M SERIES

M 90

Ordering-Example: **Special Sizes Available On Request.**

ISO 11901 - 1	VDI 3003 - Blatt 2	B2 4007 (BMW)	B8 3180 220 000 002(MB)
075.90.50 (FCA)	39D 878 (VW)		

SW

ACTIVE SAFETY

OSAS

USAS

OPAS

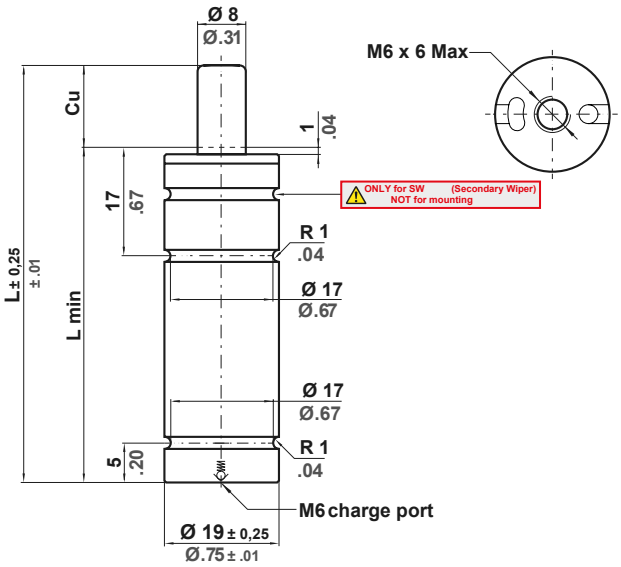
The new code will be supplied only when the old will be out of stock

*** $F1_i$ =** Isothermal end force at 100% Cu

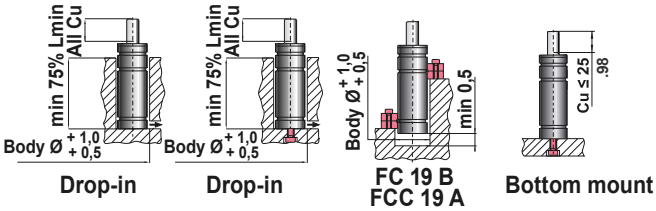
**** $F1_p$ =** Polytrophic end force at 100% Cu

Linkable with hoses

Micro 32°



Force color code	P		F_0 Initial force ± 5% +20°C +68°F	
	bar	psi	daN	lb
OR	10	145	5	11
PR	20	290	10	22
GR	60	870	30	67
BU	100	1450	50	112
RD	140	2030	70	157
YW	180	2610	90	202
BK	10-180	145-2610	5-90	11-202
Pressure to be specified when ordering.				



N2	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 10 bar 145 psi	S 0,50 cm² 0.078 in²	SPM ~ 100 - 150 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit Disposable

CODE PHASING OUT from 05/2019	NEW	Cu		L		L min		$F1_i$ End force *		$F1_p$ End force **		V0				PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm³	in³	~Kg	~lb	
M90 - 007 - A - ...	M90 - 007 - B - ...	7	0.28	56	2.20	49	1.93	1,21 x F0		1,39 x F0		2,3	0.14	0,07	0.15	✓
M90 - 010 - A - ...	M90 - 010 - B - ...	10	0.39	62	2.44	52	2.05	1,25 x F0		1,44 x F0		2,9	0.18	0,07	0.15	✓
M90 - 013 - A - ...	M90 - 013 - B - ...	12,7	0.50	67,4	2.65	54,7	2.15	1,27 x F0		1,48 x F0		3,4	0.21	0,08	0.18	✓
M90 - 015 - A - ...	M90 - 015 - B - ...	15	0.59	72	2.83	57	2.24	1,28 x F0		1,50 x F0		3,9	0.24	0,08	0.18	✓
M90 - 025 - A - ...	M90 - 025 - B - ...	25	0.98	92	3.62	67	2.64	1,32 x F0		1,57 x F0		5,8	0.35	0,09	0.20	✓
M90 - 038 - A - ...	M90 - 038 - B - ...	38,1	1.50	118,2	4.65	80,1	3.15	1,35 x F0		1,60 x F0		8,4	0.51	0,11	0.24	✓
M90 - 050 - A - ...	M90 - 050 - B - ...	50	1.97	142	5.59	92	3.62	1,36 x F0		1,62 x F0		10,8	0.66	0,12	0.26	✓
M90 - 063 - A - ...	M90 - 063 - B - ...	63,5	2.50	172	6.77	108,5	4.27	1,36 x F0		1,62 x F0		13,7	0.84	0,14	0.31	✓
M90 - 080 - A - ...	M90 - 080 - B - ...	80	3.15	205	8.07	125	4.92	1,37 x F0		1,64 x F0		17	1.04	0,15	0.33	✓
M90 - 100 - A - ...	M90 - 100 - B - ...	100	3.94	245	9.65	145	5.71	1,37 x F0		1,65 x F0		20,9	1.28	0,17	0.37	✓
M90 - 125 - A - ...	M90 - 125 - B - ...	125	4.92	295	11.61	170	6.69	1,38 x F0		1,66 x F0		25,8	1.57	0,20	0.44	✓