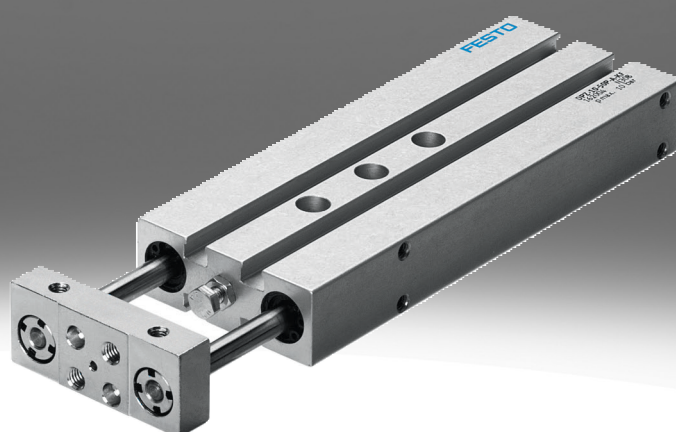


Twin cylinder DPZ

FESTO



Characteristics

At a glance

- High force with excellent protection against rotation
- Twice the force in half the space
- 100 to 1000 N thrust at an operating pressure of 6 bar
- Load capacity F_q from 8 to 105 N
- Permissible torque resistance (ML), with an impact centrically from 0.1 to 3 Nm

Precision stroke adjustment

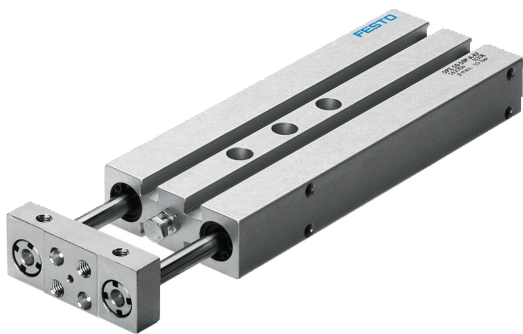
- Standard screw with lock nut enables standard strokes to be adjusted within a range of 10 mm

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

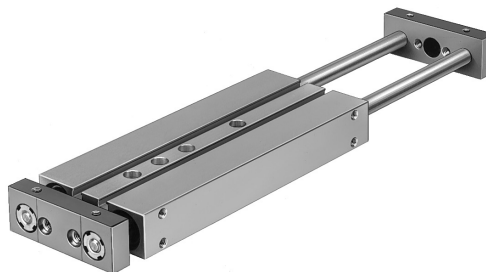
www.festo.com/catalogue/dpz

Series

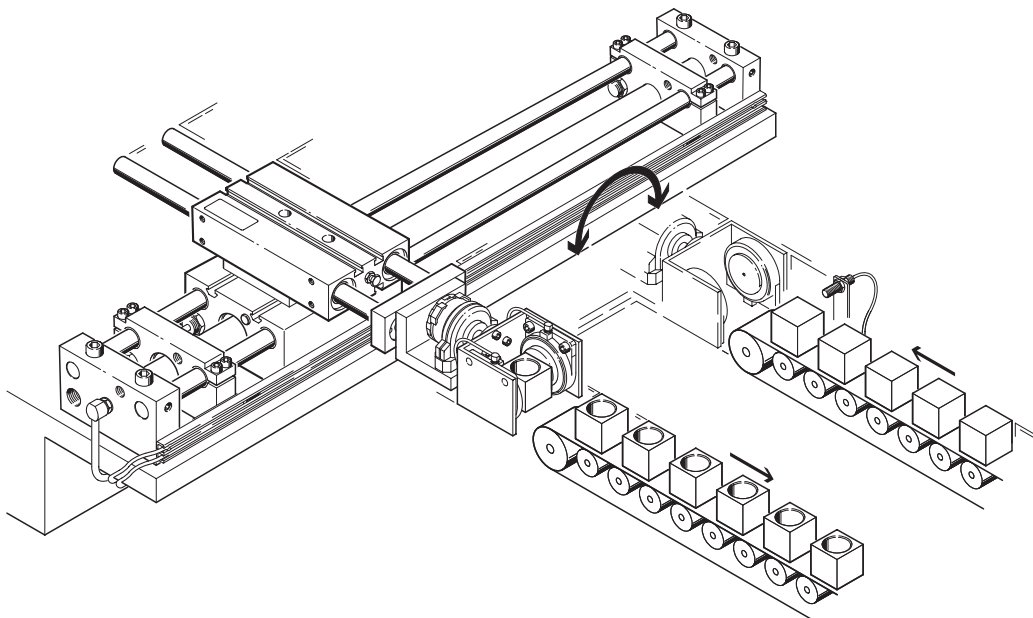
[DPZ] Double piston cylinder with one end plate, double-acting



[DPZJ] Double piston cylinder with through piston rod and two end plates, double-acting



Application example



Type code

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 [mm]	
10	10	
16	16	
20	20	
25	25	
32	32	

003	Stroke [mm]	
...	10 ... 100	

004	Cushioning	
P	Elastic cushioning rings/plates on both sides	

005	Position sensing	
A	For proximity sensor	

006	Guide	
	Plain-bearing guide	
KF	Recirculating ball bearing guide	

007	Piston rod type	
	At one end	
S2	Through piston rod	

Datasheet

General technical data

Piston diameter	10 mm	16 mm	20 mm	25 mm	32 mm
Mode of operation	Double-acting				
Design	Guidance				
Guide	Plain-bearing guide, Recirculating ball bearing guide				
Operating mode, drive unit	Yoke				
Distance from centre of gravity of load to yoke plate xs	0 mm				
Adjustable end-position range/length	10 mm				
Cushioning	Elastic cushioning rings/plates at both ends				
Position detection	Via proximity switch				
Mounting position	Any				

Operating and environmental conditions

Piston diameter	10 mm	16 mm	20 mm	25 mm	32 mm
Operating pressure	0.25 ... 1 MPa	0.1 ... 1 MPa			
Operating pressure	35 ... 145 psi	13.8 ... 145 psi			
Operating pressure	2.5 ... 10 bar	1 ... 10 bar			
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]				
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)				
Ambient temperature	-20 ... 80°C				
Corrosion resistance class CRC ¹⁾	0 - No corrosion stress, 2 - Moderate corrosion stress				

1) DPZ-...-KF: CRC=0

More information www.festo.com/x/topic/crc

Max. payload DPZ-10/-16, DPZJ-10/-16

Piston diameter	10 mm				16 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Max. effective load dependent upon stroke at defined distance xs	8 N	6 N	5 N	4 N	21 N	16 N	13 N	12 N	9 N	8 N

Max. payload DPZ-20/-25, DPZJ-20/-25

Piston diameter	20 mm						25 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Max. effective load dependent upon stroke at defined distance xs	28 N	22 N	18 N	17 N	13 N	11 N	43 N	34 N	28 N	25 N	19 N	16 N

Max. payload DPZ-32, DPZJ-32

Piston diameter	32 mm											
Stroke	10 mm		25 mm		40 mm		50 mm		80 mm		100 mm	
Max. effective load dependent upon stroke at defined distance xs	104 N		85 N		72 N		65 N		51 N		45 N	

Forces and impact energy for DPZ-...

