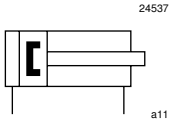
Compact cylinder, Series KPZ

► Ports: M5 - G 1/8 ► double-acting ► with magnetic piston ► Cushioning: elastic ► Piston rod: Internal thread, Optionally through ► ATEX optional ► optionally heat-resistant



Standards	NFE 49004
Compressed air connection	Internal thread
Ambient temperature min./max.	-20°C / +80°C
Medium temperature min./max.	-20°C / +80°C
Medium	Compressed air
Max. particle size	50 μm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pressure for determining piston forces	6,3 bar
Materials:	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Aluminum
End cover	Aluminum

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from AVENTICS, see chapter „Technical information“.
- ATEX-certified cylinders can be generated in the Internet configurator.
- ATEX ID: II 2G c IIB T4 II 2D c IP65 T125°C X
- The operating temperature range for ATEX-certified cylinders is -20 °C ... 50 °C.
- The material for heat-resistant scraper and seal variants (ambient temperature: -10 °C/120 °C) is fluorocaoutchouc.
- Further options can be generated in the Internet configurator.

Piston Ø	[mm]	16	20	25	32	40
Retracting piston force	[N]	95	148	260	435	720
Extracting piston force	[N]	127	198	309	507	792
Impact energy	[J]	0.15	0.2	0.3	0.5	0.7
Stroke max.	[mm]	300	300	300	300	300
Working pressure min./max.	[bar]	1 - 10	1 - 10	1 - 10	0.6 - 10	0.6 - 10
Scraper material		Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane
Sealing material		Nitrile butadiene rubber	Nitrile butadiene rubber	Nitrile butadiene rubber	Polyurethane	Polyurethane

Piston Ø	[mm]	50	63	80	100	
Retracting piston force	[N]	1110	1827	2969	4639	
Extracting piston force	[N]	1237	1964	3167	4948	
Impact energy	[J]	1	1.3	1.8	2.5	
Stroke max.	[mm]	300	300	500	500	
Working pressure min./max.	[bar]	0.6 - 10	0.6 - 10	0.6 - 10	0.6 - 10	
Scraper material		Polyurethane	Polyurethane	Polyurethane	Polyurethane	
Sealing material		Polyurethane	Polyurethane	Polyurethane	Polyurethane	

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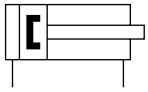


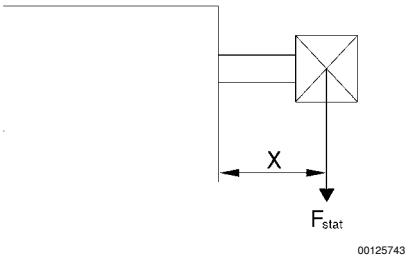
Piston Ø Piston rod thread Ports	16 M4 M5	20 M6 M5	25 M6 M5	32 M8 G 1/8	40 M8 G 1/8
Stroke 5	**0822390000**	**0822391000**	**0822392000**	**0822393000**	**0822394000**
10	**0822390001**	**0822391001**	**0822392001**	**0822393001**	**0822394001**
15	**0822390002**	**0822391002**	**0822392002**	**0822393002**	**0822394002**
20	**0822390003**	**0822391003**	**0822392003**	**0822393003**	**0822394003**
25	**0822390004**	**0822391004**	**0822392004**	**0822393004**	**0822394004**
30	**0822390005**	**0822391005**	**0822392005**	**0822393005**	**0822394005**
40	**0822390006**	**0822391006**	**0822392006**	**0822393006**	**0822394006**
50	**0822390007**	**0822391007**	**0822392007**	**0822393007**	**0822394007**
60	0822390008	**0822391008**	**0822392008**	**0822393008**	**0822394008**
80	-	-	-	**0822393009**	**0822394009**
100	-	-	-	**0822393010**	**0822394010**

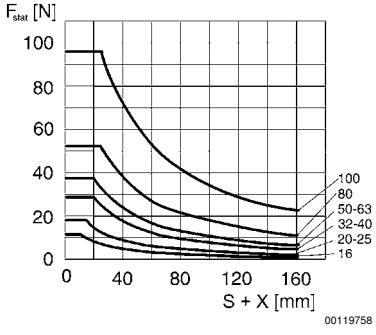
Piston Ø Piston rod thread Ports	50 M10 G 1/8	63 M10 G 1/8	80 M12 G 1/8	100 M16 G 1/8	
Stroke 5	**0822395000**	**0822396000**	**0822397000**	0822398000	
10	**0822395001**	**0822396001**	**0822397001**	0822398001	
15	**0822395002**	**0822396002**	**0822397002**	0822398002	
20	**0822395003**	**0822396003**	**0822397003**	0822398003	
25	**0822395004**	**0822396004**	**0822397004**	0822398004	
30	**0822395005**	**0822396005**	**0822397005**	**0822398005**	
40	**0822395006**	**0822396006**	**0822397006**	**0822398006**	
50	**0822395007**	**0822396007**	**0822397007**	**0822398007**	
60	**0822395008**	**0822396008**	**0822397008**	**0822398008**	
80	**0822395009**	**0822396009**	**0822397009**	**0822398009**	
100	**0822395010**	**0822396010**	**0822397010**	**0822398010**	

Configurable product

This product is configurable. Please use our Internet configurator at http://www.aventics.com or contact the nearest AVENTICS sales office.

Maximum permissible lateral force, Static





F stat. = static lateral force
X = spacing between force application point and cylinder cover

S = stroke