

Type codes

001	Series	
DGTZ	Twin cylinder	

002	Guide	
GF	Plain bearing	

003	Piston diameter	
6	6	
10	10	
16	16	
20	20	
25	25	
32	32	

004	Stroke	
10	10	
20	20	
30	30	
40	40	
50	50	
60	60	
70	70	
80	80	
90	90	
100	100	

005	Stroke	
...	51 ... 200	

006	Piston rod design	
	One end plate	
J	Two end plates	

007	Piston rod type	
	At one end	
T	Through piston rod	

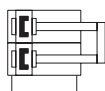
008	Cushioning	
P	Elastic cushioning rings/plates on both sides	

009	Position sensing	
A	For proximity sensor	

Datasheet

Function

DGTZ-GF-...-P-A

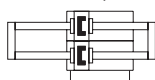


-  - Diameter
6 ... 32 mm
-  - Stroke length
10 ... 200 mm

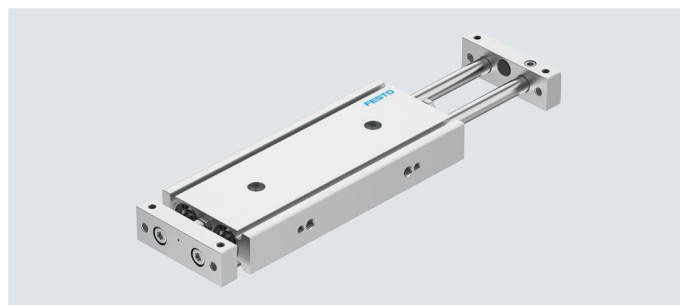


Function

DGTZ-GF-...-J-T-P-A



-  - Diameter
6 ... 32 mm
-  - Stroke length
10 ... 200 mm



General technical data							
Piston Ø	6	10	16	20	25	32	
Design	Guide						
Mode of operation	Double-acting						
Guide	Plain-bearing guide						
Pneumatic connection	M5					G1/8	
Stroke	[mm]	10 ... 60	10 ... 150	10 ... 200			
Adjustable end-position range/length	[mm]	10					
Cushioning	Elastic cushioning rings/pads at both ends						
Position sensing	Via proximity switch						
Mounting position	Any						

Operating and environmental conditions							
Piston Ø		6	10	16	20	25	32
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							
One end plate	[MPa]	0.2 ... 0.8	0.15 ... 0.8	0.1 ... 0.8			
	[psi]	29 ... 116	21.75 ... 116	14.5 ... 116			
	[bar]	2 ... 8	1.5 ... 8	1 ... 8			
Two end plates and through piston rod	[MPa]	0.2 ... 0.8		0.12 ... 0.8			
	[psi]	29 ... 116		17.4 ... 116			
	[bar]	2 ... 8		1.2 ... 8			
Ambient temperature	[°C]	−10 ... +80					
Operating mode of the drive unit		Yoke					
		Two yokes					
Corrosion resistance class CRC ¹⁾		1					

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry internal application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Datasheet

Ø [mm]	Stroke [mm]	B1	B2	B3	B4	B5	D1 Ø	D2 Ø	D3	D4	D5	D6	D7 Ø
10	10 ... 150	44	46	20	35	1	6	6.5	M4	M5	M3	M4	3.4
16	10 ... 200	56	58	25	45	1	8	8	M5	M5	M4	M5	4.3

Ø [mm]	Stroke [mm]	D8	H1	H2	H4	H5	L1	L2	L3	L4	L5	L6	L9
10	10 ... 80	M3	15	17	8.5	1	60 ¹⁾	46 ¹⁾	6	8	23	23	34
	81 ... 100						164	150					
	101 ... 125						189	175					
	126 ... 150						214	200					
16	10 ... 100	M4	18	20	10	1	79 ¹⁾	62 ¹⁾	7	10	32	32	38
	101 ... 125						204	187					
	126 ... 150						229	212					
	151 ... 175						254	237					
	176 ... 200						279	262					

1) Plus stroke length

Ø [mm]	Stroke [mm]	L10	L11	L12	L13	S	T1	T2	T4	T5	T6
10	10 ... 80	5	37	37	4	2.5	3.3	5.5	7	6	4.5
	81 ... 150	9									
16	10 ... 200	11	49	49	5	3.5	4.4	5.5	9	7	5.5