Piston diameter	10 mm	16 mm	20 mm	25 mm	32 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	94 N	242 N	376 N	590 N	966 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	60 N	180 N	282 N	452 N	724 N
Impact energy in end positions	0.08 Nm	0.15 Nm	0.2 Nm	0.3 Nm	0.5 Nm

Datasheet

Forces and impact energy for DPZ-...-S2 and DPZJ-...

Piston diameter	10 mm	16 mm	20 mm	25 mm	32 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	60 N	180 N	282 N	452 N	724 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	60 N	180 N	282 N	452 N	724 N
Impact energy in end positions	0.08 Nm	0.15 Nm	0.2 Nm	0.3 Nm	0.5 Nm

Weight for DPZ-10/-16 with plain-bearing guide

Piston diameter	10 mm				16 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Product weight	257 g	291 g	325 g	348 g	416 g	456 g	496 g	523 g	603 g	657 g

Weight for DPZ-10/-16 with recirculating ball bearing guide

Piston diameter	10 mm				16 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Product weight	266 g	300 g	334 g	357 g	395 g	435 g	475 g	502 g	582 g	636 g

Weight for DPZ-20/-25 with plain-bearing guide

Piston diameter	20 mm						25 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Product weight	607 g	666 g	725 g	764 g	882 g	960 g	891 g	971 g	1,052 g	1,105 g	1,265 g	1,372 g

Weight for DPZ-20/-25 with recirculating ball bearing guide

Piston diameter	20 mm						25 mm					
Stroke	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm	10 mm	25 mm	40 mm	50 mm	80 mm	100 mm
Product weight	561 g	620 g	679 g	718 g	836 g	914 g	795 g	875 g	955 g	1,009 g	1,169 g	1,276 g

Weight for DPZ-32 with plain-bearing guide

Piston diameter	32 mm											
Stroke	10 mm		25 mm		40 mm		50 mm		80 mm		100 mm	
Product weight	1,473 g		1,598 g		1,723 g		1,806 g		2,057 g		2,223 g	

Weight for DPZ-32 with recirculating ball bearing guide

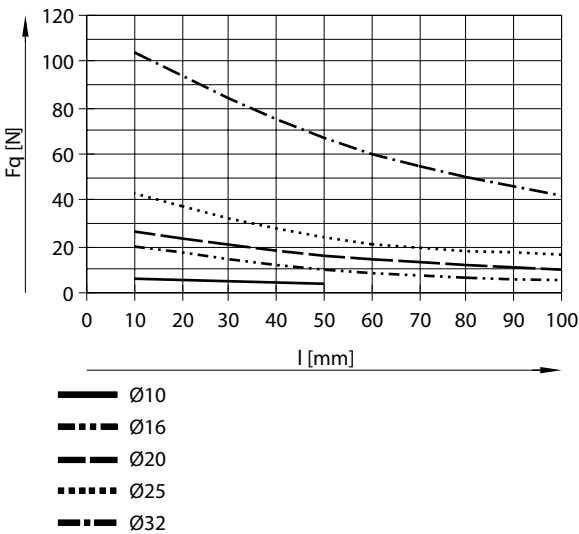
Piston diameter	32 mm											
Stroke	10 mm		25 mm		40 mm		50 mm		80 mm		100 mm	
Product weight	1,283 g		1,408 g		1,533 g		1,617 g		1,867 g		2,034 g	

Materials

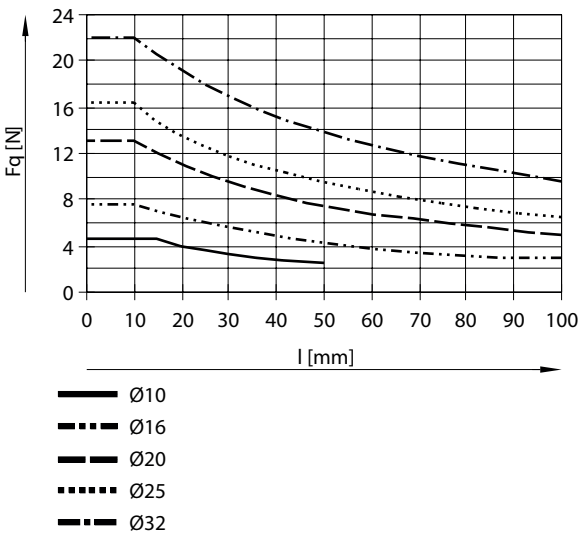
Material cover	Wrought aluminium alloy											
Material piston rod	Case-hardened steel, High-alloy stainless steel											
Material housing	Wrought aluminium alloy											
Material seals	NBR											
RoHS status	RoHS compliant in accordance with EU directive, Not RoHS-compliant											

Datasheet

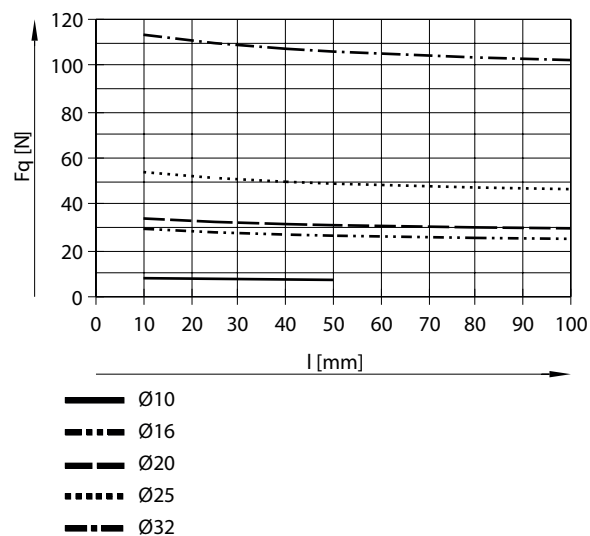
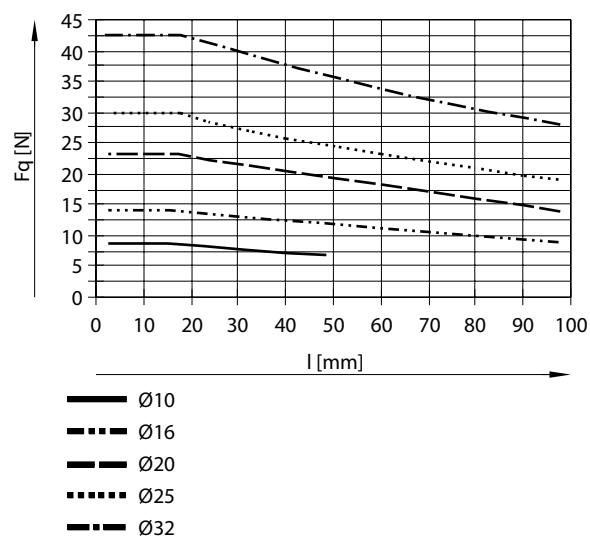
Perm. lateral force F as a function of stroke L - Through piston rod - plain-bearing guide



Permissible lateral force F as a function of stroke L – Piston rod at one end – Recirculating ball bearing guide

