SPGW-190	190	167	15.5	16.0
SPGW-195	195	172	15.5	16.0
SPGW-200	200	177	15.5	16.0
SPGW-205	205	182	15.5	16.0
SPGW-210	210	187	15.5	16.0
SPGW-215	215	192	15.5	16.0
SPGW-220	220	197	15.5	16.0
SPGW-225	225	202	15.5	16.0
SPGW-230	230	207	15.5	16.0
SPGW-240	240	217	15.5	16.0
SPGW-250	250	222	17.0	17.5
SPGW-260	260	232	17.0	17.5
SPGW-270	270	242	17.0	17.5
SPGW-280	280	252	17.0	17.5
SPGW-290	290	262	17.0	17.5
SPGW-300	300	272	17.0	17.5
SPGW-310	310	282	17.0	17.5
SPGW-320	320	292	17.0	17.5
Inch Dimension				
SPGW	3.00	2.52	0.559	0.579
SPGW	3.25	2.77	0.559	0.579
SPGW	3.50	3.02	0.559	0.579
SPGW	4.00	3.52	0.559	0.579
SPGW	4.25	3.77	0.559	0.579
SPGW	4.50	4.02	0.559	0.579
SPGW	4.75	4.27	0.559	0.579
SPGW	5.00	4.52	0.559	0.579
SPGW	5.25	4.77	0.559	0.579
SPGW	5.50	5.02	0.559	0.579