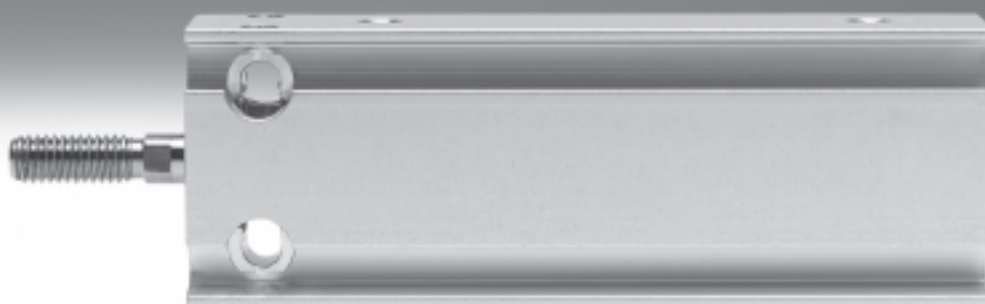


Compact cylinders DMM/EMM, Multimount

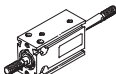
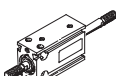
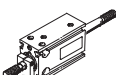
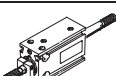
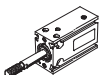
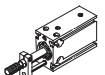
FESTO



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				
		EMLL Piston rod at one end, pushing	10, 16, 20, 25, 32	5, 10, 15	
		EMLLZ Piston rod at one end, pulling	10, 16, 20, 25, 32	5, 10, 15	

Compact cylinders DMM/EMM, Multimount

Product range overview

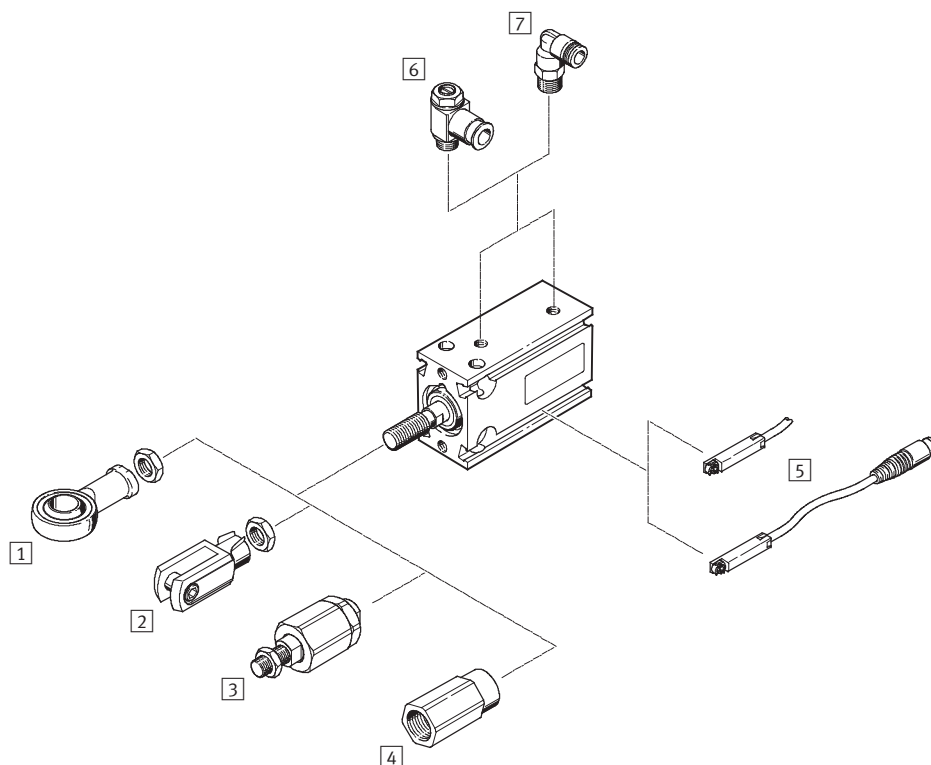
FESTO

Type	Piston rod with male thread	S6 Heat resistant up to 120 °C	→ Page/Internet
Basic version			
DMM Piston rod at one end	■	■	7
DMM-...-S2 Through piston rod	■	—	7
DMM-...-S20 Through, hollow piston rod	■	—	7
Non-rotating version			
DMML Piston rod at one end	■	■	7
DMML-...-S2 Through piston rod	■	—	7
DMML-...-S20 Through, hollow piston rod	■	—	7
Basic version			
EMM Piston rod at one end, pushing	■	■	13
EMMZ Piston rod at one end, pulling	■	■	13
Non-rotating version			
EMML Piston rod at one end, pushing	■	■	13
EMMLZ Piston rod at one end, pulling	■	■	13

Compact cylinders DMM/EMM, Multimount

Peripherals overview

FESTO



Variants

DMM

DMM-...-S2, DMM-...-S20

DMML

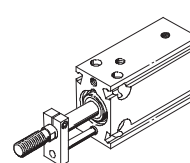
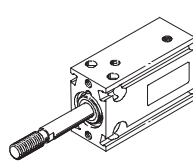
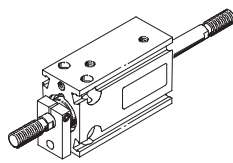
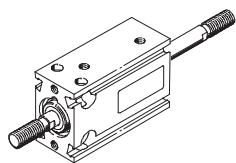
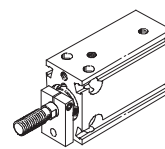
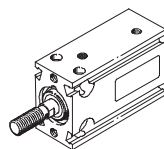
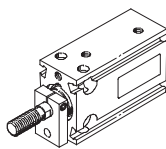
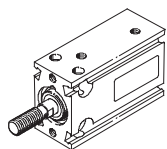
DMML-...-S2, DMML-...-S20

