



- Twin pistons provide twice the force from half the space
- Plain bearing or recirculating ball bearing guide
- Widely-spaced piston rods for high load capacity
- Precision stroke adjustment in the end position

Specified types in accordance with ATEX directive for potentially explosive atmospheres

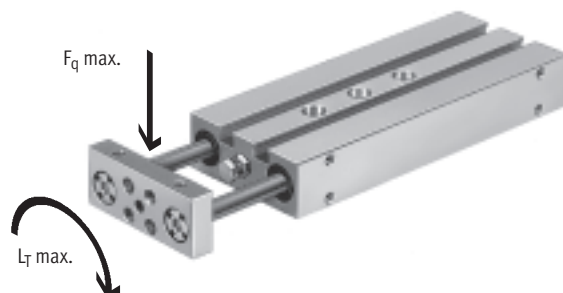
➔ www.festo.com/en/ex

Twin cylinders DPZ/DPZJ

Key features

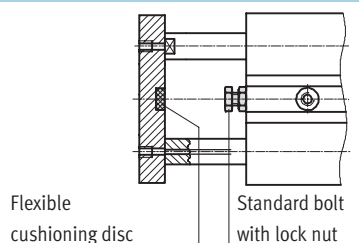
High force with excellent protection against torsion

- 100 to 1,000 N thrust at 6 bar operating pressure
- Load capacity (F_Q) from 8 to 105 N
- Permissible torque load (T_L) centrally acting from 0.1 to 3 Nm
- Widely-spaced piston rods for high load capacity



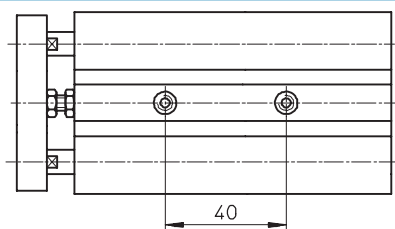
Precision stroke adjustment

- A standard bolt and lock nut allows variation of the standard strokes within a range of 10 mm
- If necessary, a longer bolt can be used



Grid dimension

- 20 and 40 mm to suit profile systems



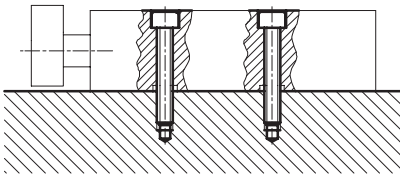
Twin cylinders DPZ/DPZJ

Key features

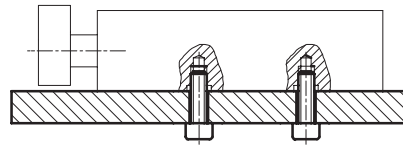
FESTO

Mounting options

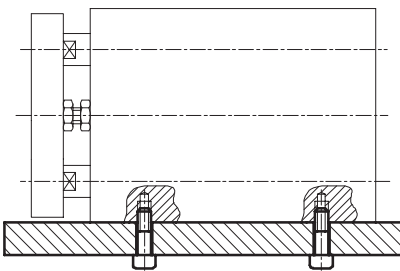
Horizontal mounting from above



Horizontal mounting from below



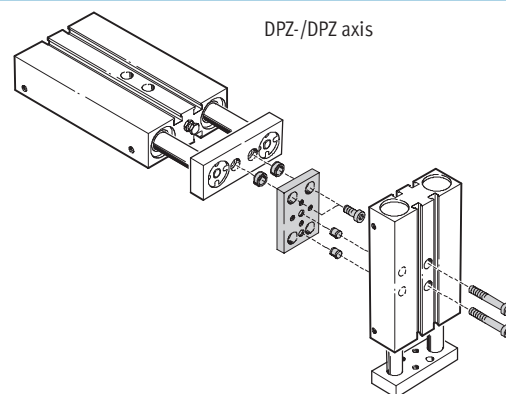
Side mounting from below



Multi-axis and drive combinations

The twin cylinder DPZ/DPZJ can be combined with different drives. An adapter kit is required for mounting between the two drives.

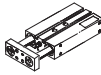
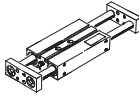
Adapter kits
→ Volume 5



Twin cylinders DPZ/DPZJ

Product range overview

FESTO

Function	Version	Type	Piston ∅	Stroke	Precision end position adjustment		Position sensing
			[mm]	[mm]	Retracted end position	Advanced end position	
Double-acting	Basic version						
		DPZ	10	10, 25, 40, 50	■	—	■
			16, 20, 25, 32	10, 25, 40, 50, 80, 100			
	Through piston rods with additional yoke plate						
		DPZJ for higher lateral forces and precision	10	10, 25, 40, 50	■	■	■
			16, 20, 25, 32	10, 25, 40, 50, 80, 100			

Twin cylinders DPZ/DPZJ

Product range overview

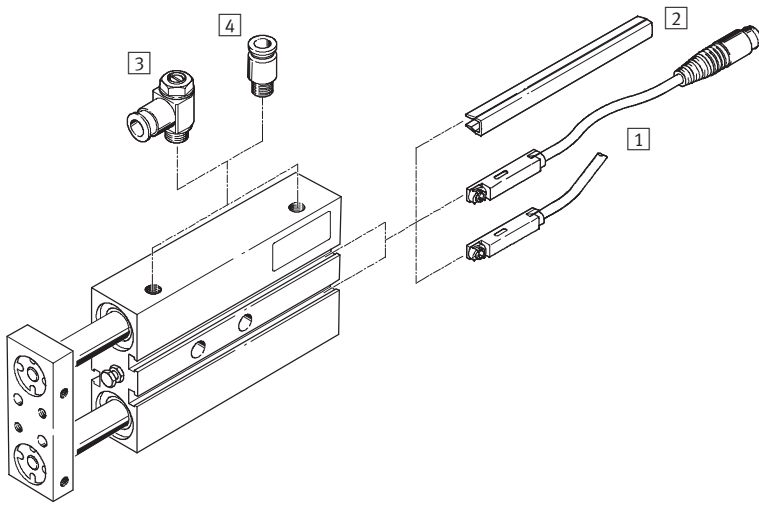
FESTO

Type	Plain bearing guide	Recirculating ball bearing guide	Through piston rod	Heat resistant seals up to 120 °C	Through, hollow piston rod	→ Page
	GF	KF	S2	S6	S20	
Basic version						
DPZ	■	■	■	■ Plain bearing guide	■	1 / 6.3-30
Through piston rods with additional yoke plate						
DPZJ for higher lateral forces and precision	■	■	■	—	■	1 / 6.3-30

