



Category

- Seal, Double Acting Piston

Construction

- Filled PTFE ring, energised with an NBR rectangular ring

Housing

- Rectangular groove in one piece piston

Duty

- Medium to heavy

Features

- Low friction
- Broad temperature range
- Compact design

Comments

- Common Asian series

Size Range

- JIS metric

Metric Specifications

Operating Conditions

Maximum Speed:	4.0 m/sec
Temperature Range:	-30°C ~ 100°C
Maximum Pressure:	350 bar

Surface Finish

Dynamic Sealing Face:	0.1 ~ 0.4 µmRa
Static Sealing Face:	1.6 µmRa max
Other Faces:	3.2 µmRa max

Extrusion Gap (Diametral)

Pressure (bar)	100	170	260	350
Maximum gap (mm)	0.60	0.50	0.40	0.30

Chamfer

Minimum Z = H x 0.8

Metric Sizes

Part No.	ØD	Ød	H
<i>Tolerances</i>	<i>H9</i>	<i>+0 -0.2</i>	<i>+0.2 -0</i>
SPG30	30.00	20.50	4.50
SPG32	32.00	22.50	4.50
SPG35	35.00	25.50	4.50
SPG40	40.00	30.00	4.50
SPG45	45.00	35.00	4.50
SPG50	50.00	40.00	4.50
SPG55	55.00	45.00	4.50
SPG56	56.00	46.00	4.50
SPG60	60.00	50.00	4.50
SPG63	63.00	48.00	7.50
SPG65	65.00	50.00	7.50
SPG70	70.00	55.00	7.50
SPG75	75.00	60.00	7.50

Metric Sizes (cont'd)

Part No.	ØD	Ød	H
SPG80	80.00	65.00	7.50
SPG85	85.00	70.00	7.50
SPG90	90.00	75.00	7.50
SPG95	95.00	80.00	7.50
SPG100	100.00	85.00	7.50
SPG110	110.00	94.00	7.50
SPG120	120.00	104.00	7.50
SPG125	125.00	109.00	7.50
SPG130	130.00	114.00	7.50
SPG140	140.00	124.00	7.50
SPG150	150.00	134.00	7.50
SPG160	160.00	144.00	7.50
SPG170	170.00	148.00	11.00
SPG180	180.00	158.00	11.00

Metric Sizes (cont'd)

Part No.	ØD	Ød	H
SPG190	190.00	168.00	11.00
SPG200	200.00	178.00	11.00
SPG210	210.00	188.00	11.00
SPG224	224.00	202.00	11.00
SPG225	225.00	203.00	11.00
SPG230	230.00	208.00	11.00
SPG240	240.00	218.00	11.00
SPG250	250.00	228.00	11.00
SPG260	260.00	236.00	12.00
SPG270	270.00	246.00	12.00
SPG280	280.00	256.00	12.00
SPG290	290.00	266.00	12.00
SPG300	300.00	276.00	12.00