EMM

EMMZ

EMML

EMMLZ

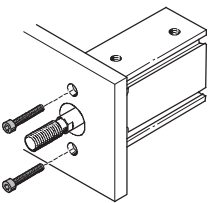
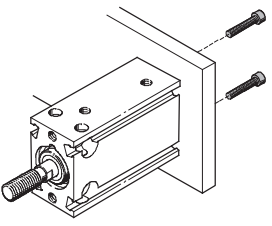
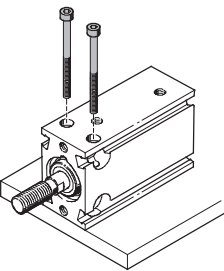
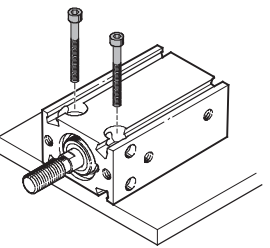


Compact cylinders DMM/EMM, Multimount

Peripherals overview

FESTO

Accessories						
	Brief description	DMM DMM-...-S2 DMM-...-S20	DMML DMML-...-S2 DMML-...-S20	EMM EMMZ	EMML EMMLZ	→ Page/Internet
1	Rod eye SGS	■	■	■	■	18
2	Rod clevis SG	■	■	■	■	18
3	Self-aligning rod coupler FK	■	■	■	■	18
4	Adapter AD	■ S20	■ S20	–	–	18
5	Proximity sensor SME/SMT-8	■	■	■	■	18
6	One-way flow control valve GRLA/GRLZ	■	■	■	■	19
7	Push-in connector QS	■	■	■	■	quick star

Mounting options			
Mounting at front	Mounting at rear	Vertical mounting	Horizontal mounting
			

Compact cylinders DMM/EMM, Multimount

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Type code

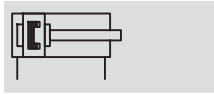
		DMML	–	25	–	30	–	P	–	A	–	S2
Type												
Double-acting												
DMM	Basic version											
DMML	Non-rotating version											
Single-acting												
EMM	Basic version											
EMMZ	Basic version, pulling											
EMML	Non-rotating version											
EMMLZ	Non-rotating version, pulling											
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



- Ø - Diameter
10 ... 32 mm

- I - Stroke length
5 ... 50 mm

- T - [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)

Variants



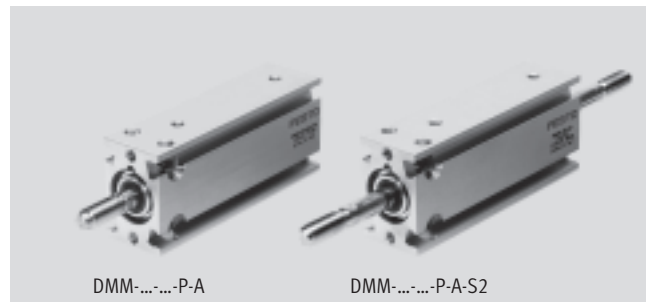
S2



S6

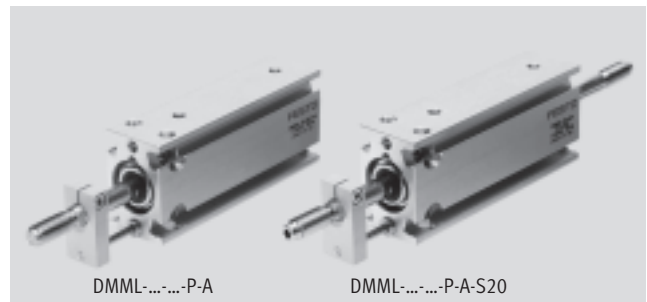


S20



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, filtered, lubricated or unlubricated				
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

Technical data

FESTO

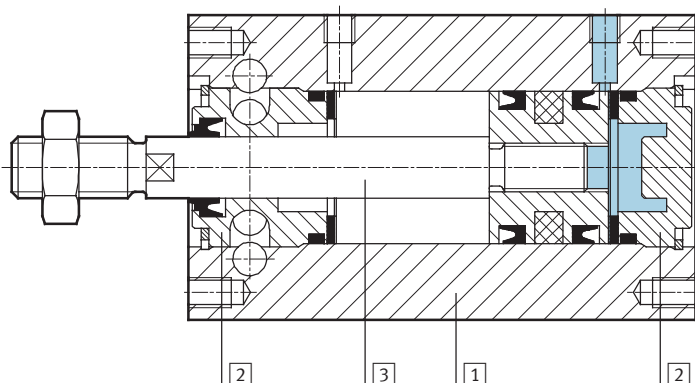
Forces [N] and impact energy [J]					
Piston Ø	10	16	20	25	32
Theoretical force at 6 bar, advancing	47	121	188	295	483
S2/S20	40	104	158	247	415
Theoretical force at 6 bar, retracting	40	104	158	247	415
S2/S20	40	104	158	247	415
Max. impact energy at end positions	0.1	0.2	0.3	0.6	0.6

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

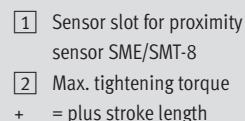
Sectional view



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

Technical data

Basic version DMM



Technical drawing of the 1000 Series Hydraulic Cylinder showing front and side views with dimensions.

Front View Dimensions:

- $H5$: Total height of the cylinder head.
- $H4$: Height of the mounting flange.
- $B3$: Width of the mounting flange.

Side View Dimensions:

- $L5$: Distance from the mounting flange to the center of the rod eye.
- $L6$: Distance from the mounting flange to the center of the rod end.
- $L4+$: Total length of the cylinder, including stroke length.

