

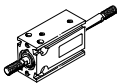

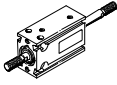



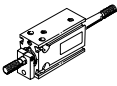

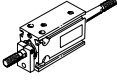



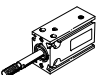



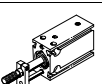



Compact cylinders DMM/EMM, Multimount

Product range overview

FESTO

Function	Version	Type	Piston Ø [mm]	Stroke [mm]	Position sensing
Double-acting	Basic version				
		DMM Piston rod at one end	10	5, 10, 15, 20, 25, 30	
			16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
		DMM-...-S2 Through piston rod	10	5, 10, 15, 20, 25, 30	
			16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
		DMM-...-S20 Through, hollow piston rod	16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
	Non-rotating version				
		DMML Piston rod at one end	10	5, 10, 15, 20, 25, 30	
			16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
		DMML-...-S2 Through piston rod	10	5, 10, 15, 20, 25, 30	
			16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
		DMML-...-S20 Through, hollow piston rod	16	5, 10, 15, 20, 25, 30, 40	
			20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50	
Single-acting	Basic version				
		EMM Piston rod at one end, pushing	10, 16, 20, 25, 32	5, 10, 15	
		EMMZ Piston rod at one end, pulling	10, 16, 20, 25, 32	5, 10, 15	
	Non-rotating version				
		EMML Piston rod at one end, pushing	10, 16, 20, 25, 32	5, 10, 15	
		EMMLZ Piston rod at one end, pulling	10, 16, 20, 25, 32	5, 10, 15	

Compact cylinders DMM/EMM, Multimount

FESTO

Type code

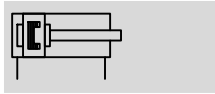
		DMML	–	25	–	30	–	P	–	A	–	S2
Type												
Double-acting												
DMM	Basic version											
DMML	Non-rotating version											
Single-acting												
EMM	Basic version											
EMMZ	Basic version, pulling											
EMML	Non-rotating version											
EMMLZ	Non-rotating version, pulling											
Piston Ø [mm]												
Stroke [mm]												
Cushioning												
P	Flexible cushioning rings/plates at both ends											
Position sensing												
A	For proximity sensing											
Variant												
S2	Through piston rod											
S6	Heat resistant up to 120 °C											
S20	Through, hollow piston rod											


Compact cylinders DMM, Multimount


Technical data

FESTO

Function



-  - Diameter
10 ... 32 mm

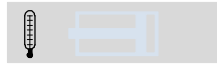
-  - Stroke length
5 ... 50 mm

-  - www.festo.com

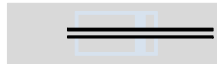
Variants



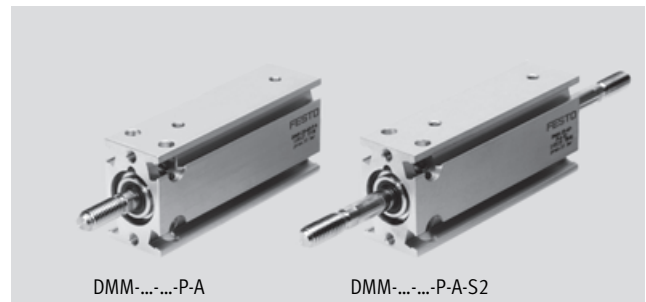
S2



S6

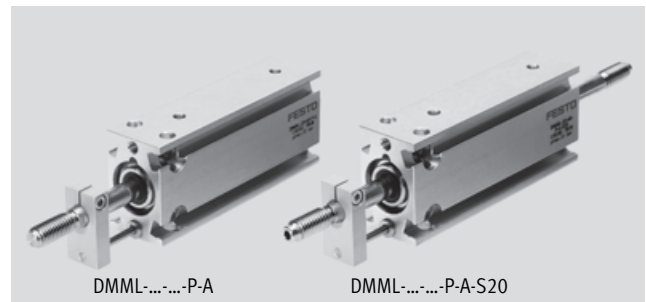


S20



DMM-...-P-A

DMM-...-P-A-S2



DMML-...-P-A

DMML-...-P-A-S20

General technical data

Piston Ø	10	16	20	25	32
Pneumatic connection	M3	M5	M5	M5	G1/8
End of piston rod Male thread	M4	M6	M8	M10x1.25	M10x1.25
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]				
Note on operating/ pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)				
Max. operating pressure [bar]	10				
Constructional design	Piston				
	Piston rod				
Cushioning	Flexible cushioning rings/plates at both ends				
Position sensing	For proximity sensing				
Type of mounting	Via through holes				
	Via female thread				
Mounting position	Any				

Ambient conditions

Variant	Basic version	S6
Ambient temperature ¹⁾ [°C]	-20 ... +80	0 ... +120

1) Note operating range of proximity sensors

Compact cylinders DMM, Multimount

FESTO

Technical data

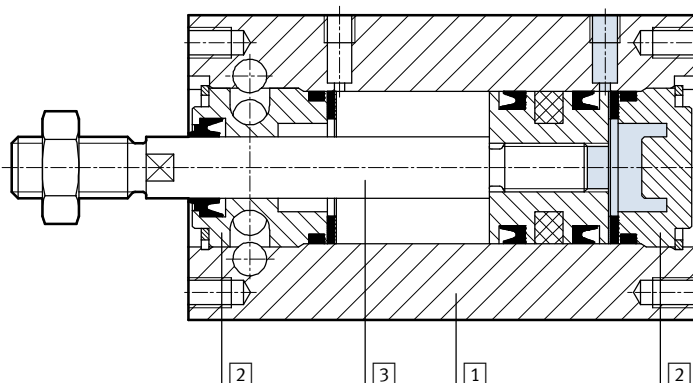
Forces [N] and impact energy [J]					
Piston Ø	10	16	20	25	32
Theoretical force at 6 bar, advancing	47	121	188	295	483
S2/S20	40	104	158	247	415
Theoretical force at 6 bar, retracting	40	104	158	247	415
S2/S20	40	104	158	247	415
Max. impact energy at end positions	0.1	0.2	0.3	0.6	0.6

Technical data – Protection against rotation					
Piston Ø	10	16	20	25	32
Max. torque at the piston rod ¹⁾ [Nm]	0.02	0.01	0.01	0.015	0.02

1) The max. torque must not be exceeded even when fitting attachments.

Materials

Sectional view



Compact cylinder	Basic version	S6
1 Housing	Wrought aluminium alloy	Wrought aluminium alloy
2 Plug cap	Brass	Brass
3 Piston rod	High-alloy stainless steel	High-alloy stainless steel
– Seals	Polyurethane	Fluorocarbon rubber