

Type codes

001	Series	
DPZ	Double piston cylinder with one end plate, double-acting	
DPZJ	Double piston cylinder with through piston rod and two end plates, double-acting	
002	Size	
10	10	
16	16	
20	20	
25	25	
32	32	
003	Stroke	
...	10 ... 100	

004	Cushioning	
P	Elastic cushioning rings/plates on both sides	
005	Position sensing	
A	For proximity sensor	
006	Guide	
GF	Plain bearing	
KF	Recirculating ball bearing guide	
007	Piston rod type	
	At one end	
S2	Through piston rod	

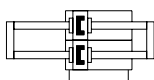
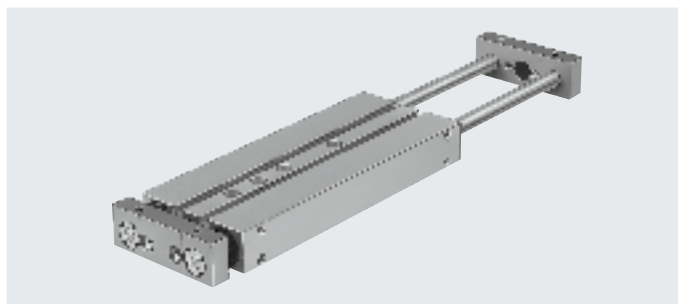
Data sheet

Function DPZ


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-  - Diameter
10 ... 32 mm
-  - Stroke length
10 ... 100 mm

Function DPZJ


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-  - Diameter
10 ... 32 mm
-  - Stroke length
10 ... 100 mm

General technical data						
Piston Ø		10	16	20	25	32
Pneumatic connection		M5	M5	M5	M5	G1/8
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]				
Note on the operating/ pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)				
Operating pressure						
	[MPa]	0.25 ... 1	0.1 ... 1			
	[psi]	36 ... 145	14.5 ... 145			
	[bar]	2.5 ... 10	1 ... 10			
Design		Parallel piston rods				
		Parallel piston rods with yoke				
Cushioning		Elastic end-position cushioning				
Position sensing		Via proximity switch				
Type of mounting		Via through-hole				
		With female thread				
		With mounting plate				
Mounting position		Any				
Protection against rotation/guide		Parallel pistons / plain-bearing or recirculating ball bearing guide				
Environmental conditions						
Variant		Plain-bearing guide GF			Recirculating ball bearing guide KF	
Ambient temperature ¹⁾	[°C]	-20 ... +80				
Corrosion resistance class CRC ²⁾		2			-	

1) Note operating range of proximity switches

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

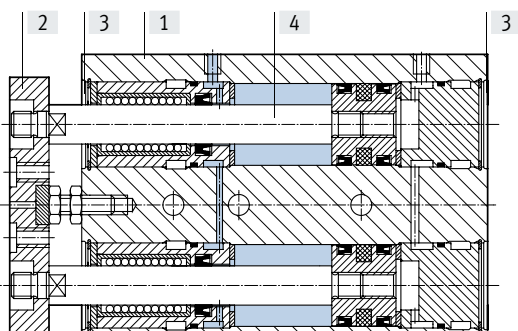
Data sheet

DPZ with plain-bearing guide GF					
Stroke [mm]	Piston ø [mm]				
	10	16	20	25	32
Product weight [g]					
0	234	389	568	838	1389
10	257	416	607	891	1473
25	291	456	666	971	1598
40	325	496	725	1052	1723
50	348	523	764	1105	1806
80	417	603	882	1265	2057
100	463	657	960	1372	2223

DPZ with recirculating ball bearing guide KF					
Stroke [mm]	Piston ø [mm]				
	10	16	20	25	32
Product weight [g]					
0	243	368	522	742	1200
10	266	395	561	795	1283
25	300	435	620	875	1408
40	334	475	679	955	1533
50	357	502	718	1009	1617
80	426	582	836	1169	1867
100	472	636	914	1276	2034

Materials

Sectional view



Twin cylinder		
[1]	Housing	Wrought aluminium alloy
[2]	Yoke plate	Tempered steel
[3]	Cover	Wrought aluminium alloy
[4]	Piston rod	GF High-alloy stainless steel
		KF Tempered steel
–	Seals	Polyurethane, nitrile rubber