Legend:

- $+$ = plus stroke length

Ø [mm]	L3	L4	L5	L6	MM Ø	PJ	PL	RT	T1	UO	T0	WH	ZJ	≈C1 h13	Max. tightening torque [Nm] +10%
10	11	57	9	–	4	12	24	M3	5	25	19	2	50	–	1
16	13.5	64	12	3	6	16.5	22	M4	5.5	32	27	5	57	5	2.5
20	16	68	13	4	8	16.8	25.7	M5	8	40	33	6	61	7	3
25	17	72	14	5	10	18.5	24.7	M5	9	50	41	7	65	9	8
32	19	77	15	6	12	19	26	M6	11.5	62	52	8	70	10	9

Compact cylinders DMM, Multimount

Technical data

FESTO

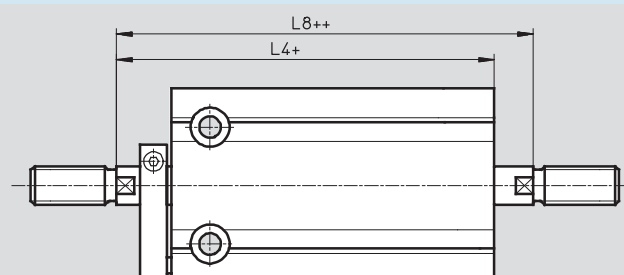
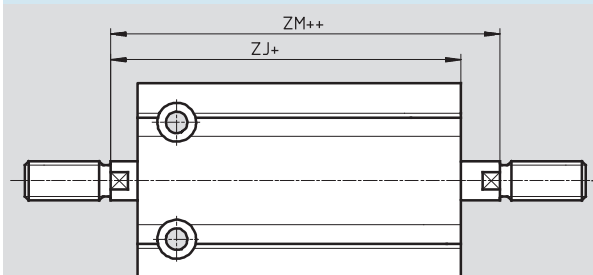
Dimensions – Variants

Download CAD Data → www.festo.com/us/cad

S2 – Through piston rod

Basic version DMM

Non-rotating version DMML

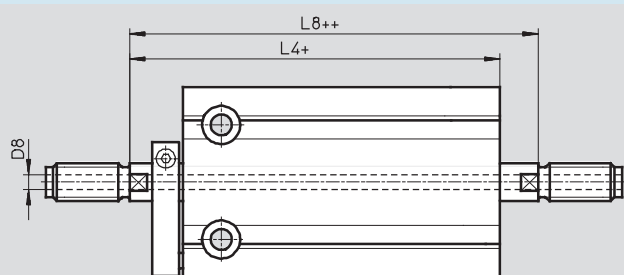
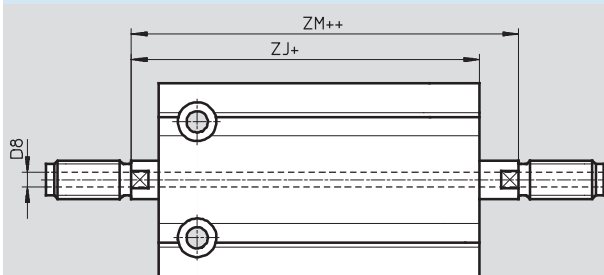


+ = plus stroke length
++ = plus 2x stroke length

S20 – Through, hollow piston rod

Basic version DMM

Non-rotating version DMML



+ = plus stroke length
++ = plus 2x stroke length

Ø	D8	L4	L8	ZJ	ZM
[mm]	Ø				
10	–	57	59	50	52
16	2.3	64	69	57	62
20	3.2	68	74	61	67
25	3.8	72	79	65	72
32	4.5	77	85	70	78

Compact cylinders DMM, Multimount

Technical data

FESTO

Ordering data – Basic cylinder						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version DMM		Non-rotating version DMML	
			Part No.	Type	Part No.	Type
	10	5	158 502	DMM-10-5-P-A	158 557	DMML-10-5-P-A
		10	158 503	DMM-10-10-P-A	158 558	DMML-10-10-P-A
		15	158 504	DMM-10-15-P-A	158 559	DMML-10-15-P-A
		20	158 505	DMM-10-20-P-A	158 560	DMML-10-20-P-A
		25	158 506	DMM-10-25-P-A	158 561	DMML-10-25-P-A
		30	158 507	DMM-10-30-P-A	158 562	DMML-10-30-P-A
	16	5	158 511	DMM-16-5-P-A	158 566	DMML-16-5-P-A
		10	158 512	DMM-16-10-P-A	158 567	DMML-16-10-P-A
		15	158 513	DMM-16-15-P-A	158 568	DMML-16-15-P-A
		20	158 514	DMM-16-20-P-A	158 569	DMML-16-20-P-A
		25	158 515	DMM-16-25-P-A	158 570	DMML-16-25-P-A
		30	158 516	DMM-16-30-P-A	158 571	DMML-16-30-P-A
		40	178 210	DMM-16-40-P-A	178 328	DMML-16-40-P-A
	20	5	158 521	DMM-20-5-P-A	158 576	DMML-20-5-P-A
		10	158 522	DMM-20-10-P-A	158 577	DMML-20-10-P-A
		15	158 523	DMM-20-15-P-A	158 578	DMML-20-15-P-A
		20	158 524	DMM-20-20-P-A	158 579	DMML-20-20-P-A
		25	158 525	DMM-20-25-P-A	158 580	DMML-20-25-P-A
		30	158 526	DMM-20-30-P-A	158 581	DMML-20-30-P-A
		40	158 527	DMM-20-40-P-A	158 582	DMML-20-40-P-A
		50	158 528	DMM-20-50-P-A	158 583	DMML-20-50-P-A
	25	5	158 533	DMM-25-5-P-A ²⁾	158 588	DMML-25-5-P-A ²⁾
		10	158 534	DMM-25-10-P-A ²⁾	158 589	DMML-25-10-P-A ²⁾
		15	158 535	DMM-25-15-P-A ²⁾	158 590	DMML-25-15-P-A ²⁾
		20	158 536	DMM-25-20-P-A ²⁾	158 591	DMML-25-20-P-A ²⁾
		25	158 537	DMM-25-25-P-A ²⁾	158 592	DMML-25-25-P-A ²⁾
		30	158 538	DMM-25-30-P-A ²⁾	158 593	DMML-25-30-P-A ²⁾
		40	158 539	DMM-25-40-P-A ²⁾	158 594	DMML-25-40-P-A ²⁾
		50	158 540	DMM-25-50-P-A ²⁾	158 595	DMML-25-50-P-A ²⁾
	32	5	158 545	DMM-32-5-P-A ²⁾	158 600	DMML-32-5-P-A ²⁾
		10	158 546	DMM-32-10-P-A ²⁾	158 601	DMML-32-10-P-A ²⁾
		15	158 547	DMM-32-15-P-A ²⁾	158 602	DMML-32-15-P-A ²⁾
		20	158 548	DMM-32-20-P-A ²⁾	158 603	DMML-32-20-P-A ²⁾
		25	158 549	DMM-32-25-P-A ²⁾	158 604	DMML-32-25-P-A ²⁾
		30	158 550	DMM-32-30-P-A ²⁾	158 605	DMML-32-30-P-A ²⁾
		40	158 551	DMM-32-40-P-A ²⁾	158 606	DMML-32-40-P-A ²⁾
		50	158 552	DMM-32-50-P-A ²⁾	158 607	DMML-32-50-P-A ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Compact cylinders DMM, Multimount

