



Category

- Seal, Double Acting Piston

Construction

- Filled PTFE sealing ring, energised by a T section NBR energiser, backed up by nylon antiextrusion rings

Housing

- Rectangular groove in one piece piston

Duty

- Heavy

Features

- Energised antiextrusion rings effectively prevent extrusion
- Broad temperature range
- Robust, compact design

Comments

- Common Asian series
- Excellent high performance seal, recommended for new applications or retrofit

Size Range

- JIS metric

Metric Specifications

Operating Conditions

Maximum Speed:	1.5 m/sec
Temperature Range:	-40°C ~ 120°C
Maximum Pressure:	500 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)	160	250	400	500
Maximum gap (mm)	1.0	0.8	0.6	0.5

Chamfers

Minimum Z = C x 0.6	where C = (ØD - Ød) ÷ 2
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Metric Sizes

Part No.	ØD	Ød	H
<i>Tolerances</i>	<i>H9</i>	<i>+0 -0.2</i>	<i>+0.2 -0</i>
SPGT50	50.00	36.00	9.00
SPGT60	60.00	46.00	9.00
SPGT63	63.00	48.00	11.00
SPGT65	65.00	50.00	11.00
SPGT70	70.00	55.00	11.00
SPGT75	75.00	60.00	11.00
SPGT80	80.00	65.00	11.00
SPGT85	85.00	70.00	11.00
SPGT90	90.00	75.00	11.00
SPGT95	95.00	80.00	12.50
SPGT100	100.00	85.00	12.50
SPGT105	105.00	90.00	12.50
SPGT110	110.00	95.00	12.50

Metric Sizes (cont'd)

Part No.	ØD	Ød	H
SPGT115	115.00	100.00	12.50
SPGT120	120.00	105.00	12.50
SPGT125	125.00	102.00	16.00
SPGT130	130.00	107.00	16.00
SPGT135	135.00	112.00	16.00
SPGT140	140.00	117.00	16.00
SPGT145	145.00	122.00	16.00
SPGT150	150.00	127.00	16.00
SPGT155	155.00	132.00	16.00
SPGT160	160.00	137.00	16.00
SPGT165	165.00	142.00	16.00
SPGT170	170.00	147.00	16.00
SPGT180	180.00	157.00	16.00
SPGT185	185.00	162.00	16.00

Metric Sizes (cont'd)

Part No.	ØD	Ød	H
SPGT190	190.00	167.00	16.00
SPGT200	200.00	177.00	16.00
SPGT210	210.00	187.00	16.00
SPGT215	215.00	192.00	16.00
SPGT220	220.00	197.00	16.00
SPGT225	225.00	202.00	16.00
SPGT230	230.00	207.00	16.00
SPGT240	240.00	217.00	16.00
SPGT250	250.00	222.00	17.50
SPGT260	260.00	232.00	17.50
SPGT270	270.00	242.00	17.50
SPGT280	280.00	252.00	17.50
SPGT300	300.00	272.00	17.50