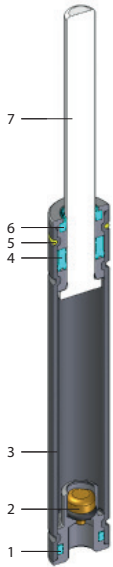
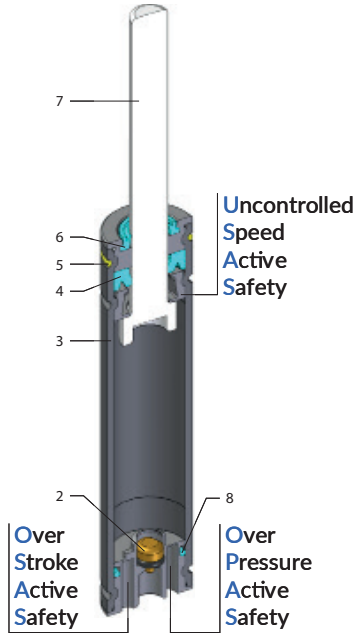


**CILINDRO M**  
**GAS SPRING M**

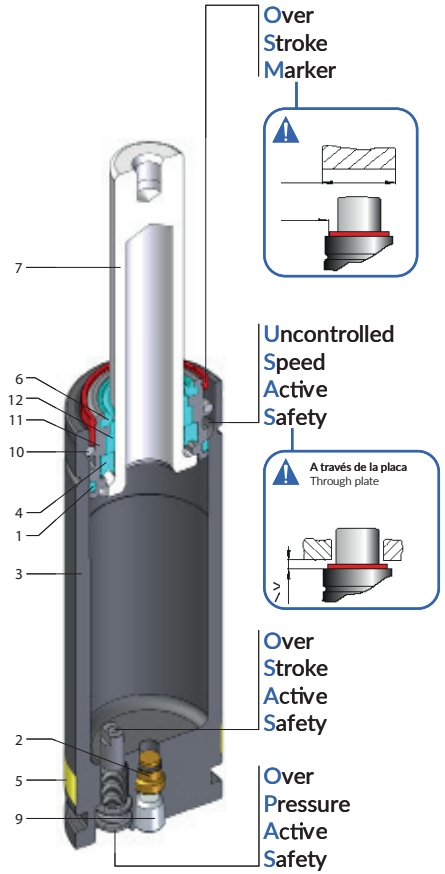
STOCK



M 50 - M 70



M 90 - M 200



M 300

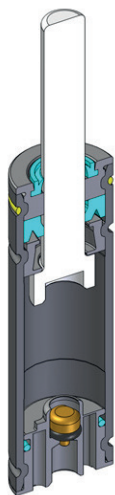
Standard: VDI

Model	Body Ø	Stroke Cu	Initial force F0	OSAS	USAS	OPAS	SKUDO	SW (optional)
	mm	mm	daN					
M50	12	7 - 125	6 - 50	-	-	-	-	•
M70	15	7 - 125	8 - 70	-	-	-	-	•
M90	19	7 - 125	5 - 90	•	•	•	-	•
M200	25	7 - 125	17 - 200	•	•	•	-	•
M300	32	7 - 125	80 - 320	•	•	-	-	•

1	Anillo dual / Dual ring seal
2	Válvula / Valve
3	Cuerpo / Body
4	Retén / Rod seal
5	Código de color de fuerza / Force color code
6	Retén / Rod wiper
7	Vástago (Nitrurado) / Rod (Nitrited Super finished)
8	Anillo-O / O-ring
9	Tapón / Stopper
10	Anillo de retención / Retaining ring
11	Casquillo / Bush
12	Anillo guía / Guide ring

## CILINDRO M GAS SPRING M

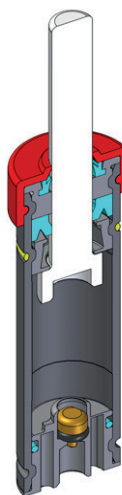
Versiones disponibles  
Available versions