Technical data

FESTO

Ordering data – Variants						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version DMM		Non-rotating version DMML	
			Part No.	Type	Part No.	Type
S2 – Through piston rod						
	10	5, 10, 20, 25, 30	158 508	DMM-10-...-P-A-S2	158 563	DMML-10-...-P-A-S2
	16	5, 10, 15, 20, 25, 30, 40	158 517	DMM-16-...-P-A-S2	158 572	DMML-16-...-P-A-S2
	20	5, 10, 15, 20, 25, 30, 40, 50	158 529	DMM-20-...-P-A-S2	158 584	DMML-20-...-P-A-S2
	25	5, 10, 15, 20, 25, 30, 40, 50	158 541	DMM-25-...-P-A-S2 ²⁾	158 596	DMML-25-...-P-A-S2 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 553	DMM-32-...-P-A-S2 ²⁾	158 608	DMML-32-...-P-A-S2 ²⁾
S6 – Heat resistant up to 120 °C						
	10	5, 10, 15, 20, 25, 30	158 509	DMM-10-...-P-A-S6	158 564	DMML-10-...-P-A-S6
	16	5, 10, 15, 20, 25, 30, 40	158 518	DMM-16-...-P-A-S6	158 573	DMML-16-...-P-A-S6
	20	5, 10, 15, 20, 25, 30, 40, 50	158 530	DMM-20-...-P-A-S6	158 585	DMML-20-...-P-A-S6
	25	5, 10, 15, 20, 25, 30, 40, 50	158 542	DMM-25-...-P-A-S6 ²⁾	158 597	DMML-25-...-P-A-S6 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 554	DMM-32-...-P-A-S6 ²⁾	158 609	DMML-32-...-P-A-S6 ²⁾
S20 – Through, hollow piston rod						
	16	5, 10, 15, 20, 25, 30, 40	158 519	DMM-16-...-P-A-S20	158 574	DMML-16-...-P-A-S20
	20	5, 10, 15, 20, 25, 30, 40, 50	158 531	DMM-20-...-P-A-S20	158 586	DMML-20-...-P-A-S20
	25	5, 10, 15, 20, 25, 30, 40, 50	158 543	DMM-25-...-P-A-S20 ²⁾	158 598	DMML-25-...-P-A-S20 ²⁾
	32	5, 10, 15, 20, 25, 30, 40, 50	158 555	DMM-32-...-P-A-S20 ²⁾	158 610	DMML-32-...-P-A-S20 ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Compact cylinders EMM, Multimount

Technical data

FESTO

Function

EMM, EMML



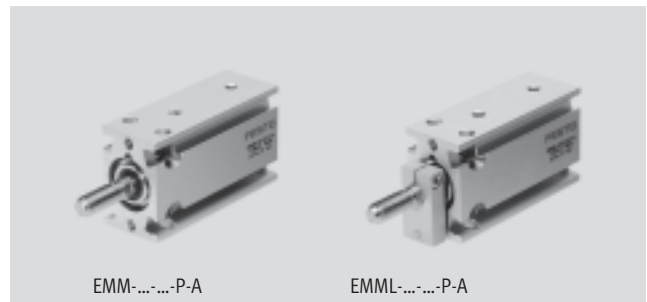
EMMZ, EMMLZ



Variants



S6



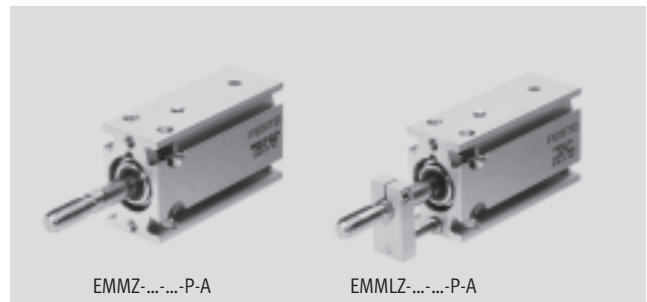
EMM-...-P-A

EMML-...-P-A

- Ø - Diameter
10 ... 32 mm

- I - Stroke length
5 ... 15 mm

- T - [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)



EMMZ-...-P-A

EMMLZ-...-P-A

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, filtered, lubricated or unlubricated				
Max. operating pressure [bar]	10				
Max. applied load ¹⁾ [g]	40	120	160	260	320
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				

1) At 6 bar. For other values see graph "Maximum permissible impact velocity v as a function of the applied load m" → 14