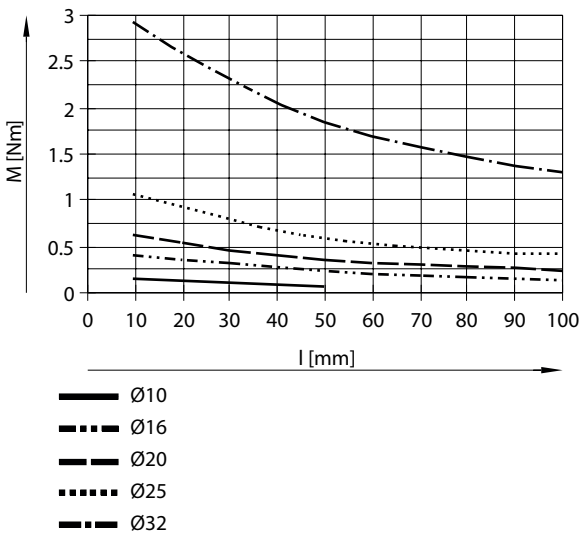


Datasheet

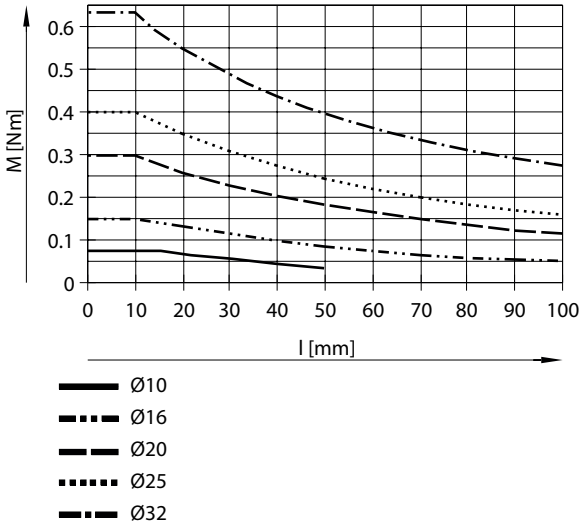
Permissible lateral force F as a function of stroke L - Through piston rod - plain-bearing guidePermissible transverse load F as a function of stroke L - Through piston rod - Recirculating ball bearing guide

Datasheet

Permissible torque M as a function of stroke L - Piston rod at one end - Plain-bearing guide

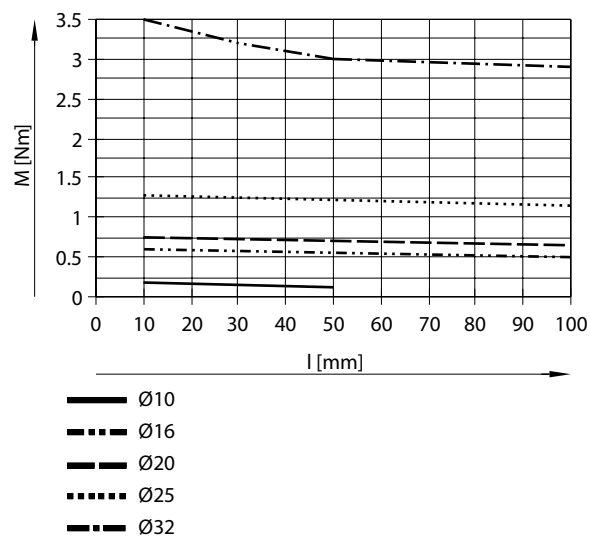


Permissible torque M as a function of stroke L - Piston rod at one end - Recirculating ball bearing guide

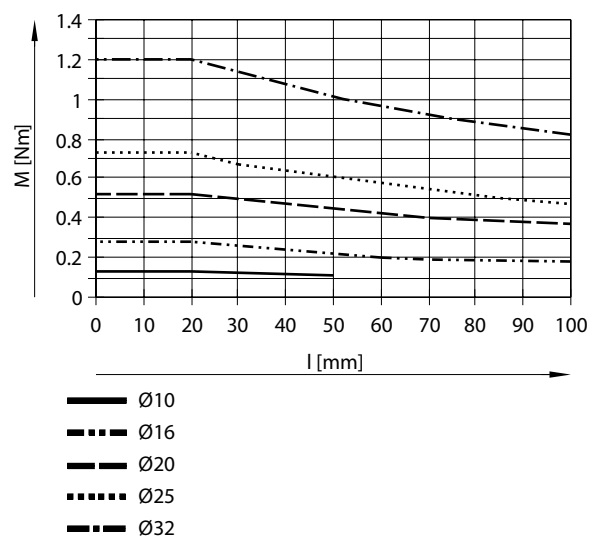


Datasheet

Perm. lateral force M as a function of stroke L - Through piston rod - plain-bearing guide



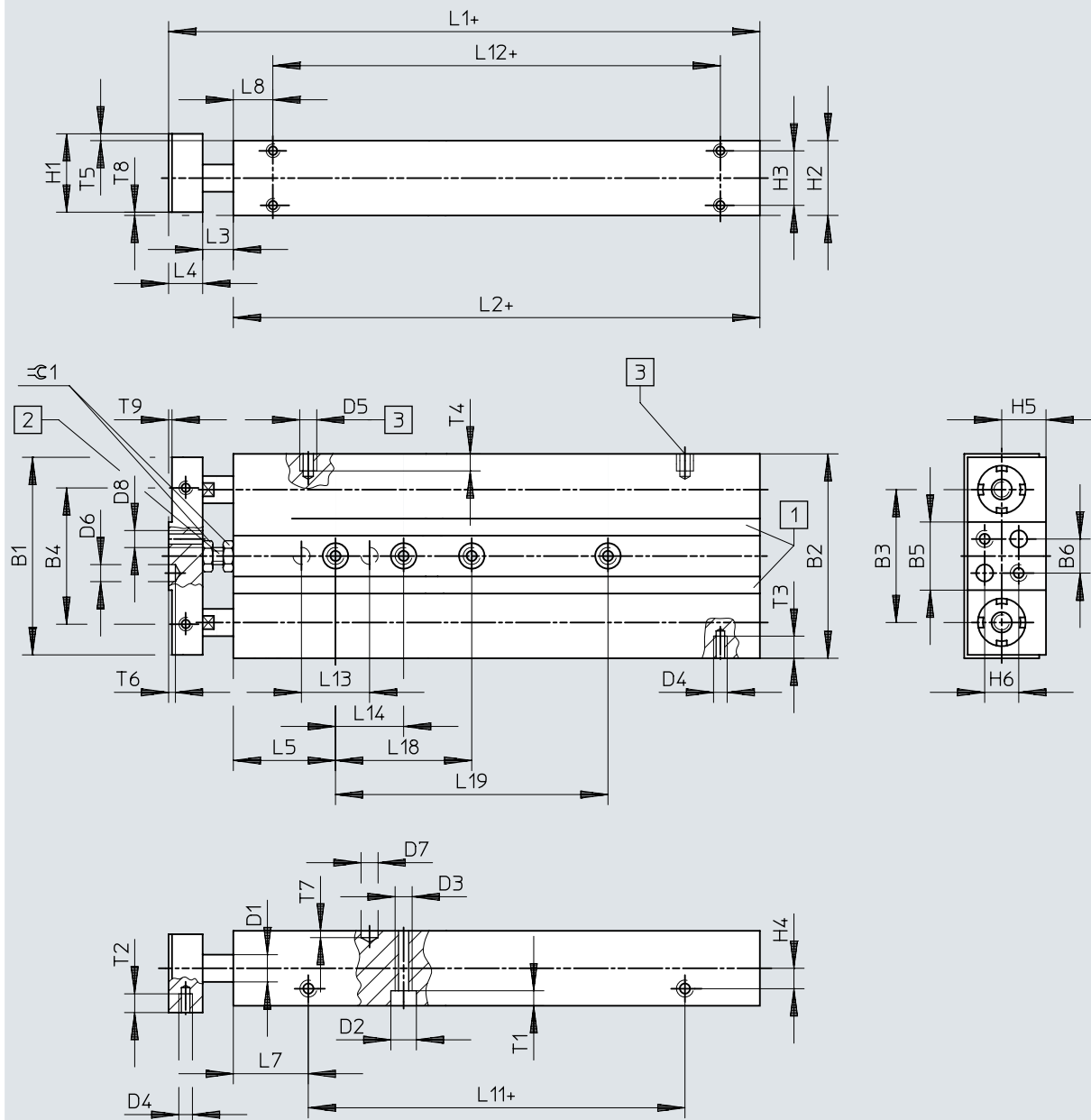
Permissible torque M as a function of stroke L - Through piston rod - Recirculating ball bearing guide