Piston Ø 10			Piston Ø 16		
Stroke [mm]	L7	L8	Stroke [mm]	L7	L8
10	20		10	20	
20	30		20	25	
30	40		30	35	
40	40		40	35	
50	40		50	35	
60	50		60	45	
70	50		70	45	
80	50		80	45	
81 ... 100	60		90	55	
101 ... 125	70		100	55	
126 ... 150	80		101 ... 125	65	
			126 ... 150	75	
			151 ... 175	85	
			176 ... 200	85	

Datasheet

Ordering data – One end plate			Part no.	Type
Stroke [mm]	Ø 6 mm			
10	8100542	DGTZ-GF-6-10-P-A		
20	8100543	DGTZ-GF-6-20-P-A		
30	8100544	DGTZ-GF-6-30-P-A		
40	8100545	DGTZ-GF-6-40-P-A		
50	8100546	DGTZ-GF-6-50-P-A		
51 ... 60 ¹⁾	8116420	DGTZ-GF-6-...-P-A		
Stroke [mm]	Ø 10 mm			
10	8100554	DGTZ-GF-10-10-P-A		
20	8100555	DGTZ-GF-10-20-P-A		
30	8100556	DGTZ-GF-10-30-P-A		
40	8100557	DGTZ-GF-10-40-P-A		
50	8100558	DGTZ-GF-10-50-P-A		
60	8100559	DGTZ-GF-10-60-P-A		
70	8100560	DGTZ-GF-10-70-P-A		
80	8100561	DGTZ-GF-10-80-P-A		
81 ... 150 ¹⁾	8116418	DGTZ-GF-10-...-P-A		
Stroke [mm]	Ø 16 mm			
10	8100570	DGTZ-GF-16-10-P-A		
20	8100571	DGTZ-GF-16-20-P-A		
30	8100572	DGTZ-GF-16-30-P-A		
40	8100573	DGTZ-GF-16-40-P-A		
50	8100574	DGTZ-GF-16-50-P-A		
60	8100575	DGTZ-GF-16-60-P-A		
70	8100576	DGTZ-GF-16-70-P-A		
80	8100577	DGTZ-GF-16-80-P-A		
90	8100578	DGTZ-GF-16-90-P-A		
100	8100579	DGTZ-GF-16-100-P-A		
101 ... 200 ¹⁾	8116417	DGTZ-GF-16-...-P-A		
Stroke [mm]	Ø 20 mm			
10	8100607	DGTZ-GF-20-10-P-A		
20	8100608	DGTZ-GF-20-20-P-A		
30	8100609	DGTZ-GF-20-30-P-A		
40	8100610	DGTZ-GF-20-40-P-A		
50	8100611	DGTZ-GF-20-50-P-A		
60	8100612	DGTZ-GF-20-60-P-A		
70	8100613	DGTZ-GF-20-70-P-A		
80	8100614	DGTZ-GF-20-80-P-A		
90	8100615	DGTZ-GF-20-90-P-A		
100	8100616	DGTZ-GF-20-100-P-A		
101 ... 200 ¹⁾	8116415	DGTZ-GF-20-...-P-A		
Stroke [mm]	Ø 25 mm			
10	8100637	DGTZ-GF-25-10-P-A		
20	8100638	DGTZ-GF-25-20-P-A		
30	8100639	DGTZ-GF-25-30-P-A		
40	8100640	DGTZ-GF-25-40-P-A		
50	8100641	DGTZ-GF-25-50-P-A		
60	8100642	DGTZ-GF-25-60-P-A		
70	8100643	DGTZ-GF-25-70-P-A		
80	8100644	DGTZ-GF-25-80-P-A		
90	8100645	DGTZ-GF-25-90-P-A		
100	8100646	DGTZ-GF-25-100-P-A		
101 ... 200 ¹⁾	8116422	DGTZ-GF-25-...-P-A		
Stroke [mm]	Ø 32 mm			
10	8100657	DGTZ-GF-32-10-P-A		
20	8100658	DGTZ-GF-32-20-P-A		
30	8100659	DGTZ-GF-32-30-P-A		
40	8100660	DGTZ-GF-32-40-P-A		
50	8100661	DGTZ-GF-32-50-P-A		
60	8100662	DGTZ-GF-32-60-P-A		
70	8100663	DGTZ-GF-32-70-P-A		
80	8100664	DGTZ-GF-32-80-P-A		
90	8100665	DGTZ-GF-32-90-P-A		
100	8100666	DGTZ-GF-32-100-P-A		
101 ... 200 ¹⁾	8116424	DGTZ-GF-32-...-P-A		

1) Strokes freely selectable in 1 mm increments.