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

1) Note operating range of proximity sensors

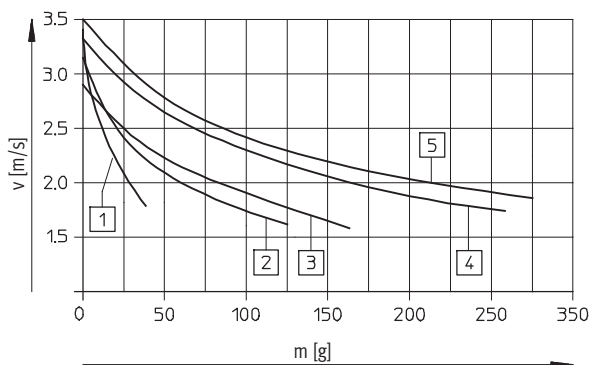
Compact cylinders EMM, Multimount

Technical data

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Forces [N] and impact energy [J]						
Piston Ø		10	16	20	25	32
Theoretical force at 6 bar, advancing	EMM/ EMML	37	101	165	227	456
	EMMZ/ EMMLZ	30	84	135	179	388
Max. impact energy at end positions		0.1	0.2	0.3	0.6	0.6

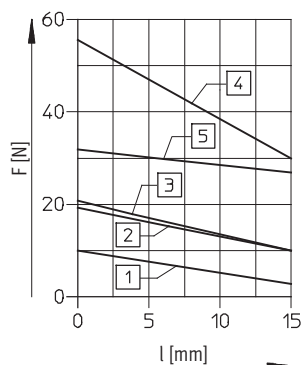
Maximum permissible impact velocity v as a function of the applied load m



- 1 Ø 10 mm
2 Ø 16 mm

- 3 Ø 20 mm
4 Ø 25 mm

Minimum spring return force F as a function of the stroke l



- 5 Ø 32 mm

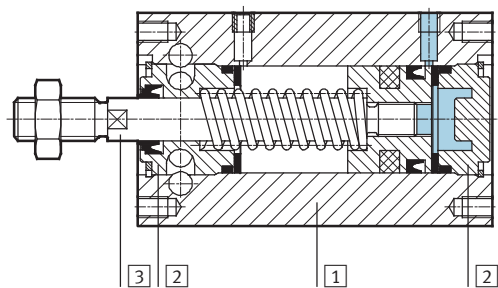
Technical data – Protection against rotation

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

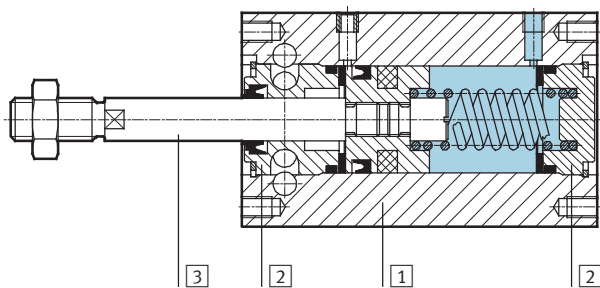
1) The max. torque must not be exceeded even when fitting attachments