Dimensions

Dimensions – DPZ-10/-16 – with one end plate

Download CAD data www.festo.com



- [1] Mounting slot for proximity switch
- [2] Stop screw for stroke adjustment (max. 10 mm)
- [3] Compressed air supply port
- [4] + = plus stroke length

Dimensions

	B1	B2	B3	B4	D1 Ø	D2 Ø	D3 Ø	D4	D5	H1	H2	H3	H4	H5	L1		L2	
															GF	KF	GF	KF
DPZ/DPZJ-10	48	50	33	28	6	7,5	M5	M4	M5	20	19	13	4,5	11,5	89,6	100	71,6	82
DPZ/DPZJ-16	58	60	39	40	8	7,5	M5	M4	M5	23	22	16	6	13	93,6	107	74,6	88

	L3	L4	L5	L7		L8		L11		L12 ±0,2		T1	T2	T3	T4	≈G1
				GF	KF	GF	KF	GF	KF	GF	KF					
DPZ/DPZJ-10	8	10	30	23,4	40,7	13,1	30,8	24,8	24,4	45,4	44,2	4,4	6	5	5	7
DPZ/DPZJ-16	9	10	30	22	38,9	11,6	25,5	30,6	30,6	51,4	54,4	4,4	5,5	6,5	5	8

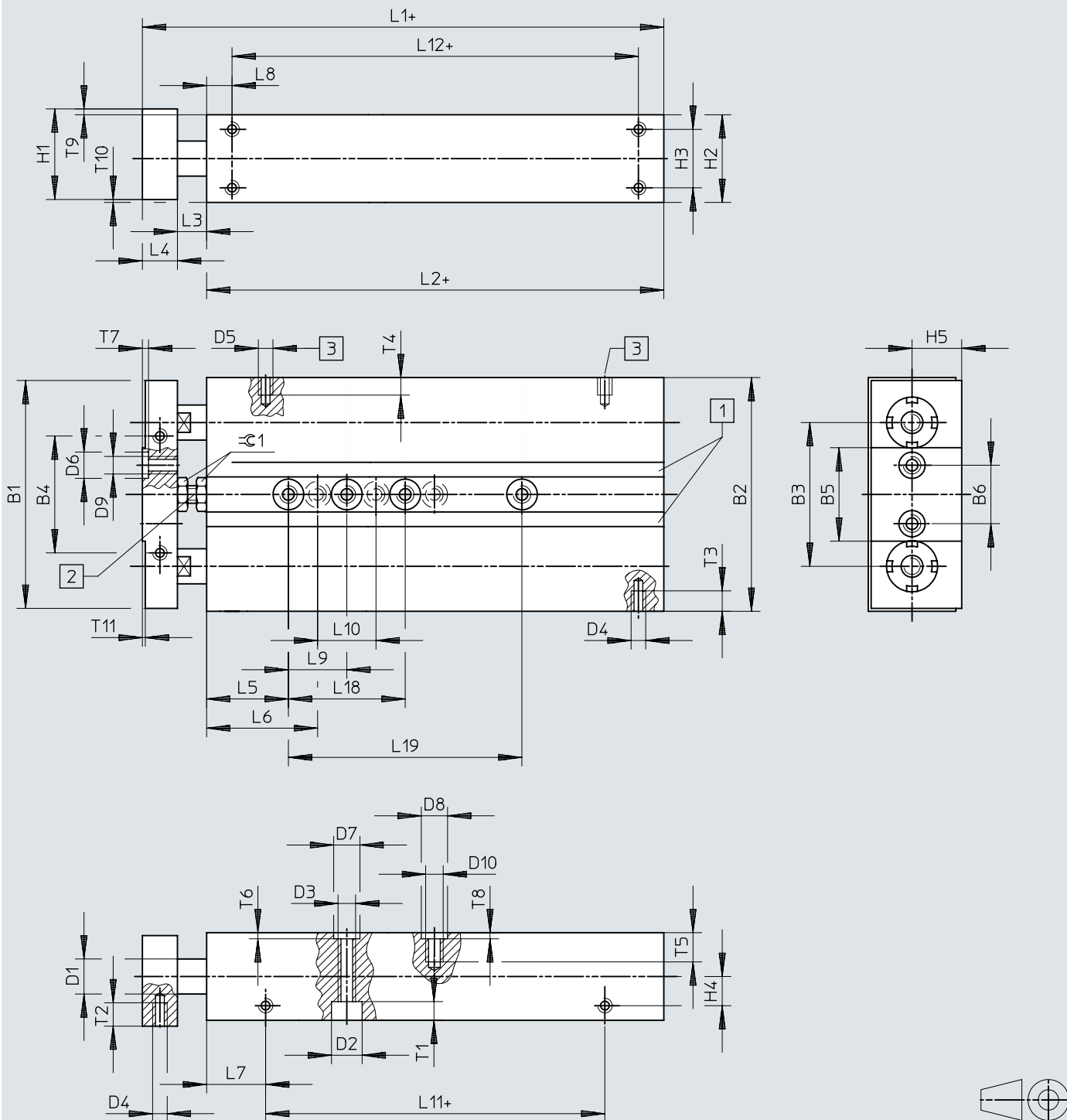
	L1 ¹⁾	L18 ±0,03		L19 ±0,03	
DPZ/DPZJ	10	—		—	
	25	—		—	
	40	40		—	
	50	40		—	
	80	40		80	
	100	40		80	

1) Stroke

Dimensions

Dimensions – DPZ-20/-25/-32 – with one end plate

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- [1] Mounting slot for proximity switch
- [2] Stop screw for stroke adjustment (max. 10 mm)
- [3] Compressed air supply port
- [4] + = plus stroke length