Twin cylinders DPZ/DPZJ

Peripherals overview

FESTO



Accessories				
	Brief description	Piston $\varnothing$		→ Page
		10, 16 mm	20, 25, 32 mm	
1 Proximity sensor SME/SMT-8	Can be integrated in the cylinder profile barrel	■	■	1 / 6.3-43
2 Slot cover ABP-5-S	To protect the sensor cable and keep dirt out of the sensor slots	■	■	1 / 6.3-43
3 One-way flow control valve GRLA	To regulate speed	■	■	1 / 6.3-44
4 Push-in fitting QS	For connecting compressed air tubing with standard O.D.	■	■	Volume 3
– Centring pin ZBS	4 pieces included in scope of delivery	■	–	1 / 6.3-44
– Centring sleeve ZBH	4 pieces included in scope of delivery	–	■	1 / 6.3-44

Twin cylinders DPZ/DPZJ

Type codes

FESTO

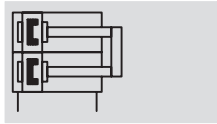
		DPZ	–	10	–	40	–	P	–	A	–	KF	–	S2
Type														
Double-acting														
DPZ	Twin cylinder with one yoke plate													
DPZJ	Twin cylinder with through piston rods and two yoke plates													
Piston Ø [mm]														
Stroke [mm]														
Cushioning														
P	Flexible cushioning rings/plates at both ends													
Position sensing														
A	For proximity sensing													
Guide														
GF	Plain bearing guide													
KF	Recirculating ball bearing guide													
Variant														
S2	Through piston rod													
S6	Heat resistant seals up to 120 °C													
S20	Through, hollow piston rod													

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Function DPZ



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

- - www.festo.com/en/Spare_parts_service

Variants



S2



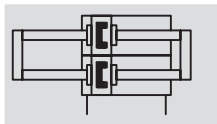
S6



S20



Function DPZJ



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

- - www.festo.com/en/Spare_parts_service

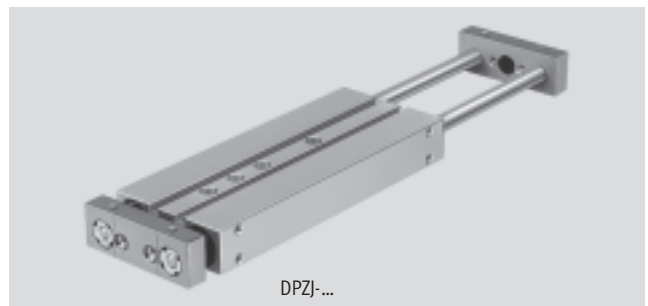
Variants



S2



S20



General technical data					
Piston Ø	10	16	20	25	32
Pneumatic connection	M5	M5	M5	M5	G¼
Operating medium	Filtered compressed air, lubricated or unlubricated				
Operating pressure [bar]	2.5 ... 10	1 ... 10			
Constructional design	Parallel piston rods with yoke				
	Through parallel piston rods with yoke				
Cushioning	Flexible cushioning rings/plates at both ends				
Position sensing	For proximity sensing				
Type of mounting	Via through-holes				
	With female thread				
	With mounting plate				
Mounting position	Any				
Protection against torsion/guide	Parallel piston rods/with plain-bearing guide or ball bearing guide				

Ambient conditions			
Variant	Plain-bearing guide GF		Recirculating ball bearing guide KF
		S6	
Ambient temperature ¹⁾ [°C]	-20 ... +80	0 ... +120	-20 ... +80
Corrosion resistance class CRC ²⁾	2	2	-

1) Note operating range of proximity sensors.

2) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

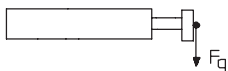
Twin cylinders DPZ/DPZJ

Technical data

FESTO

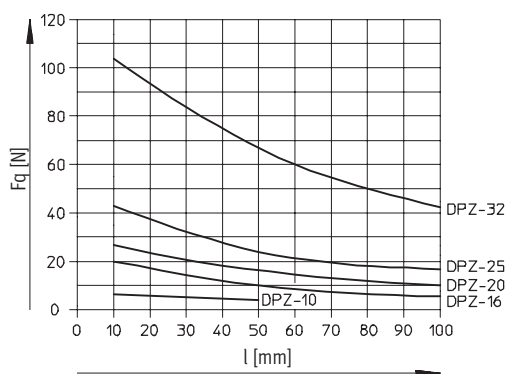
Forces [N] and impact energy [J]						
Piston Ø	10	16	20	25	32	
Theoretical force at 6 bar, advancing	94	242	376	590	966	
S2/S20, DPZJ	60	180	282	452	724	
Theoretical force at 6 bar, retracting	60	180	282	452	724	
S2/S20, DPZJ	60	180	282	452	724	
Max. impact energy at end positions	0.08	0.15	0.2	0.3	0.5	

