Standard cylinders DNG/DNGL/DNGZK/DNGZS, ISO 15552

Technical data

FESTO

Function

- ⌀ - Diameter
  32 ... 320 mm
- I - Stroke length
  10 ... 2000 mm

Variants

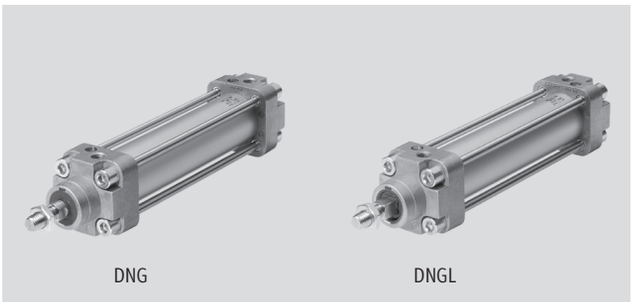
S2

S3

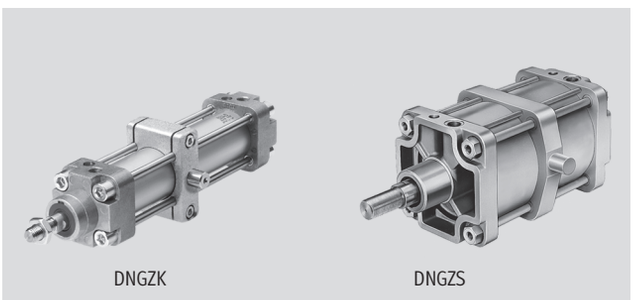
S6

S8

- Standards-based cylinders to ISO 15552 (corresponds to the withdrawn standards ISO 6431, DIN ISO 6431, VDMA 24 562, NF E 49 003.1 and UNI 10290)



DNG DNGL



DNGZK DNGZS

General technical data												
Piston ∅		32	40	50	63	80	100	125	160	200	250	320
Pneumatic connection		G⅛	G¼	G¼	G⅜	G⅜	G½	G½	G¾	G¾	G1	G1
Piston rod thread		M10x1.25	M12x1.25	M16x1.5	M16x1.5	M20x1.5	M20x1.5	M27x2	M36x2	M36x2	M42x2	M48x2
Operating medium		Filtered compressed air, lubricated or unlubricated										
Design		Piston										
		Piston rod										
		Profile barrel										
Cushioning		Adjustable at both ends										
Cushioning length	[mm]	19	21	23	23	30	30	40	40	50	60	66
Position sensing		For proximity sensing										
Type of mounting		Via accessories										
Mounting position		Any										

Operating and environmental conditions												
Piston ∅		32	40	50	63	80	100	125	160	200	250	320
Operating pressure	[bar]	0.6 ... 10										
Ambient temperature[1)]	[°C]	–20 ... +80										
ATEX		Specified types										

1) Note operating range of proximity sensors

Forces [N]											
Piston ∅	32	40	50	63	80	100	125	160	200	250	320
Theoretical force at 6 bar, advancing	482	753	1,178	1,870	3,015	4,712	7,360	12,064	18,850	29,450	48,250
Theoretical force at 6 bar, retracting	415	633	990	1,682	2,720	4,418	6,880	11,310	18,096	28,270	46,380