Dimensions

	B1	B2	B3	B4	B5	D1 Ø	D2 Ø	D3 Ø	D4	D5	H1	H2	H3	H4	H5	L1		L2	
																GF	KF	GF	KF
DPZ/DPZJ-20	70	72	45,6	40	32	10	9	M6	M5	M5	25	24	16	7	14	98,6	115	76,6	93
DPZ/DPZJ-25	78	80	49,2	40	32	12	10,5	6,4	M5	M5	31	30	20	10	17	98,6	116	76,6	94
DPZ/DPZJ-32	96	98	57	40	35	16	10,5	6,4	M6	G1/8	39	38	26	11,5	21	110,1	130	80,1	100

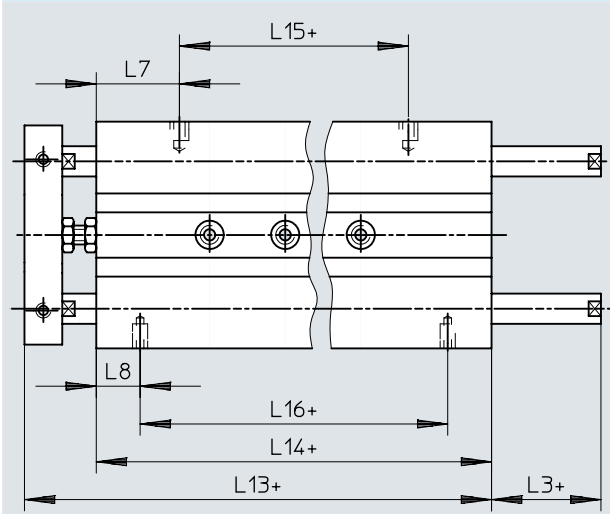
	L3	L4	L5	L6	L7		L8		L11		L12 ±0,2		T1	T2	T3	T4	≈G1
					GF	KF	GF	KF	GF	KF	GF	KF					
DPZ/DPZJ-20	10	12	30	–	22,8	43,4	12,9	33,5	31	30,7	50,8	50,5	5,7	6,5	7	6	10
DPZ/DPZJ-25	10	12	28	38	20,2	40	8,7	28,8	36,2	33,8	59,2	56,5	6,4	8	7	6	10
DPZ/DPZJ-32	15	15	35	45	25	44,9	10	26	30,1	30,1	60,1	64	6,4	8	9	9	10

	L1 ¹⁾	L18 ±0,03	L19 ±0,03
DPZ/DPZJ	10	–	–
	25	–	–
	40	40	–
	50	40	–
	80	40	80
	100	40	80

1) Stroke

Dimensions

Dimensions – DPZ-10/-16-...-S2 – with one end plate and through piston rod Download CAD data www.festo.com



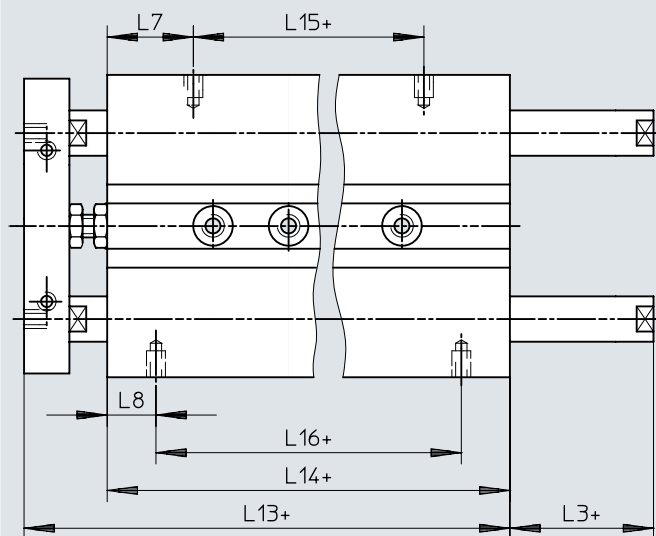
[1] += plus stroke length

	L3	L7		L8		L13		L14		L15		L16 ±0,2	
		GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF
DPZ/DPZJ-10	8	23,4	40,7	13,1	30,8	89,6	124	71,6	106	24,8	24,7	45,4	44,4
DPZ/DPZJ-16	9	22	38,9	11,6	25,5	93,6	127,4	74,6	108,4	30,6	30,6	51,4	57,4

Dimensions

Dimensions – DPZ-20/-25/-32-...-S2 – with one end plate and through piston rod

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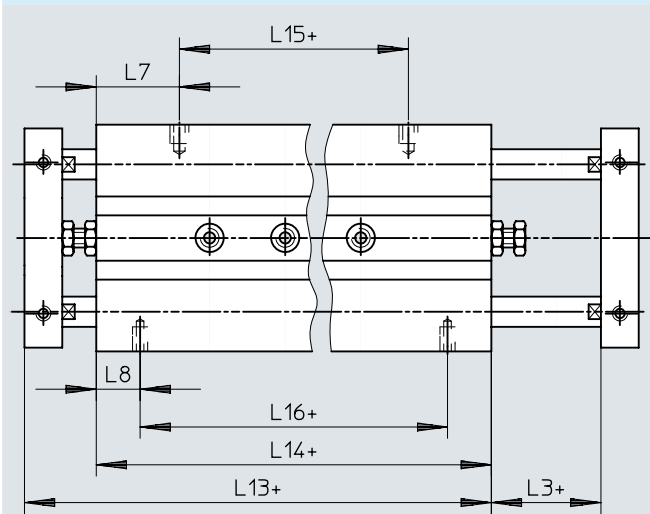
[1] += plus stroke length

	L3	L7		L8		L13		L14		L15		L16 ±0,2	
		GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF
DPZ/DPZJ-20	10	22,8	43,4	12,9	33,5	98,6	139,2	76,6	117,2	31	30,4	50,8	50,2
DPZ/DPZJ-25	10	20,2	40	8,7	28,8	98,6	135	76,6	113	36,2	33	59,2	55,4
DPZ/DPZJ-32	15	25	44,9	10	26	110,1	149,9	80,1	119,9	30,1	30,1	60,1	67,9

Dimensions

Dimensions – DPZJ-10/-16-...-S2 – with two end plates and through piston rod

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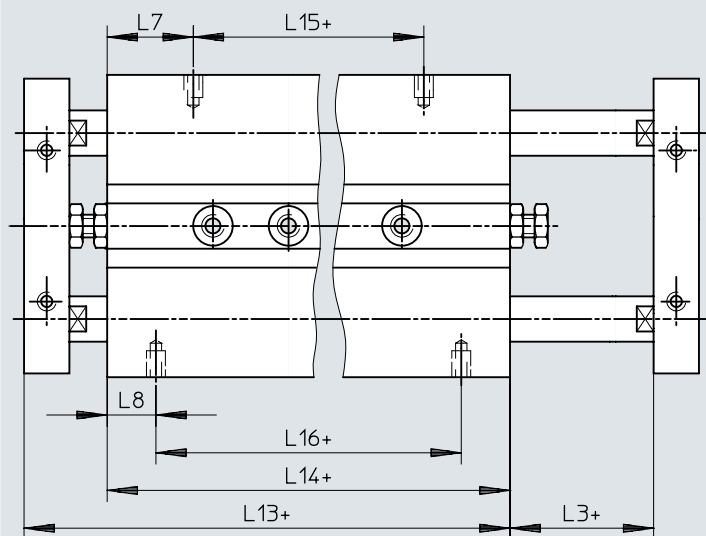
[1] += plus stroke length

