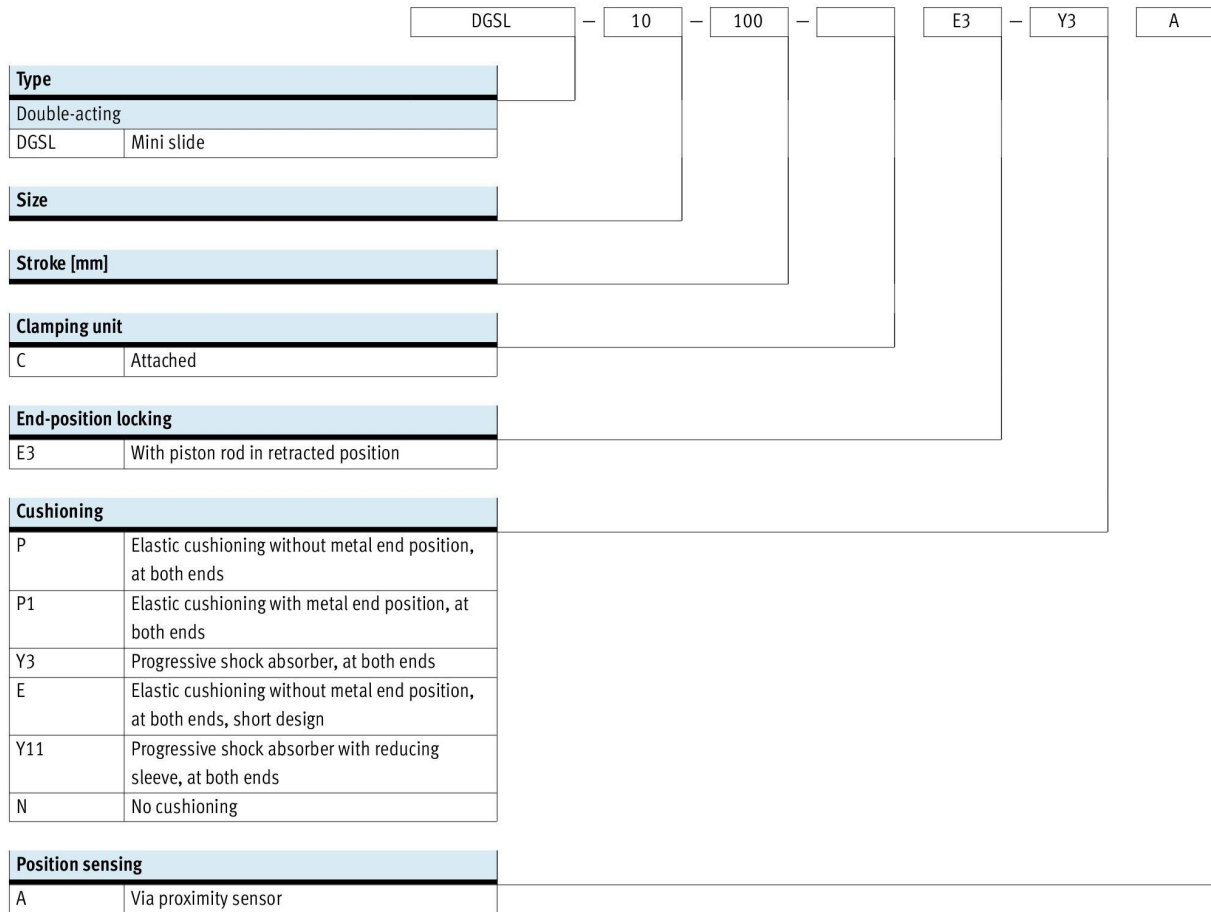


Mini slides DGSL

Type codes

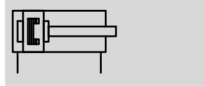


Mini slides DGSL

Technical data

FESTO

Function



Wearing parts kits

→ 45



- - Size
4 ... 25
- - Stroke length
10 ... 200 mm

General technical data									
Size		4	6	8	10	12	16	20	25
Pneumatic connection		M3			M5			G $\frac{1}{8}$	
Design		Scotch yoke system							
Guide		Ball bearing cage guide							
Type of mounting		With through-hole							
		Via female thread							
Cushioning	P	Elastic cushioning without metal end position, at both ends							
	E	Elastic cushioning without metal end position, at both ends, short design							
	P1	Elastic cushioning with metal end position, at both ends, adjustable							
	Y3		Progressive shock absorber, at both ends						
	Y11		Progressive shock absorber with reducing sleeve, at both ends						
	N	No cushioning							
Position sensing		Via proximity sensor							
Mounting position		Any							
Max. advancing speed	[m/s]	0.5			0.8				
Max. retracting speed	[m/s]	0.5			0.8				
Repetition accuracy	P1/Y3	[mm]	±0.01						
	P	[mm]	0.3						

Operating and environmental conditions									
Size		4	6	8	10	12	16	20	25
Operating medium		Compressed air to ISO 8573-1:2010 [7:4:4]							
Note on operating/pilot medium		Lubricated operation possible (in which case lubricated operation will always be required)							
Min. operating pressure	[bar]	2.5	1.5				1		
Max. operating pressure ¹⁾	[bar]	8							
Ambient temperature ²⁾	[°C]	0 ... +60							

1) Note max. operating pressure in combination with the intermediate position module DADM-EP

2) Note operating range of proximity sensors

Piston \varnothing , forces and impact energy										
Size		4	6	8	10	12	16	20	25	
Piston \varnothing	[mm]	6	8	10	12	16	20	25	32	
Theoretical force at 6 bar, advancing	[N]	17	30	47	68	121	188	295	483	
Theoretical force at 6 bar, retracting	[N]	13	23	40	51	104	158	247	415	
Impact energy in the end positions	P, E	[Nm]	0.015	0.05	0.08	0.12	0.25	0.35	0.45	0.55
	P1	[Nm]	0.005	0.02	0.03	0.04	0.06	0.12	0.2	0.25
	Y3	[Nm]	–	–	0.8	1.3	2.5	4	8	12
	1)	[Nm]	–	–	–	0.8	1.3	2.5	4	8

1) With reducing sleeve and next smallest shock absorber