Permissible lateral force F_Q as a function of stroke l

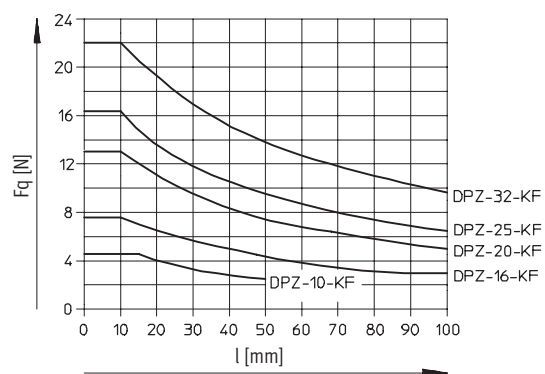


Piston rods at one end

Plain-bearing guide GF

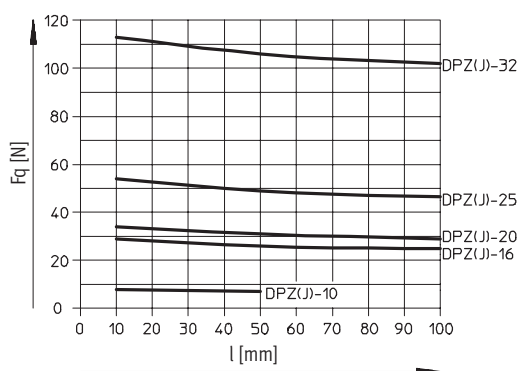


Recirculating ball bearing guide KF

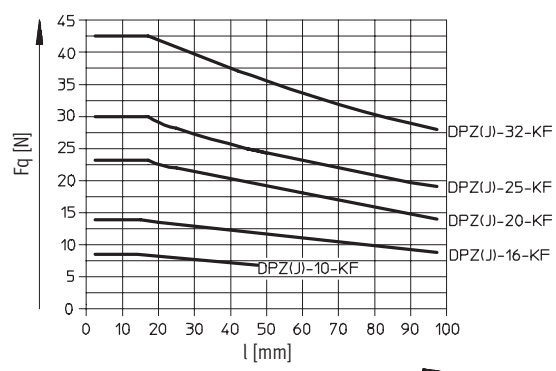


Through piston rods

Plain-bearing guide GF



Recirculating ball bearing guide KF

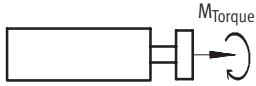


Twin cylinders DPZ/DPZJ

Technical data

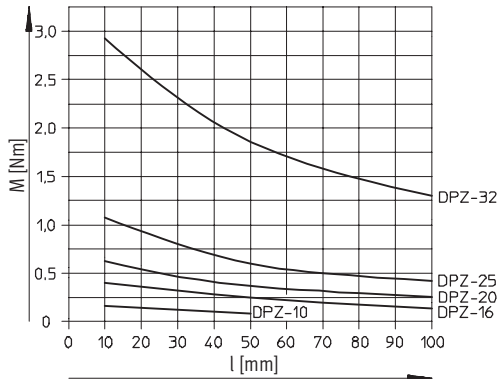
FESTO

Permissible torque M as a function of stroke l

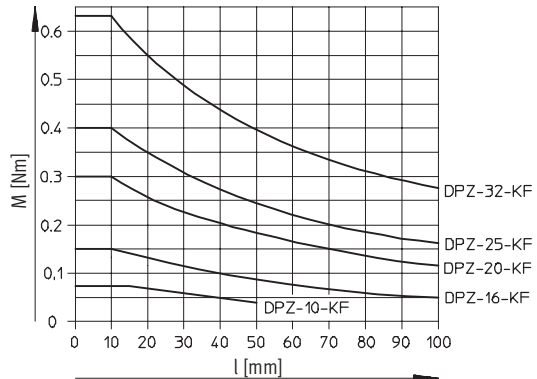


Piston rods at one end

Plain-bearing guide GF

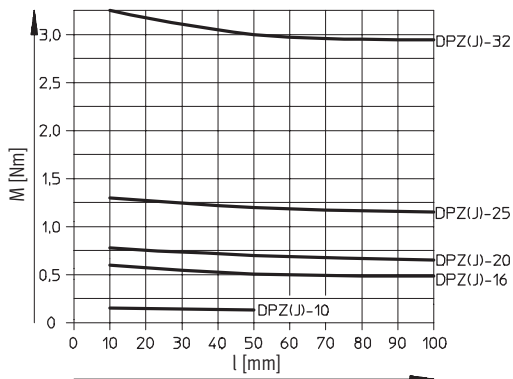


Recirculating ball bearing guide KF

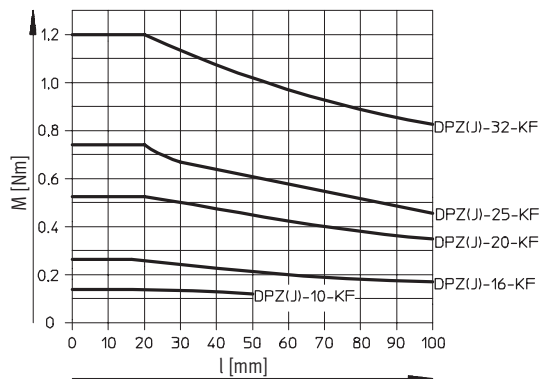


Through piston rods

Plain-bearing guide GF



Recirculating ball bearing guide KF



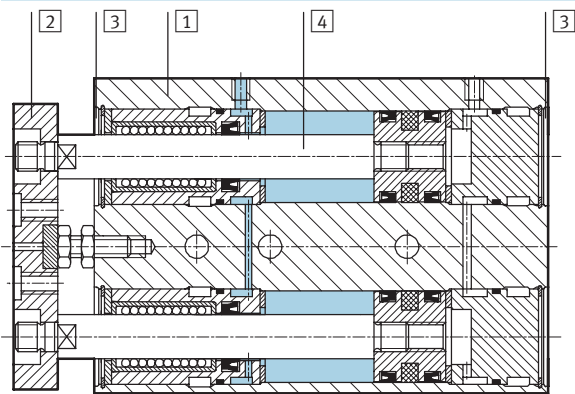
Twin cylinders DPZ/DPZJ

Technical data



Materials

Sectional view

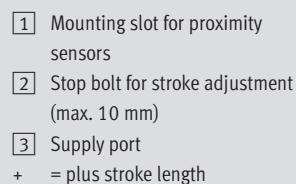


Twin cylinders		Basic version	S6
1	Housing	Wrought aluminium alloy	Wrought aluminium alloy
2	Yoke plate	Tempered steel	Tempered steel
3	Plug cap	Wrought aluminium alloy	Wrought aluminium alloy
4	Piston rod	GF	High-alloy stainless steel
		KF	Tempered steel
–	Seals	Polyurethane, nitrile rubber	Fluorocarbon rubber, nitrile rubber