	L3	L7		L8		L13		L14		L15		L16 ±0,2	
		GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF
DPZ/DPZJ-10	8	23,4	40,7	13,1	30,8	89,6	124	71,6	106	24,8	24,7	45,4	44,4
DPZ/DPZJ-16	9	22	38,9	11,6	25,5	93,6	127,4	74,6	108,4	30,6	30,6	51,4	57,4

Dimensions

Dimensions – DPZJ-20/-25/-32-...-S2 – with two end plates and through piston rod

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[1] += plus stroke length

	L3	L7		L8		L13		L14		L15		L16 ±0,2	
		GF	KF	GF	KF	GF	KF	GF	KF	GF	KF	GF	KF
DPZ/DPZJ-20	10	22,8	43,4	12,9	33,5	98,6	139,2	76,6	117,2	31	30,4	50,8	50,2
DPZ/DPZJ-25	10	20,2	40	8,7	28,8	98,6	135	76,6	113	36,2	33	59,2	55,4
DPZ/DPZJ-32	15	25	44,9	10	26	110,1	149,9	80,1	119,9	30,1	30,1	60,1	67,9

Ordering data

DPZ – with one end plate				
Piston diameter	Stroke	Guide	Part no.	Type
10 mm	10 mm	Plain-bearing guide	32681	DPZ-10-10-P-A
		Recirculating ball bearing guide	162001	DPZ-10-10-P-A-KF
	25 mm	Plain-bearing guide	32682	DPZ-10-25-P-A
		Recirculating ball bearing guide	162002	DPZ-10-25-P-A-KF
	40 mm	Plain-bearing guide	32683	DPZ-10-40-P-A
		Recirculating ball bearing guide	162003	DPZ-10-40-P-A-KF
	50 mm	Plain-bearing guide	32684	DPZ-10-50-P-A
		Recirculating ball bearing guide	162004	DPZ-10-50-P-A-KF
16 mm	10 mm	Plain-bearing guide	32686	DPZ-16-10-P-A
		Recirculating ball bearing guide	162026	DPZ-16-10-P-A-KF
	25 mm	Plain-bearing guide	32687	DPZ-16-25-P-A
		Recirculating ball bearing guide	162027	DPZ-16-25-P-A-KF
	40 mm	Plain-bearing guide	32688	DPZ-16-40-P-A
		Recirculating ball bearing guide	162028	DPZ-16-40-P-A-KF
	50 mm	Plain-bearing guide	32689	DPZ-16-50-P-A
		Recirculating ball bearing guide	162029	DPZ-16-50-P-A-KF
	80 mm	Plain-bearing guide	32690	DPZ-16-80-P-A
		Recirculating ball bearing guide	162030	DPZ-16-80-P-A-KF
20 mm	10 mm	Plain-bearing guide	32693	DPZ-20-10-P-A
		Recirculating ball bearing guide	162061	DPZ-20-10-P-A-KF
	25 mm	Plain-bearing guide	32694	DPZ-20-25-P-A
		Recirculating ball bearing guide	162062	DPZ-20-25-P-A-KF
	40 mm	Plain-bearing guide	32695	DPZ-20-40-P-A
		Recirculating ball bearing guide	162063	DPZ-20-40-P-A-KF
	50 mm	Plain-bearing guide	32696	DPZ-20-50-P-A
		Recirculating ball bearing guide	162064	DPZ-20-50-P-A-KF
	80 mm	Plain-bearing guide	32697	DPZ-20-80-P-A
		Recirculating ball bearing guide	162065	DPZ-20-80-P-A-KF
25 mm	10 mm	Plain-bearing guide	32700	DPZ-25-10-P-A
		Recirculating ball bearing guide	162096	DPZ-25-10-P-A-KF
	25 mm	Plain-bearing guide	32701	DPZ-25-25-P-A
		Recirculating ball bearing guide	162097	DPZ-25-25-P-A-KF
	40 mm	Plain-bearing guide	32702	DPZ-25-40-P-A
		Recirculating ball bearing guide	162098	DPZ-25-40-P-A-KF
	50 mm	Plain-bearing guide	32703	DPZ-25-50-P-A
		Recirculating ball bearing guide	162099	DPZ-25-50-P-A-KF
	80 mm	Plain-bearing guide	32704	DPZ-25-80-P-A
		Recirculating ball bearing guide	162100	DPZ-25-80-P-A-KF
32 mm	10 mm	Plain-bearing guide	32705	DPZ-25-100-P-A
		Recirculating ball bearing guide	162101	DPZ-25-100-P-A-KF
	25 mm	Plain-bearing guide	159817	DPZ-32-10-P-A
		Recirculating ball bearing guide	162131	DPZ-32-10-P-A-KF
	40 mm	Plain-bearing guide	159818	DPZ-32-25-P-A
		Recirculating ball bearing guide	162132	DPZ-32-25-P-A-KF
	50 mm	Plain-bearing guide	159819	DPZ-32-40-P-A
		Recirculating ball bearing guide	162133	DPZ-32-40-P-A-KF
	80 mm	Plain-bearing guide	159820	DPZ-32-50-P-A
		Recirculating ball bearing guide	162134	DPZ-32-50-P-A-KF
	100 mm	Plain-bearing guide	159821	DPZ-32-80-P-A
		Recirculating ball bearing guide	162135	DPZ-32-80-P-A-KF
		Plain-bearing guide	159822	DPZ-32-100-P-A
		Recirculating ball bearing guide	162136	DPZ-32-100-P-A-KF