Materials

Sectional view EMM(L) – Pushing



Sectional view EMM(L)Z – Pulling



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

Compact cylinders EMM, Multimount

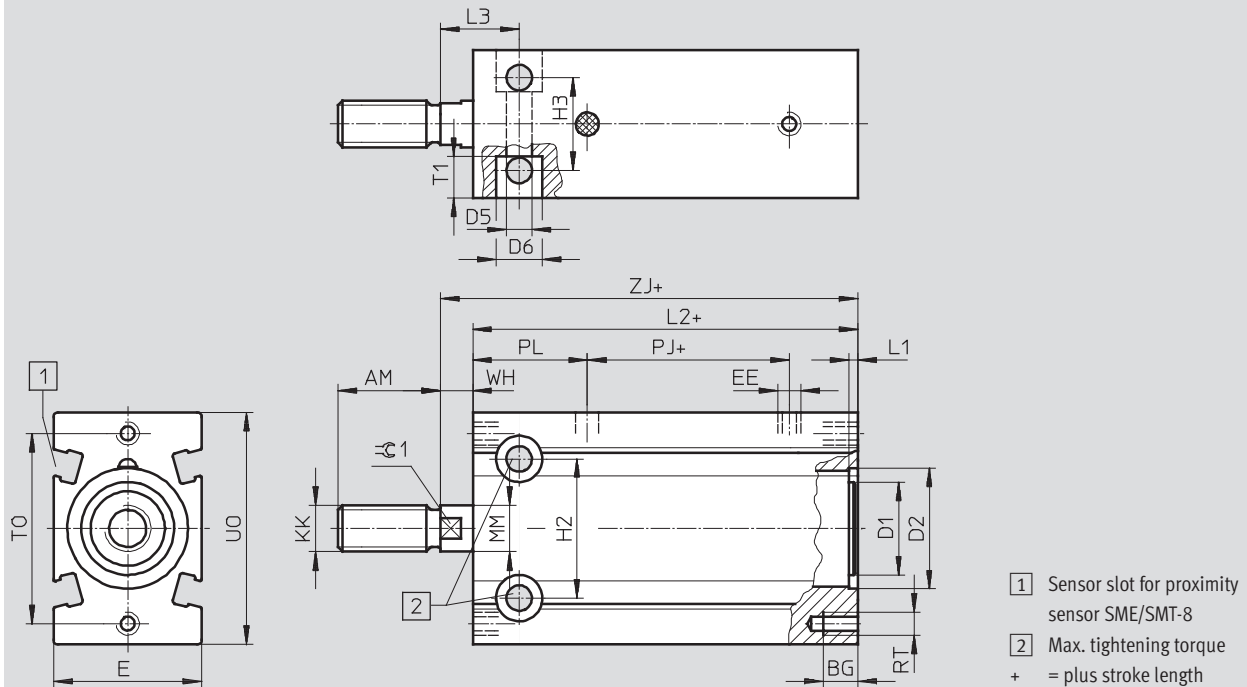
Technical data

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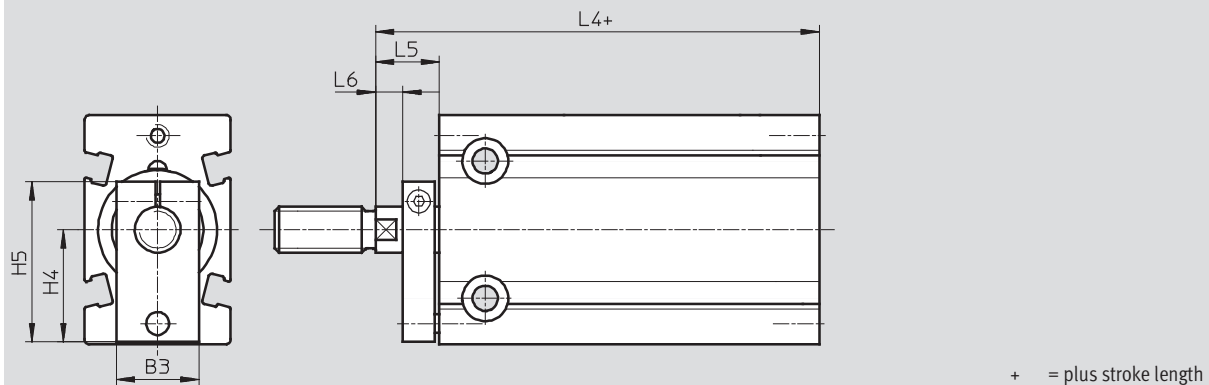
Dimensions

Download CAD Data → www.festo.com/us/cad

Basic version EMM – Pushing



Non-rotating version EMM – Pushing



Ø [mm]	AM	B3	BG +0.5	D1 Ø	D2 Ø H7	D5 Ø +0.2	D6 Ø +0.3	E	EE	H2	H3	H4	H5	KK	L1	L2
10	12	14	5	–	10.8	3.4	6	15	M3	13	9	11	19.5	M4	0.9	48
16	16	15	6	12.9	17	4.3	7.5	20	M5	19	13	15.5	24	M6	0.9	52
20	20	15	7.5	16	21	5.5	10	26	M5	24	16	19.5	29	M8	1.9	55
25	22	18	7.5	20	26	5.5	10	32	M5	30	20	24.5	36	M10x1.25	1.9	58
32	22	20	9	26	33	6.6	11	40	G1/8	40	24	30.5	45	M10x1.25	1.9	62

Ø [mm]	L3	L4	L5	L6	MM Ø	PJ	PL	RT	T1	U0	T0	WH	ZJ	⌀C1 h13	Max. tightening torque [Nm] +10%
10	11	57	9	–	4	12	24	M3	5	25	19	2	50	–	1
16	13.5	64	12	3	6	16.5	22	M4	5.5	32	27	5	57	5	2.5
20	16	68	13	4	8	16.8	25.7	M5	8	40	33	6	61	7	3
25	17	72	14	5	10	18.5	24.7	M5	9	50	41	7	65	9	8
32	19	77	15	6	12	19	26	M6	11.5	62	52	8	70	10	9

Compact cylinders EMM, Multimount

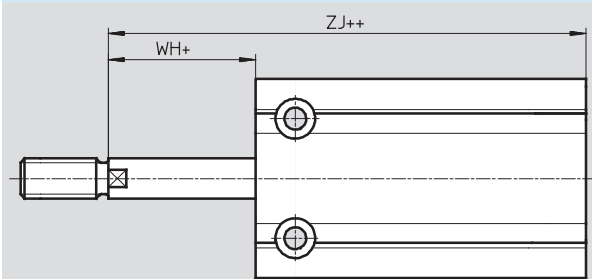
Technical data

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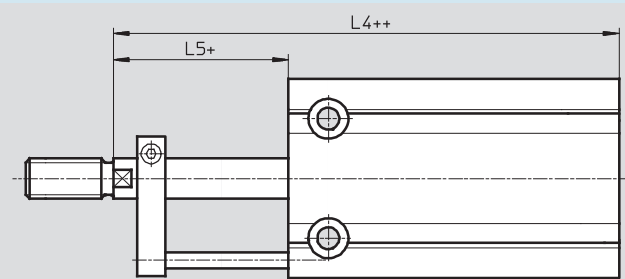
Dimensions

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Basic version EMMZ – Pulling



Non-rotating version EMMLZ – Pulling



+ = plus stroke length
++ = plus 2x stroke length

Ø	L4	L5	WH	ZJ
[mm]				
10	57	9	2	50
16	64	12	5	57
20	68	13	6	61
25	72	14	7	65
32	77	15	8	70

Ordering data – Basic cylinder, pushing

Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version EMM		Non-rotating version EMML	
			Part No.	Type	Part No.	Type
	10	5	158 612	EMM-10-5-P-A	158 637	EMML-10-5-P-A
		10	158 613	EMM-10-10-P-A	158 638	EMML-10-10-P-A
		15	158 614	EMM-10-15-P-A	158 639	EMML-10-15-P-A
	16	5	158 617	EMM-16-5-P-A	158 642	EMML-16-5-P-A
		10	158 618	EMM-16-10-P-A	158 643	EMML-16-10-P-A
		15	158 619	EMM-16-15-P-A	158 644	EMML-16-15-P-A
	20	5	158 622	EMM-20-5-P-A	158 647	EMML-20-5-P-A
		10	158 623	EMM-20-10-P-A	158 648	EMML-20-10-P-A
		15	158 624	EMM-20-15-P-A	158 649	EMML-20-15-P-A
	25	5	158 627	EMM-25-5-P-A ²⁾	158 652	EMML-25-5-P-A ²⁾
		10	158 628	EMM-25-10-P-A ²⁾	158 653	EMML-25-10-P-A ²⁾
		15	158 629	EMM-25-15-P-A ²⁾	158 654	EMML-25-15-P-A ²⁾
	32	5	158 632	EMM-32-5-P-A ²⁾	158 657	EMML-32-5-P-A ²⁾
		10	158 633	EMM-32-10-P-A ²⁾	158 658	EMML-32-10-P-A ²⁾
		15	158 634	EMM-32-15-P-A ²⁾	158 659	EMML-32-15-P-A ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Compact cylinders EMM, Multimount