Technical data

6.3

Download CAD data → www.festo.com/en/engineering

Piston $\varnothing$ 10, 16 mm

Stroke [mm]	L18 ±0.03	L19 ±0.03
10	–	–
25	–	–
40	–	–
50	40	–
80	40	80
100	40	80

Technical data

Twin cylinders DPZ/DPZJ

Technical data

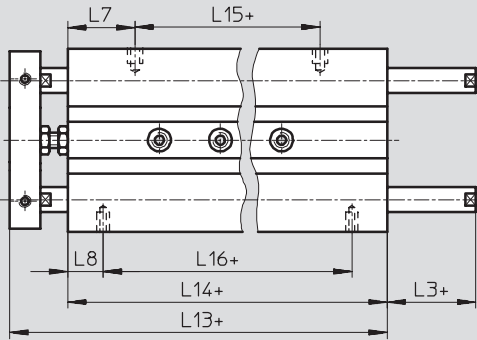
FESTO

Dimensions – Variants DPZ

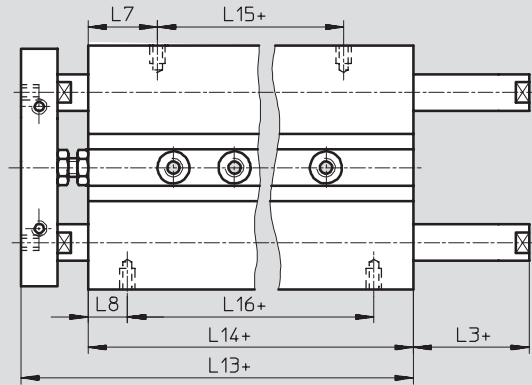
Download CAD data → www.festo.com/en/engineering

S2 – Through piston rods

Ø 10, 16 mm



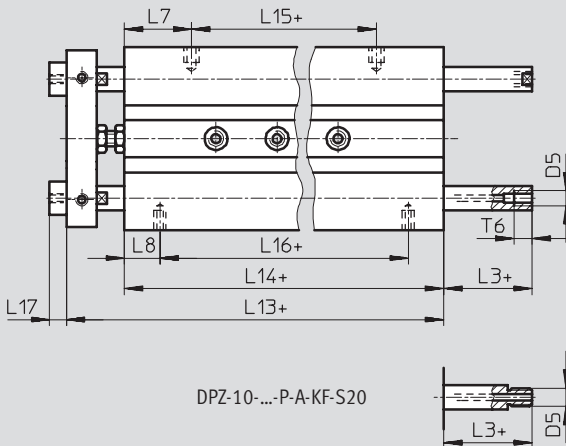
Ø 20, 25, 32 mm



+ = plus stroke length

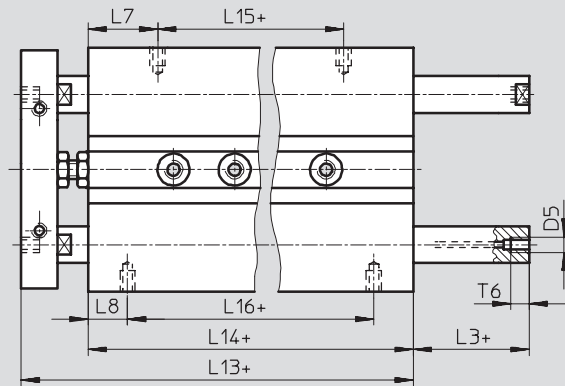
S20 – Through, hollow piston rods

Ø 10, 16 mm



DPZ-10-...-P-A-KF-S20

Ø 20, 25, 32 mm



+ = plus stroke length

Ø [mm]	D5	L3	L7		L8		L13		L14		L15		L16 ±0.2		L17	T6
			GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF		
10	M5	8	23.4	40.7	13.1	30.8	89.6	124	71.6	106	24.8	24.7	45.4	44.4	4.5	6
16	M5	9	22	38.9	11.6	25.5	93.6	127.4	74.6	108.4	30.6	30.6	51.4	57.4	5.5	6
20	M5	10	22.8	43.4	12.9	33.5	98.6	139.2	76.6	117.2	31	30.4	50.8	50.2	–	6
25	M5	10	20.2	40	8.7	28.8	98.6	135	76.6	113	36.2	33	59.2	55.4	–	6
32	G½	15	25	44.9	10	26	110.1	149.9	80.1	119.9	30.1	30.1	60.1	67.9	–	10

Twin cylinders DPZ/DPZJ

Technical data

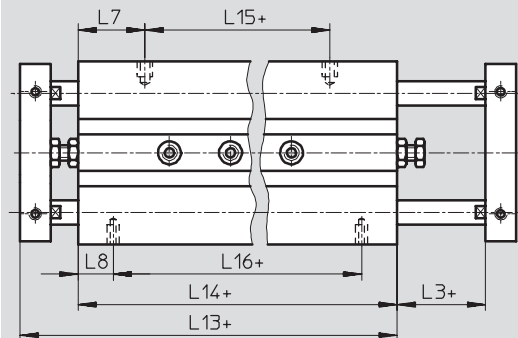
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Dimensions – Variants DPZJ

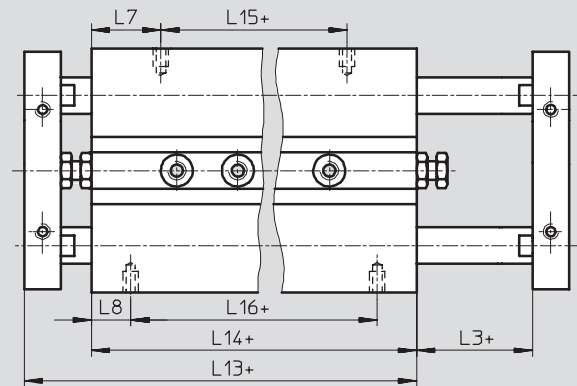
Download CAD data → www.festo.com/en/engineering