Ordering data

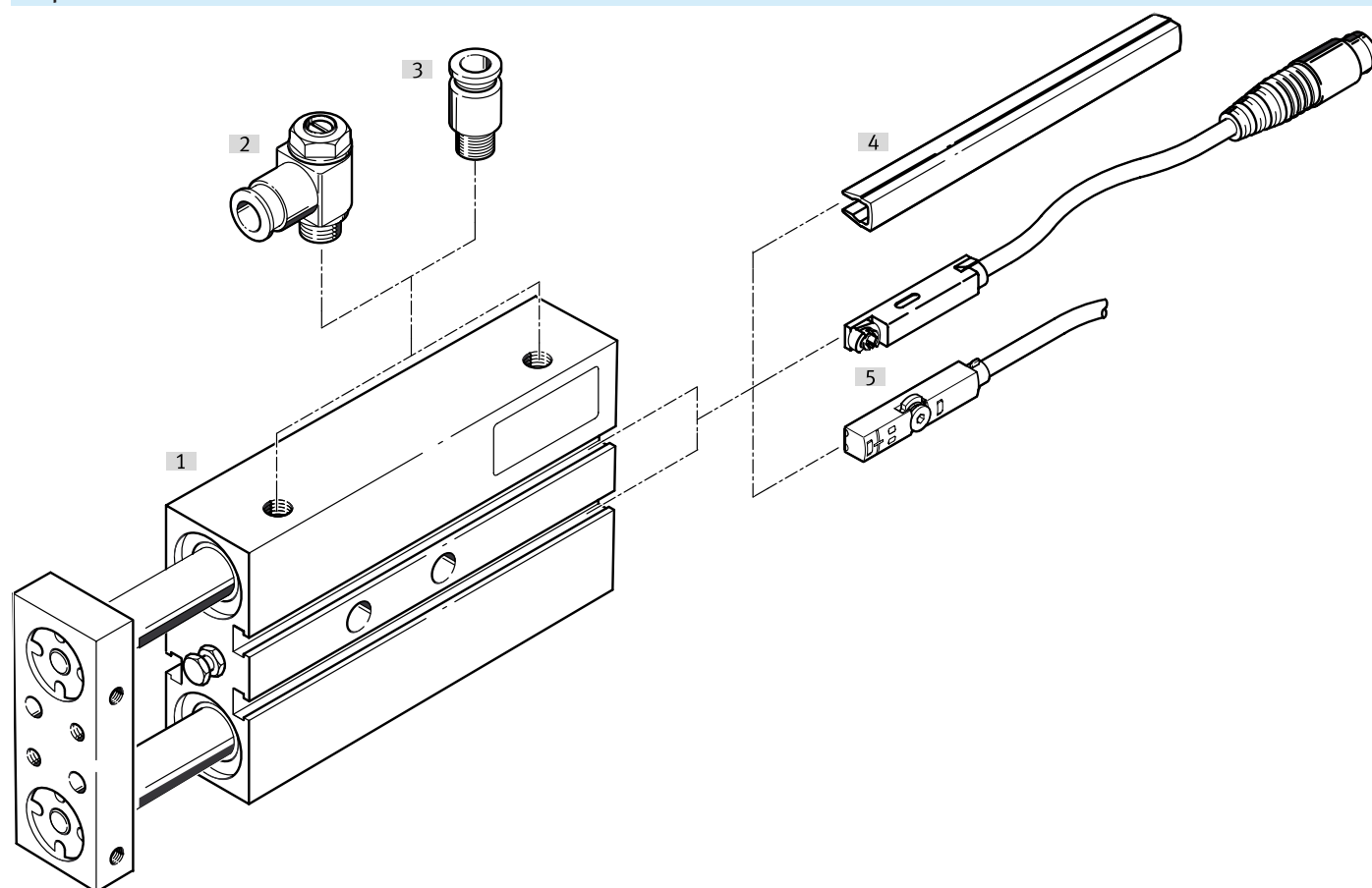
DPZ-...-S2 - with an end plate and through piston rod				
Piston diameter	Stroke	Guide	Part no.	Type
10 mm	10 mm	Plain-bearing guide	159862	DPZ-10-10-P-A-S2
		Recirculating ball bearing guide	162006	DPZ-10-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159863	DPZ-10-25-P-A-S2
		Recirculating ball bearing guide	162007	DPZ-10-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159864	DPZ-10-40-P-A-S2
		Recirculating ball bearing guide	162008	DPZ-10-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159865	DPZ-10-50-P-A-S2
		Recirculating ball bearing guide	162009	DPZ-10-50-P-A-KF-S2
16 mm	10 mm	Plain-bearing guide	159867	DPZ-16-10-P-A-S2
		Recirculating ball bearing guide	162033	DPZ-16-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159868	DPZ-16-25-P-A-S2
		Recirculating ball bearing guide	162034	DPZ-16-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159869	DPZ-16-40-P-A-S2
		Recirculating ball bearing guide	162035	DPZ-16-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159870	DPZ-16-50-P-A-S2
		Recirculating ball bearing guide	162036	DPZ-16-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159871	DPZ-16-80-P-A-S2
		Recirculating ball bearing guide	162037	DPZ-16-80-P-A-KF-S2
20 mm	10 mm	Plain-bearing guide	159874	DPZ-20-10-P-A-S2
		Recirculating ball bearing guide	162068	DPZ-20-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159875	DPZ-20-25-P-A-S2
		Recirculating ball bearing guide	162069	DPZ-20-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159876	DPZ-20-40-P-A-S2
		Recirculating ball bearing guide	162070	DPZ-20-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159877	DPZ-20-50-P-A-S2
		Recirculating ball bearing guide	162071	DPZ-20-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159878	DPZ-20-80-P-A-S2
		Recirculating ball bearing guide	162072	DPZ-20-80-P-A-KF-S2
25 mm	10 mm	Plain-bearing guide	159881	DPZ-25-10-P-A-S2
		Recirculating ball bearing guide	162103	DPZ-25-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159882	DPZ-25-25-P-A-S2
		Recirculating ball bearing guide	162104	DPZ-25-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159883	DPZ-25-40-P-A-S2
		Recirculating ball bearing guide	162105	DPZ-25-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159884	DPZ-25-50-P-A-S2
		Recirculating ball bearing guide	162106	DPZ-25-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159885	DPZ-25-80-P-A-S2
		Recirculating ball bearing guide	162107	DPZ-25-80-P-A-KF-S2
32 mm	10 mm	Plain-bearing guide	159891	DPZ-32-10-P-A-S2
		Recirculating ball bearing guide	162138	DPZ-32-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159892	DPZ-32-25-P-A-S2
		Recirculating ball bearing guide	162139	DPZ-32-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159893	DPZ-32-40-P-A-S2
		Recirculating ball bearing guide	162140	DPZ-32-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159894	DPZ-32-50-P-A-S2
		Recirculating ball bearing guide	162141	DPZ-32-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159895	DPZ-32-80-P-A-S2
		Recirculating ball bearing guide	162142	DPZ-32-80-P-A-KF-S2
	100 mm	Plain-bearing guide	159896	DPZ-32-100-P-A-S2
		Recirculating ball bearing guide	162143	DPZ-32-100-P-A-KF-S2