Technical data

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Ordering data – Basic cylinder, pulling						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version EMMZ		Non-rotating version EMMLZ	
			Part No.	Type	Part No.	Type
	10	5	158 662	EMMZ-10-5-P-A	158 687	EMMLZ-10-5-P-A
		10	158 663	EMMZ-10-10-P-A	158 688	EMMLZ-10-10-P-A
		15	158 664	EMMZ-10-15-P-A	158 689	EMMLZ-10-15-P-A
	16	5	158 667	EMMZ-16-5-P-A	158 692	EMMLZ-16-5-P-A
		10	158 668	EMMZ-16-10-P-A	158 693	EMMLZ-16-10-P-A
		15	158 669	EMMZ-16-15-P-A	158 694	EMMLZ-16-15-P-A
	20	5	158 672	EMMZ-20-5-P-A	158 697	EMMLZ-20-5-P-A
		10	158 673	EMMZ-20-10-P-A	158 698	EMMLZ-20-10-P-A
		15	158 674	EMMZ-20-15-P-A	158 699	EMMLZ-20-15-P-A
	25	5	158 677	EMMZ-25-5-P-A ²⁾	158 702	EMMLZ-25-5-P-A ²⁾
		10	158 678	EMMZ-25-10-P-A ²⁾	158 703	EMMLZ-25-10-P-A ²⁾
		15	158 679	EMMZ-25-15-P-A ²⁾	158 704	EMMLZ-25-15-P-A ²⁾
	32	5	158 682	EMMZ-32-5-P-A ²⁾	158 707	EMMLZ-32-5-P-A ²⁾
		10	158 683	EMMZ-32-10-P-A ²⁾	158 708	EMMLZ-32-10-P-A ²⁾
		15	158 684	EMMZ-32-15-P-A ²⁾	158 709	EMMLZ-32-15-P-A ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Ordering data – Pushing variants						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version EMM		Non-rotating version EMML	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 120 °C						
	10	5, 10, 15	158 615	EMM-10-...-P-A-S6	158 640	EMML-10-...-P-A-S6
	16	5, 10, 15	158 620	EMM-16-...-P-A-S6	158 645	EMML-16-...-P-A-S6
	20	5, 10, 15	158 625	EMM-20-...-P-A-S6	158 650	EMML-20-...-P-A-S6
	25	5, 10, 15	158 630	EMM-25-...-P-A-S6 ²⁾	158 655	EMML-25-...-P-A-S6 ²⁾
	32	5, 10, 15	158 635	EMM-32-...-P-A-S6 ²⁾	158 660	EMML-32-...-P-A-S6 ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Ordering data – Pulling variants						
Type	Piston Ø [mm]	Stroke ¹⁾ [mm]	Basic version EMMZ		Non-rotating version EMMLZ	
			Part No.	Type	Part No.	Type
S6 – Heat resistant up to 120 °C						
	10	5, 10, 15	158 665	EMMZ-10-...-P-A-S6	158 690	EMMLZ-10-...-P-A-S6
	16	5, 10, 15	158 670	EMMZ-16-...-P-A-S6	158 695	EMMLZ-16-...-P-A-S6
	20	5, 10, 15	158 675	EMMZ-20-...-P-A-S6	158 700	EMMLZ-20-...-P-A-S6
	25	5, 10, 15	158 680	EMMZ-25-...-P-A-S6 ²⁾	158 705	EMMLZ-25-...-P-A-S6 ²⁾
	32	5, 10, 15	158 685	EMMZ-32-...-P-A-S6 ²⁾	158 710	EMMLZ-32-...-P-A-S6 ²⁾

1) Additional stroke lengths upon request

2) The scope of delivery includes a hexagonal nut for the piston rod thread

Compact cylinders DMM/EMM, Multimount

Accessories

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Ordering data – Piston rod attachments				Technical data → Internet: piston-rod attachment			
Designation	For Ø	Part No.	Type	Designation	For Ø	Part No.	Type
Rod eye SGS				Self-aligning rod coupler FK			
	10	9 253	SGS-M4		10	6 528	FK-M4
	16	9 254	SGS-M6		16	2 061	FK-M6
	20	9 255	SGS-M8		20	2 062	FK-M8
	25	9 261	SGS-M10x1,25		25	6 140	FK-M10x1,25
	32						
Rod clevis SG				Adapter AD			
	10	6 532	SG-M4		16	157 328	AD-M6-M5
	16	3 110	SG-M6			157 329	AD-M6-1/8
	20	3 111	SG-M8			157 330	AD-M6-1/4
	25	6 144	SG-M10x1,25		20	157 331	AD-M8-1/8
	32					157 332	AD-M8-1/4
					25	157 333	AD-M10x1,25-1/8
					32	157 334	AD-M10x1,25-1/4

Ordering data – Proximity sensors for T-slot, magneto-resistive						Technical data → Internet: smt	
	Type of mounting	Switch output	Electrical connection	Cable length [m]	Part No.	Type	
N/O contact							
	Insertable in the slot from above, flush with cylinder profile	PNP	Cable, 3-wire	2.5	543 867	SMT-8M-PS-24V-K-2,5-OE	
			Plug M8x1, 3-pin	0.3	543 866	SMT-8M-PS-24V-K-0,3-M8D	
			Plug M12x1, 3-pin	0.3	543 869	SMT-8M-PS-24V-K-0,3-M12	
		NPN	Cable, 3-wire	2.5	543 870	SMT-8M-NS-24V-K-2,5-OE	
			Plug M8x1, 3-pin	0.3	543 871	SMT-8M-NS-24V-K-0,3-M8D	
	Insertable in the slot lengthwise, flush with the cylinder profile	PNP	Cable, 3-wire	2.5	175 436	SMT-8-PS-K-LED-24-B	
			Plug M8x1, 3-pin	0.3	175 484	SMT-8-PS-S-LED-24-B	
N/C contact							
	Insertable in the slot from above, flush with cylinder profile	PNP	Cable, 3-wire	7.5	543 873	SMT-8M-PO-24V-K7,5-OE	