S2 – Through piston rods

Ø 10, 16 mm



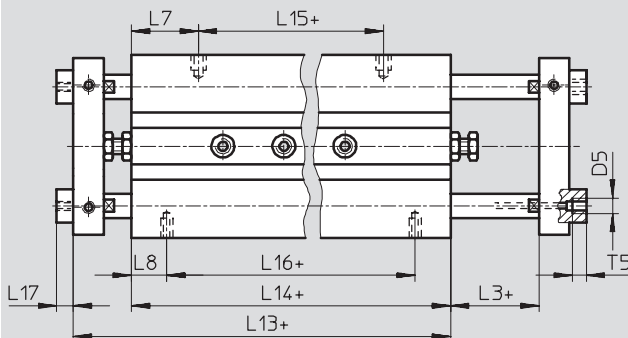
Ø 20, 25, 32 mm



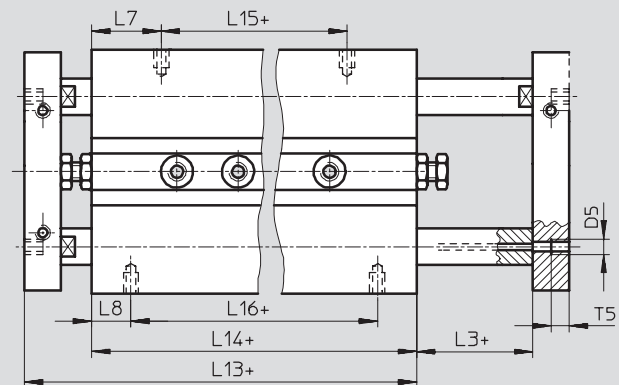
+ = plus stroke length

S20 – Through, hollow piston rods

Ø 10, 16 mm



Ø 20, 25, 32 mm



+ = plus stroke length

Ø [mm]	D5	L3	L7		L8		L13		L14		L15		L16 ±0.2		L17	T5
			GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF		
10	M5	8	23.4	40.7	13.1	30.8	89.6	124	71.6	106	24.8	24.7	45.4	44.4	4.5	5
16	M5	9	22	38.9	11.6	25.5	93.6	127.4	74.6	108.4	30.6	30.6	51.4	57.4	5.5	4.5
20	M5	10	22.8	43.4	12.9	33.5	98.6	139.2	76.6	117.2	31	30.4	50.8	50.2	–	6
25	M5	10	20.2	40	8.7	28.8	98.6	135	76.6	113	36.2	33	59.2	55.4	–	6
32	G1/8	15	25	44.9	10	26	110.1	149.9	80.1	119.9	30.1	30.1	60.1	67.9	–	10

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – Basic version DPZ						
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF	
			Part No.	Type ¹⁾	Part No.	Type ¹⁾
	10	10	32 681	DPZ-10-10-P-A	162 001	DPZ-10-10-P-A-KF
		25	32 682	DPZ-10-25-P-A	162 002	DPZ-10-25-P-A-KF
		40	32 683	DPZ-10-40-P-A	162 003	DPZ-10-40-P-A-KF
		50	32 684	DPZ-10-50-P-A	162 004	DPZ-10-50-P-A-KF
	16	10	32 686	DPZ-16-10-P-A	162 026	DPZ-16-10-P-A-KF
		25	32 687	DPZ-16-25-P-A	162 027	DPZ-16-25-P-A-KF
		40	32 688	DPZ-16-40-P-A	162 028	DPZ-16-40-P-A-KF
		50	32 689	DPZ-16-50-P-A	162 029	DPZ-16-50-P-A-KF
		80	32 690	DPZ-16-80-P-A	162 030	DPZ-16-80-P-A-KF
		100	32 691	DPZ-16-100-P-A	162 031	DPZ-16-100-P-A-KF
	20	10	32 693	DPZ-20-10-P-A	162 061	DPZ-20-10-P-A-KF
		25	32 694	DPZ-20-25-P-A	162 062	DPZ-20-25-P-A-KF
		40	32 695	DPZ-20-40-P-A	162 063	DPZ-20-40-P-A-KF
		50	32 696	DPZ-20-50-P-A	162 064	DPZ-20-50-P-A-KF
		80	32 697	DPZ-20-80-P-A	162 065	DPZ-20-80-P-A-KF
		100	32 698	DPZ-20-100-P-A	162 066	DPZ-20-100-P-A-KF
	25	10	32 700	DPZ-25-10-P-A	162 096	DPZ-25-10-P-A-KF
		25	32 701	DPZ-25-25-P-A	162 097	DPZ-25-25-P-A-KF
		40	32 702	DPZ-25-40-P-A	162 098	DPZ-25-40-P-A-KF
		50	32 703	DPZ-25-50-P-A	162 099	DPZ-25-50-P-A-KF
		80	32 704	DPZ-25-80-P-A	162 100	DPZ-25-80-P-A-KF
		100	32 705	DPZ-25-100-P-A	162 101	DPZ-25-100-P-A-KF
	32	10	159 817	DPZ-32-10-P-A	162 131	DPZ-32-10-P-A-KF
		25	159 818	DPZ-32-25-P-A	162 132	DPZ-32-25-P-A-KF
		40	159 819	DPZ-32-40-P-A	162 133	DPZ-32-40-P-A-KF
		50	159 820	DPZ-32-50-P-A	162 134	DPZ-32-50-P-A-KF
		80	159 821	DPZ-32-80-P-A	162 135	DPZ-32-80-P-A-KF
		100	159 822	DPZ-32-100-P-A	162 136	DPZ-32-100-P-A-KF

Ordering data – Variants DPZ						
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF	
			Part No.	Type ¹⁾	Part No.	Type ¹⁾
S2 – Through piston rods						
	10	10	159 862	DPZ-10-10-P-A-S2	162 006	DPZ-10-10-P-A-KF-S2
		25	159 863	DPZ-10-25-P-A-S2	162 007	DPZ-10-25-P-A-KF-S2
		40	159 864	DPZ-10-40-P-A-S2	162 008	DPZ-10-40-P-A-KF-S2
		50	159 865	DPZ-10-50-P-A-S2	162 009	DPZ-10-50-P-A-KF-S2
	16	10	159 867	DPZ-16-10-P-A-S2	162 033	DPZ-16-10-P-A-KF-S2
		25	159 868	DPZ-16-25-P-A-S2	162 034	DPZ-16-25-P-A-KF-S2
		40	159 869	DPZ-16-40-P-A-S2	162 035	DPZ-16-40-P-A-KF-S2
		50	159 870	DPZ-16-50-P-A-S2	162 036	DPZ-16-50-P-A-KF-S2
		80	159 871	DPZ-16-80-P-A-S2	162 037	DPZ-16-80-P-A-KF-S2
		100	159 872	DPZ-16-100-P-A-S2	162 038	DPZ-16-100-P-A-KF-S2

1) 4 centring pins or sleeves are included in the scope of delivery.