Ordering data

DPZJ-....S2 – with two end plates and through piston rod				
Piston diameter	Stroke	Guide	Part no.	Type
10 mm	10 mm	Plain-bearing guide	159940	DPZJ-10-10-P-A-S2
		Recirculating ball bearing guide	162016	DPZJ-10-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159941	DPZJ-10-25-P-A-S2
		Recirculating ball bearing guide	162017	DPZJ-10-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159942	DPZJ-10-40-P-A-S2
		Recirculating ball bearing guide	162018	DPZJ-10-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159943	DPZJ-10-50-P-A-S2
		Recirculating ball bearing guide	162019	DPZJ-10-50-P-A-KF-S2
16 mm	10 mm	Plain-bearing guide	159945	DPZJ-16-10-P-A-S2
		Recirculating ball bearing guide	162047	DPZJ-16-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159946	DPZJ-16-25-P-A-S2
		Recirculating ball bearing guide	162048	DPZJ-16-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159947	DPZJ-16-40-P-A-S2
		Recirculating ball bearing guide	162049	DPZJ-16-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159948	DPZJ-16-50-P-A-S2
		Recirculating ball bearing guide	162050	DPZJ-16-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159949	DPZJ-16-80-P-A-S2
		Recirculating ball bearing guide	162051	DPZJ-16-80-P-A-KF-S2
20 mm	10 mm	Plain-bearing guide	159952	DPZJ-20-10-P-A-S2
		Recirculating ball bearing guide	162082	DPZJ-20-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159953	DPZJ-20-25-P-A-S2
		Recirculating ball bearing guide	162083	DPZJ-20-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159954	DPZJ-20-40-P-A-S2
		Recirculating ball bearing guide	162084	DPZJ-20-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159955	DPZJ-20-50-P-A-S2
		Recirculating ball bearing guide	162085	DPZJ-20-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159956	DPZJ-20-80-P-A-S2
		Recirculating ball bearing guide	162086	DPZJ-20-80-P-A-KF-S2
25 mm	10 mm	Plain-bearing guide	159959	DPZJ-25-10-P-A-S2
		Recirculating ball bearing guide	162117	DPZJ-25-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159960	DPZJ-25-25-P-A-S2
		Recirculating ball bearing guide	162118	DPZJ-25-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159961	DPZJ-25-40-P-A-S2
		Recirculating ball bearing guide	162119	DPZJ-25-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159962	DPZJ-25-50-P-A-S2
		Recirculating ball bearing guide	162120	DPZJ-25-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159963	DPZJ-25-80-P-A-S2
		Recirculating ball bearing guide	162121	DPZJ-25-80-P-A-KF-S2
32 mm	10 mm	Plain-bearing guide	159969	DPZJ-32-10-P-A-S2
		Recirculating ball bearing guide	162152	DPZJ-32-10-P-A-KF-S2
	25 mm	Plain-bearing guide	159970	DPZJ-32-25-P-A-S2
		Recirculating ball bearing guide	162153	DPZJ-32-25-P-A-KF-S2
	40 mm	Plain-bearing guide	159971	DPZJ-32-40-P-A-S2
		Recirculating ball bearing guide	162154	DPZJ-32-40-P-A-KF-S2
	50 mm	Plain-bearing guide	159972	DPZJ-32-50-P-A-S2
		Recirculating ball bearing guide	162155	DPZJ-32-50-P-A-KF-S2
	80 mm	Plain-bearing guide	159973	DPZJ-32-80-P-A-S2
		Recirculating ball bearing guide	162156	DPZJ-32-80-P-A-KF-S2
	100 mm	Plain-bearing guide	159974	DPZJ-32-100-P-A-S2
		Recirculating ball bearing guide	162157	DPZJ-32-100-P-A-KF-S2

Peripherals

Peripherals overview

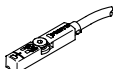


Accessories		→ Link
Type/order code	Description	
[1] Twin cylinder DPZ	Pneumatic drive	dpz
[2] One-way flow control valve GRLA	For regulating speed	23
[3] Push-in fitting QS	For connecting compressed air tubing with standard O.D.	qs
[4] Slot cover ABP	For protecting the sensor cables and the sensor slots from contamination	22
[5] Proximity switch SME-8/SMT-8	• For position sensing • Can be integrated into the cylinder profile barrel	22
[6] Centring pin ZBS/centring sleeve ZBH	• For centring loads and attachments • For centring the gripper while mounting	23

Accessories

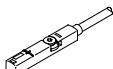
Proximity switch SMT-8M for T-slot, magneto-resistive

Link [smt](#)

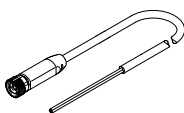
	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screw-clamped, Insertable in the slot from above	3-wire NPN N/O contact	Open end	2.5 m	574338	SMT-8M-A-NS-24V-E-2,5-OE
			Plug M8, A-coded	0.3 m	574339	SMT-8M-A-NS-24V-E-0,3-M8D
		3-wire PNP N/C contact	Open end	7.5 m	574340	SMT-8M-A-PO-24V-E-7,5-OE
		3-wire PNP N/O contact		2.5 m	574335	SMT-8M-A-PS-24V-E-2,5-OE
			Plug M8, A-coded	0.3 m	574334	SMT-8M-A-PS-24V-E-0,3-M8D
			Plug M12, A-coded		574337	SMT-8M-A-PS-24V-E-0,3-M12

Proximity switch SME-8 for T-slot, magnetic reed

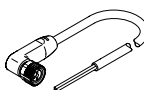
Link [sme](#)

	Type of mounting	Switching output	Electrical connection	Cable length	Part no.	Type
	Screw-clamped, Insertable in the slot from above	3-wire N/O contact	Open end	2.5 m	543862	SME-8M-DS-24V-K-2,5-OE
				5 m	543863	SME-8M-DS-24V-K-5,0-OE
		2-wire N/O contact	Plug M8, A-coded	0.3 m	543861	SME-8M-DS-24V-K-0,3-M8D
			Open end	2.5 m	543872	SME-8M-ZS-24V-K-2,5-OE
	Clamped in T-slot, Inserted into the slot lengthwise	None			150855	SME-8-K-LED-24
			Plug M8, A-coded	0.3 m	150857	SME-8-S-LED-24
		N/C contact, 3-wire	Open end	7.5 m	160251	SME-8-O-K-LED-24

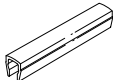
Connecting cables NEBA, straight, connection M8

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	3	2.5 m	8078223	NEBA-M8G3-U-2.5-N-LE3
				5 m	8078224	NEBA-M8G3-U-5-N-LE3

Connecting cables NEBA, angled, connection M8

	Electrical connection 1, connector system	Electrical connection 2, connector system	Electrical connection 2, number of connections/cores	Cable length	Part no.	Type
	M8x1, A-coded, to EN 61076-2-104	Open end	3	2.5 m	8078230	NEBA-M8W3-U-2.5-N-LE3
				5 m	8078231	NEBA-M8W3-U-5-N-LE3

Slot cover ABP for T-slot

	Material housing	Note on materials	Packaging quantity [pieces]	Part no.	Type
	ABS	RoHS compliant	2	151680	ABP-5-S

Accessories

One-way flow control valves GRLA					
	Pneumatic connection, port 2	Pneumatic connection 1	Part no.	Type	
	M5	Push-in connector 3 mm	193137	GRLA-M5-QS-3-D	
		Push-in connector 4 mm	193138	GRLA-M5-QS-4-D	
		Push-in connector 6 mm	193139	GRLA-M5-QS-6-D	
	G1/8	Push-in connector 3 mm	193142	GRLA-1/8-QS-3-D	
		Push-in connector 4 mm	193143	GRLA-1/8-QS-4-D	
		Push-in connector 6 mm	193144	GRLA-1/8-QS-6-D	
		Push-in connector 8 mm	193145	GRLA-1/8-QS-8-D	

Centring pin ZBS-5					
	Material sleeve ¹⁾	Size of pack	Product weight	Part no.	Type
	Steel	1	1 g	150928	ZBS-5

1) 4 pieces included in the scope of delivery

Centring sleeve ZBH-9					
	Material sleeve ¹⁾	Size of pack	Product weight	Part no.	Type
	Steel	10	2 g	8137184	ZBH-9-B

1) 4 pieces included in the scope of delivery