Compact cylinders DMM/EMM, Multimount

Accessories

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Ordering data – Proximity sensors for T-slot, magnetic reed					Technical data → Internet: sme	
	Type of mounting	Switch output	Electrical connection	Cable length [m]	Part No.	Type
N/O contact						
	Insertable in the slot from above, flush with cylinder profile	Contacting	Cable, 3-wire	2.5	543 862	SME-8M-DS-24V-K-2,5-OE
				5.0	543 863	SME-8M-DS-24V-K-5,0-OE
			Cable, 3-wire	2.5	543 872	SME-8M-ZS-24V-K-2,5-OE
			Plug M8x1, 3-pin	0.3	543 861	SME-8M-DS-24V-K-0,3-M8D
	Insertable in the slot lengthwise, flush with the cylinder profile	Contacting	Cable, 3-wire	2.5	150 855	SME-8-K-LED-24
			Plug M8x1, 3-pin	0.3	150 857	SME-8-S-LED-24
N/C contact						
	Insertable in the slot lengthwise, flush with the cylinder profile	Contacting	Cable, 3-wire	7.5	160 251	SME-8-O-K-LED-24

Ordering data – Connecting cables				Technical data → Internet: nebu	
	Electrical connection, left	Electrical connection, right	Cable length [m]	Part No.	Type
	Straight socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541 333	NEBU-M8G3-K-2.5-LE3
			5	541 334	NEBU-M8G3-K-5-LE3
	Straight socket, M12x1, 5-pin	Cable, open end, 3-wire	2.5	541 363	NEBU-M12G5-K-2.5-LE3
			5	541 364	NEBU-M12G5-K-5-LE3
	Angled socket, M8x1, 3-pin	Cable, open end, 3-wire	2.5	541 338	NEBU-M8W3-K-2.5-LE3
			5	541 341	NEBU-M8W3-K-5-LE3
	Angled socket, M12x1, 5-pin	Cable, open end, 3-wire	2.5	541 367	NEBU-M12W5-K-2.5-LE3
			5	541 370	NEBU-M12W5-K-5-LE3

Ordering data – One-way flow control valves				Technical data ➔ Internet: grl			
	Connection		Material	Part No.	Type		
	Thread	For tubing OD					
For exhaust air							
	M3	3	Metal design	175 041	GRLA-M3-QS-3		
	M5	3		193 137	GRLA-M5-QS-3-D		
		4		193 138	GRLA-M5-QS-4-D		
		6		193 139	GRLA-M5-QS-6-D		
		G1/8		3	193 142	GRLA-1/8-QS-3-D	
	4			193 143	GRLA-1/8-QS-4-D		
	6			193 144	GRLA-1/8-QS-6-D		
	8			193 145	GRLA-1/8-QS-8-D		
	For supply air						
	M3	3	Metal design	175 043	GRLZ-M3-QS-3		
	M5	3		193 153	GRLZ-M5-QS-3-D		
		4		193 154	GRLZ-M5-QS-4-D		
		6		193 155	GRLZ-M5-QS-6-D		
		G1/8		3	193 156	GRLZ-1/8-QS-3-D	
	4			193 157	GRLZ-1/8-QS-4-D		
	6			193 158	GRLZ-1/8-QS-6-D		
	8			193 159	GRLZ-1/8-QS-8-D		

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Festo North America

Festo Regional Contact Center

5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Canada

USA Customers:

For ordering assistance,

Call: 1.800.99.FESTO (1.800.993.3786)

Fax: 1.800.96.FESTO (1.800.963.3786)

Email: customer.service@us.festo.com

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Canadian Customers:

Call: 1.877.GO.FESTO (1.877.463.3786)

Fax: 1.877.FX.FESTO (1.877.393.3786)

Email: festo.canada@ca.festo.com

USA Headquarters

Festo Corporation
395 Moreland Road
P.O. Box 18023
Hauppauge, NY 11788, USA
www.festo.com/us

USA Sales Offices

Appleton

North 922 Tower View Drive, Suite N
Greenville, WI 54942, USA

Boston

120 Presidential Way, Suite 330
Woburn, MA 01801, USA

Chicago

1441 East Business Center Drive
Mt. Prospect, IL 60056, USA

Dallas

1825 Lakeway Drive, Suite 600
Lewisville, TX 75057, USA

Detroit – Automotive Engineering Center

2601 Cambridge Court, Suite 320
Auburn Hills, MI 48326, USA

New York

395 Moreland Road
Hauppauge, NY 11788, USA

Silicon Valley

4935 Southfront Road, Suite F
Livermore, CA 94550, USA

United States



USA Headquarters, East: Festo Corp., 395 Moreland Road, Hauppauge, NY 11788

Phone: 1.631.435.0800; Fax: 1.631.435.8026;

Email: info@festo-usa.com

www.festo.com/us

Canada



Headquarters: Festo Inc., 5300 Explorer Drive, Mississauga, Ontario L4W 5G4

Phone: 1.905.624.9000; Fax: 1.905.624.9001;

Email: festo.canada@ca.festo.com

www.festo.ca

Mexico



Headquarters: Festo Pneumatic, S.A., Av. Ceylán 3, Col. Tequesquahuac,
54020 Tlalneapantla, Edo. de México

Phone: 011 52 [55] 53 21 66 00; Fax: 011 52 [55] 53 21 66 65;

Email: festo.mexico@mx.festo.com

www.festo.com/mx

Central USA

Festo Corporation
1441 East Business
Center Drive
Mt. Prospect, IL 60056, USA
Phone: 1.847.759.2600
Fax: 1.847.768.9480



Western USA

Festo Corporation
4935 Southfront Road,
Suite F
Livermore, CA 94550, USA
Phone: 1.925.371.1099
Fax: 1.925.245.1286



Festo Worldwide

Argentina Australia Austria Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia Czech Republic Denmark
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