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – Variants DPZ							
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF		
			Part No.	Type ¹⁾	Part No.	Type ¹⁾	
S2 – Through piston rods							
	20	10	159 874	DPZ-20-10-P-A-S2	162 068	DPZ-20-10-P-A-KF-S2	
		25	159 875	DPZ-20-25-P-A-S2	162 069	DPZ-20-25-P-A-KF-S2	
		40	159 876	DPZ-20-40-P-A-S2	162 070	DPZ-20-40-P-A-KF-S2	
		50	159 877	DPZ-20-50-P-A-S2	162 071	DPZ-20-50-P-A-KF-S2	
		80	159 878	DPZ-20-80-P-A-S2	162 072	DPZ-20-80-P-A-KF-S2	
		100	159 879	DPZ-20-100-P-A-S2	162 073	DPZ-20-100-P-A-KF-S2	
	25	10	159 881	DPZ-25-10-P-A-S2	162 103	DPZ-25-10-P-A-KF-S2	
		25	159 882	DPZ-25-25-P-A-S2	162 104	DPZ-25-25-P-A-KF-S2	
		40	159 883	DPZ-25-40-P-A-S2	162 105	DPZ-25-40-P-A-KF-S2	
		50	159 884	DPZ-25-50-P-A-S2	162 106	DPZ-25-50-P-A-KF-S2	
		80	159 885	DPZ-25-80-P-A-S2	162 107	DPZ-25-80-P-A-KF-S2	
		100	159 886	DPZ-25-100-P-A-S2	162 108	DPZ-25-100-P-A-KF-S2	
	32	10	159 891	DPZ-32-10-P-A-S2	162 138	DPZ-32-10-P-A-KF-S2	
		25	159 892	DPZ-32-25-P-A-S2	162 139	DPZ-32-25-P-A-KF-S2	
		40	159 893	DPZ-32-40-P-A-S2	162 140	DPZ-32-40-P-A-KF-S2	
		50	159 894	DPZ-32-50-P-A-S2	162 141	DPZ-32-50-P-A-KF-S2	
		80	159 895	DPZ-32-80-P-A-S2	162 142	DPZ-32-80-P-A-KF-S2	
		100	159 896	DPZ-32-100-P-A-S2	162 143	DPZ-32-100-P-A-KF-S2	
	Heat resistant seals up to 120 °C						
		10	10	159 826	DPZ-10-10-P-A-S6	–	–
			25	159 827	DPZ-10-25-P-A-S6		
			40	159 828	DPZ-10-40-P-A-S6		
			50	159 829	DPZ-10-50-P-A-S6		
		16	10	159 830	DPZ-16-10-P-A-S6	–	–
25			159 831	DPZ-16-25-P-A-S6			
40			159 832	DPZ-16-40-P-A-S6			
50			159 833	DPZ-16-50-P-A-S6			
80			159 834	DPZ-16-80-P-A-S6			
100			159 835	DPZ-16-100-P-A-S6			
20		10	159 836	DPZ-20-10-P-A-S6	–	–	
		25	159 837	DPZ-20-25-P-A-S6			
		40	159 838	DPZ-20-40-P-A-S6			
		50	159 839	DPZ-20-50-P-A-S6			
		80	159 840	DPZ-20-80-P-A-S6			
		100	159 841	DPZ-20-100-P-A-S6			
25		10	159 842	DPZ-25-10-P-A-S6	–	–	
		25	159 843	DPZ-25-25-P-A-S6			
		40	159 844	DPZ-25-40-P-A-S6			
		50	159 845	DPZ-25-50-P-A-S6			
		80	159 846	DPZ-25-80-P-A-S6			
		100	159 847	DPZ-25-100-P-A-S6			

1) 4 centring pins or sleeves are included in the scope of delivery.

Drives with linear guides
Twin pistons

6.3

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – Variants DPZ						
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF	
			Part No.	Type ¹⁾	Part No.	Type ¹⁾
Heat resistant seals up to 120 °C						
	32	10	159 852	DPZ-32-10-P-A-S6	–	–
		25	159 853	DPZ-32-25-P-A-S6		
		40	159 854	DPZ-32-40-P-A-S6		
		50	159 855	DPZ-32-50-P-A-S6		
		80	159 856	DPZ-32-80-P-A-S6		
		100	159 857	DPZ-32-100-P-A-S6		
S20 – Through, hollow piston rods						
	10	10	159 901	DPZ-10-10-P-A-S20	162 011	DPZ-10-10-P-A-KF-S20
		25	159 902	DPZ-10-25-P-A-S20	162 012	DPZ-10-25-P-A-KF-S20
		40	159 903	DPZ-10-40-P-A-S20	162 013	DPZ-10-40-P-A-KF-S20
		50	159 904	DPZ-10-50-P-A-S20	162 014	DPZ-10-50-P-A-KF-S20
	16	10	159 906	DPZ-16-10-P-A-S20	162 040	DPZ-16-10-P-A-KF-S20
		25	159 907	DPZ-16-25-P-A-S20	162 041	DPZ-16-25-P-A-KF-S20
		40	159 908	DPZ-16-40-P-A-S20	162 042	DPZ-16-40-P-A-KF-S20
		50	159 909	DPZ-16-50-P-A-S20	162 043	DPZ-16-50-P-A-KF-S20
		80	159 910	DPZ-16-80-P-A-S20	162 044	DPZ-16-80-P-A-KF-S20
		100	159 911	DPZ-16-100-P-A-S20	162 045	DPZ-16-100-P-A-KF-S20
	20	10	159 913	DPZ-20-10-P-A-S20	162 075	DPZ-20-10-P-A-KF-S20
		25	159 914	DPZ-20-25-P-A-S20	162 076	DPZ-20-25-P-A-KF-S20
		40	159 915	DPZ-20-40-P-A-S20	162 077	DPZ-20-40-P-A-KF-S20
		50	159 916	DPZ-20-50-P-A-S20	162 078	DPZ-20-50-P-A-KF-S20
		80	159 917	DPZ-20-80-P-A-S20	162 079	DPZ-20-80-P-A-KF-S20
		100	159 918	DPZ-20-100-P-A-S20	162 080	DPZ-20-100-P-A-KF-S20
	25	10	159 920	DPZ-25-10-P-A-S20	162 110	DPZ-25-10-P-A-KF-S20
		25	159 921	DPZ-25-25-P-A-S20	162 111	DPZ-25-25-P-A-KF-S20
		40	159 922	DPZ-25-40-P-A-S20	162 112	DPZ-25-40-P-A-KF-S20
		50	159 923	DPZ-25-50-P-A-S20	162 113	DPZ-25-50-P-A-KF-S20
		80	159 924	DPZ-25-80-P-A-S20	162 114	DPZ-25-80-P-A-KF-S20
		100	159 925	DPZ-25-100-P-A-S20	162 115	DPZ-25-100-P-A-KF-S20
	32	10	159 930	DPZ-32-10-P-A-S20	162 145	DPZ-32-10-P-A-KF-S20
		25	159 931	DPZ-32-25-P-A-S20	162 146	DPZ-32-25-P-A-KF-S20
		40	159 932	DPZ-32-40-P-A-S20	162 147	DPZ-32-40-P-A-KF-S20
		50	159 933	DPZ-32-50-P-A-S20	162 148	DPZ-32-50-P-A-KF-S20
		80	159 934	DPZ-32-80-P-A-S20	162 149	DPZ-32-80-P-A-KF-S20
		100	159 935	DPZ-32-100-P-A-S20	162 150	DPZ-32-100-P-A-KF-S20

1) 4 centring pins or sleeves are included in the scope of delivery.