Standard code



Cilindro  
GAS SPRING



Standard code + W



Cilindro  
GAS SPRING  
+  
Rascador secundario  
Secondary wiper



See p. Ct163

# CILINDRO M 200 GAS SPRING M 200



SW

Active safety

\*  $F_{1_i}$  =  
Isothermal end  
force at 100% Cu

\*  $F_{1_p}$  =  
Polytrophic end  
force at 100% Cu

Linkable with hoses



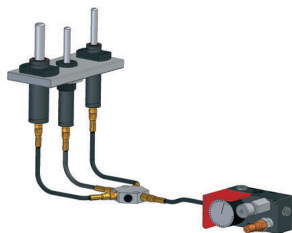
OSAS



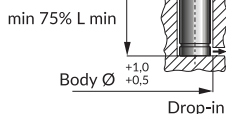
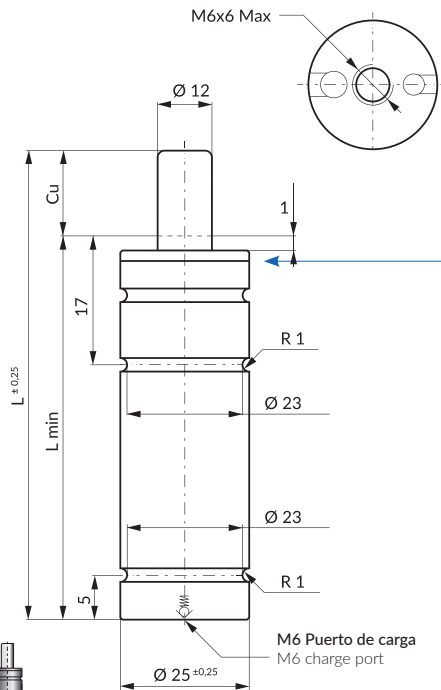
USAS



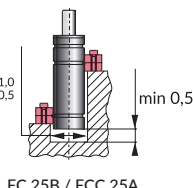
OPAS



Assembly recommendation



Drop-in



FC 25B / FCC 25A



Bottom mount

⚠ Only for SW (Secondary Wiper). Not for mounting.

Standard: ISO 11901-1, VDI 3003-Blatt 2

		$\Delta P$	P max	P min	S	SPM	Max Speed	Maintenance kit
N <sub>2</sub>	0 - 80°C	± 0,33 % / °C	180 bar	10 bar	1,13 cm <sup>2</sup>	~50 - 80 (at 20°)	1,8 m/s	Not available

Code	Cu	L	L min	F <sub>0</sub>	F <sub>1</sub>	V <sub>0</sub>	
	mm	mm	mm	Initial force daN	End force* daN	cm <sup>3</sup> ~Kg	
M200 007	7	56	49	1,30 x F <sub>0</sub>	1,50 x F <sub>0</sub>	4	0,12
M200 010	10	62	52	1,34 x F <sub>0</sub>	1,57 x F <sub>0</sub>	5,2	0,13
M200 013	12,7	67,4	54,7	1,37 x F <sub>0</sub>	1,62 x F <sub>0</sub>	6,2	0,13
M200 015	15	72	57	1,38 x F <sub>0</sub>	1,64 x F <sub>0</sub>	7	0,14
M200 016	16	74	58	1,39 x F <sub>0</sub>	1,65 x F <sub>0</sub>	7,4	0,14
M200 025	25	92	67	1,43 x F <sub>0</sub>	1,72 x F <sub>0</sub>	10,8	0,16
M200 038	38,1	118,2	80,1	1,46 x F <sub>0</sub>	1,77 x F <sub>0</sub>	15,7	0,19
M200 050	50	142	92	1,47 x F <sub>0</sub>	1,79 x F <sub>0</sub>	20,2	0,20
M200 063	63,5	172	108,5	1,48 x F <sub>0</sub>	1,81 x F <sub>0</sub>	25,2	0,23
M200 080	80	205	125	1,49 x F <sub>0</sub>	1,83 x F <sub>0</sub>	31,2	0,26
M200 100	100	245	145	1,50 x F <sub>0</sub>	1,83 x F <sub>0</sub>	38,7	0,30
M200 125	125	295	170	1,50 x F <sub>0</sub>	1,84 x F <sub>0</sub>	48,1	0,34

P = Nominal charging pressure

Force color code	P	F <sub>0</sub>
	bar	Initial force ± 5%   +20°C daN
OR	15	17
PR	25	28
GR	45	50
BU	90	100
RD	135	150
YW	180	200
BK	10-180	11-200

How to order: Code + Force color code