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – Variants DPZJ with additional yoke						
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF	
			Part No.	Type ¹⁾	Part No.	Type ¹⁾
	10	10	159 940	DPZJ-10-10-P-A-S2	162 016	DPZJ-10-10-P-A-KF-S2
		25	159 941	DPZJ-10-25-P-A-S2	162 017	DPZJ-10-25-P-A-KF-S2
		40	159 942	DPZJ-10-40-P-A-S2	162 018	DPZJ-10-40-P-A-KF-S2
		50	159 943	DPZJ-10-50-P-A-S2	162 019	DPZJ-10-50-P-A-KF-S2
	16	10	159 945	DPZJ-16-10-P-A-S2	162 047	DPZJ-16-10-P-A-KF-S2
		25	159 946	DPZJ-16-25-P-A-S2	162 048	DPZJ-16-25-P-A-KF-S2
		40	159 947	DPZJ-16-40-P-A-S2	162 049	DPZJ-16-40-P-A-KF-S2
		50	159 948	DPZJ-16-50-P-A-S2	162 050	DPZJ-16-50-P-A-KF-S2
		80	159 949	DPZJ-16-80-P-A-S2	162 051	DPZJ-16-80-P-A-KF-S2
		100	159 950	DPZJ-16-100-P-A-S2	162 052	DPZJ-16-100-P-A-KF-S2
	20	10	159 952	DPZJ-20-10-P-A-S2	162 082	DPZJ-20-10-P-A-KF-S2
		25	159 953	DPZJ-20-25-P-A-S2	162 083	DPZJ-20-25-P-A-KF-S2
		40	159 954	DPZJ-20-40-P-A-S2	162 084	DPZJ-20-40-P-A-KF-S2
		50	159 955	DPZJ-20-50-P-A-S2	162 085	DPZJ-20-50-P-A-KF-S2
		80	159 956	DPZJ-20-80-P-A-S2	162 086	DPZJ-20-80-P-A-KF-S2
		100	159 957	DPZJ-20-100-P-A-S2	162 087	DPZJ-20-100-P-A-KF-S2
	25	10	159 959	DPZJ-25-10-P-A-S2	162 117	DPZJ-25-10-P-A-KF-S2
		25	159 960	DPZJ-25-25-P-A-S2	162 118	DPZJ-25-25-P-A-KF-S2
		40	159 961	DPZJ-25-40-P-A-S2	162 119	DPZJ-25-40-P-A-KF-S2
		50	159 962	DPZJ-25-50-P-A-S2	162 120	DPZJ-25-50-P-A-KF-S2
		80	159 963	DPZJ-25-80-P-A-S2	162 121	DPZJ-25-80-P-A-KF-S2
		100	159 964	DPZJ-25-100-P-A-S2	162 122	DPZJ-25-100-P-A-KF-S2
	32	10	159 969	DPZJ-32-10-P-A-S2	162 152	DPZJ-32-10-P-A-KF-S2
		25	159 970	DPZJ-32-25-P-A-S2	162 153	DPZJ-32-25-P-A-KF-S2
		40	159 971	DPZJ-32-40-P-A-S2	162 154	DPZJ-32-40-P-A-KF-S2
		50	159 972	DPZJ-32-50-P-A-S2	162 155	DPZJ-32-50-P-A-KF-S2
		80	159 973	DPZJ-32-80-P-A-S2	162 156	DPZJ-32-80-P-A-KF-S2
		100	159 974	DPZJ-32-100-P-A-S2	162 157	DPZJ-32-100-P-A-KF-S2

1) 4 centring pins or sleeves are included in the scope of delivery.

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – Variant DPZJ with additional yoke						
Type	Piston Ø [mm]	Stroke [mm]	Plain-bearing guide GF		Recirculating ball bearing guide KF	
			Part No.	Type ¹⁾	Part No.	Type ¹⁾
S20 – Through, hollow piston rods						
	10	10	159 979	DPZJ-10-10-P-A-S20	162 021	DPZJ-10-10-P-A-KF-S20
		25	159 980	DPZJ-10-25-P-A-S20	162 022	DPZJ-10-25-P-A-KF-S20
		40	159 981	DPZJ-10-40-P-A-S20	162 023	DPZJ-10-40-P-A-KF-S20
		50	159 982	DPZJ-10-50-P-A-S20	162 024	DPZJ-10-50-P-A-KF-S20
	16	10	159 984	DPZJ-16-10-P-A-S20	162 054	DPZJ-16-10-P-A-KF-S20
		25	159 985	DPZJ-16-25-P-A-S20	162 055	DPZJ-16-25-P-A-KF-S20
		40	159 986	DPZJ-16-40-P-A-S20	162 056	DPZJ-16-40-P-A-KF-S20
		50	159 987	DPZJ-16-50-P-A-S20	162 057	DPZJ-16-50-P-A-KF-S20
		80	159 988	DPZJ-16-80-P-A-S20	162 058	DPZJ-16-80-P-A-KF-S20
		100	159 989	DPZJ-16-100-P-A-S20	162 059	DPZJ-16-100-P-A-KF-S20
	20	10	159 991	DPZJ-20-10-P-A-S20	162 089	DPZJ-20-10-P-A-KF-S20
		25	159 992	DPZJ-20-25-P-A-S20	162 090	DPZJ-20-25-P-A-KF-S20
		40	159 993	DPZJ-20-40-P-A-S20	162 091	DPZJ-20-40-P-A-KF-S20
		50	159 994	DPZJ-20-50-P-A-S20	162 092	DPZJ-20-50-P-A-KF-S20
		80	159 995	DPZJ-20-80-P-A-S20	162 093	DPZJ-20-80-P-A-KF-S20
		100	159 996	DPZJ-20-100-P-A-S20	162 094	DPZJ-20-100-P-A-KF-S20
	25	10	159 998	DPZJ-25-10-P-A-S20	162 124	DPZJ-25-10-P-A-KF-S20
		25	159 999	DPZJ-25-25-P-A-S20	162 125	DPZJ-25-25-P-A-KF-S20
		40	160 000	DPZJ-25-40-P-A-S20	162 126	DPZJ-25-40-P-A-KF-S20
		50	160 001	DPZJ-25-50-P-A-S20	162 127	DPZJ-25-50-P-A-KF-S20
		80	160 002	DPZJ-25-80-P-A-S20	162 128	DPZJ-25-80-P-A-KF-S20
		100	160 003	DPZJ-25-100-P-A-S20	162 129	DPZJ-25-100-P-A-KF-S20
	32	10	160 008	DPZJ-32-10-P-A-S20	162 159	DPZJ-32-10-P-A-KF-S20
		25	160 009	DPZJ-32-25-P-A-S20	162 160	DPZJ-32-25-P-A-KF-S20
		40	160 010	DPZJ-32-40-P-A-S20	162 161	DPZJ-32-40-P-A-KF-S20
		50	160 011	DPZJ-32-50-P-A-S20	162 162	DPZJ-32-50-P-A-KF-S20
		80	160 012	DPZJ-32-80-P-A-S20	162 163	DPZJ-32-80-P-A-KF-S20
		100	160 013	DPZJ-32-100-P-A-S20	162 164	DPZJ-32-100-P-A-KF-S20

1) 4 centring pins or sleeves are included in the scope of delivery.

Twin cylinders DPZ/DPZJ

Accessories

FESTO

Ordering data – Proximity sensors for T-slot, magneto-resistive							Technical data➔ 1 / 10.2-13	
	Mounting	Switch output	Electrical connection			Cable length [m]	Part No.	Type
			Cable	M8 plug	M12 plug			
NO contact								
	Insertable from above	PNP	3-core	–	–	2.5	525 898	SMT-8F-PS-24V-K2,5-OE
		NPN					525 909	SMT-8F-NS-24V-K2,5-OE
		–	2-core	–	–	2.5	525 908	SMT-8F-ZS-24V-K2,5-OE
		PNP	–	3-pin	–	0.3	525 899	SMT-8F-PS-24V-K0,3-M8D
		NPN					525 910	SMT-8F-NS-24V-K0,3-M8D
		PNP	–	–	3-pin	0.3	525 900	SMT-8F-PS-24V-K0,3-M12
	Insertable from end, flush with the cylinder profile	PNP	3-core	–	–	2.5	175 436	SMT-8-PS-K-LED-24-B
		–	3-pin	–	0.3	175 484	SMT-8-PS-S-LED-24-B	
NC contact								
	Insertable from above	PNP	3-core	–	–	7.5	525 911	SMT-8F-PO-24V-K7,5-OE

Ordering data – Proximity sensors for T-slot, magnetic reed						Technical data➔1 / 10.2-18	
	Mounting	Electrical connection		Cable length [m]	Part No.	Type	
		Cable	M8 plug				
NO contact							
	Insertable from above	3-core	–	2.5	525 895	SME-8F-DS-24V-K2,5-OE	
				5.0	525 897	SME-8F-DS-24V-K5,0-OE	
		2-core	–	2.5	525 907	SME-8F-ZS-24V-K2,5-OE	
		–	3-pin	0.3	525 896	SME-8F-DS-24V-K0,3-M8D	
	Insertable from end, flush with the cylinder profile	3-core	–	2.5	150 855	SME-8-K-LED-24	
		–	3-pin	0.3	150 857	SME-8-S-LED-24	
NC contact							
	Insertable from end, flush with the cylinder profile	3-wire	–	7.5	160 251	SME-8-O-K-LED-24	

Ordering data – Plug sockets with cable							Technical data➔ 1 / 10.2-114	
	Mounting	Switch output		Connection	Cable length [m]	Part No.	Type	
		PNP	NPN					
Straight socket								
	M8 union nut	■	■	3-pin	2.5	159 420	SIM-M8-3GD-2,5-PU	
					5	159 421	SIM-M8-3GD-5-PU	
	M12 union nut	■	■	3-pin	2.5	159 428	SIM-M12-3GD-2,5-PU	
					5	159 429	SIM-M12-3GD-5-PU	
Angled socket								
	M8 union nut	■	■	3-pin	2.5	159 422	SIM-M8-3WD-2,5-PU	
					5	159 423	SIM-M8-3WD-5-PU	
	M12 union nut	■	■	3-pin	2.5	159 430	SIM-M12-3WD-2,5-PU	
					5	159 431	SIM-M12-3WD-5-PU	

Ordering data – Slot cover for T-slot				
	Mounting	Length	Part No.	Type
	Insertable from above	2x 0.5 m	151 680	ABP-5-S

Twin cylinders DPZ/DPZJ

Technical data

FESTO

Ordering data – One-way flow control valves				Technical data → Volume 2	
	Connection	For tubing O.D.	Material	Part No.	Type
	Thread				
	M5	3	Metal design	193 137	GRLA-M5-QS-3-D
		4		193 138	GRLA-M5-QS-4-D
		6		193 139	GRLA-M5-QS-6-D
	G1/8	3		193 142	GRLA-1/8-QS-3-D
		4		193 143	GRLA-1/8-QS-4-D
		6		193 144	GRLA-1/8-QS-6-D
		8		193 145	GRLA-1/8-QS-8-D

Ordering data – Accessories					
	For Ø [mm]	Material	Part No.	Type	PE ¹⁾
Centring pin ZBS			Technical data➔ 1 / 10.1-18		
	10, 16	Stainless steel	150 928	ZBS-5	10
		Free of copper, PTFE and silicone			
Centring sleeve ZBH			Technical data➔ 1 / 10.1-18		
	20, 25, 30	Stainless steel	150 927	ZBH-9	10
		Free of copper, PTFE and silicone			

1) Packaging unit quantity