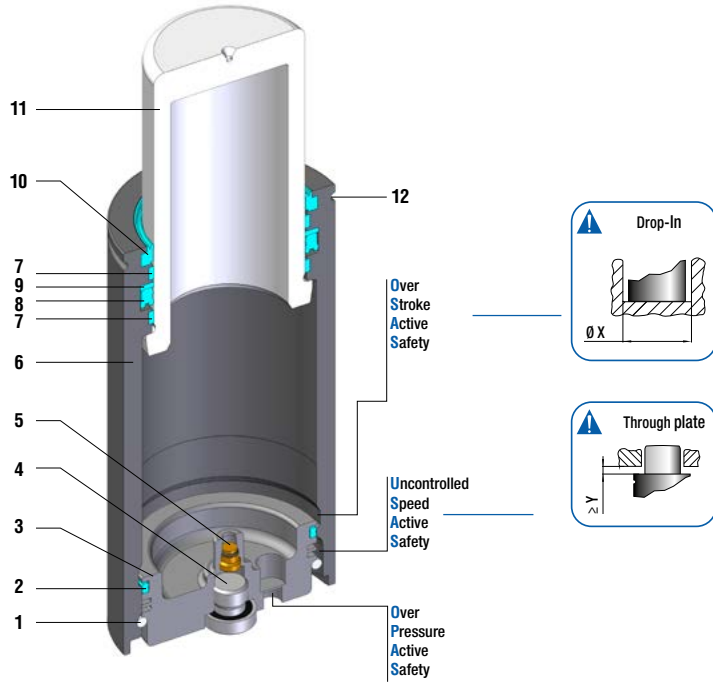


**CILINDRO ML**  
**GAS SPRING ML**  
**RESSORT À GAZ ML**

STOCK



Model	Body Ø	Stroke Cu	Initial force F0	OSAS	USAS	OPAS	SKUDO	SW (optional)
	mm	mm	daN					
ML 300	25	10 - 80	310	•	•	-	-	•
ML 500	32	10 - 80	510	•	•	-	-	•
ML 100	38	10 - 80	980	•	•	•	-	•
ML 1800	50	15 - 80	1925	•	•	•	-	•
ML 3000	63	15 - 80	3180	•	•	•	-	•
ML 4700	75	15 - 80	4925	•	•	•	-	•

1	Anillo de retención / Retaining ring / Bague de retenue
2	Anillo dual / Dual ring seal / Bague à double joints
3	Base inferior / Bottom base / Base inférieure
4	Tapón / Plug / Bouchon
5	Válvula / Valve / Valve
6	Cuerpo / Body / Corp
7	Anillo guía / Guide ring / Bague de guidage
8	Anillo de retención / Retaining ring / Bague de retenue
9	Anillo antiextrusión / Back-up ring / Bague de secours
10	Rascador / Rod wiper / Racleur de tige
11	Vástago (nitruado) / Rod (nitrited super finished) / Tige (nitrité super fini)
12	Ranura para el rascador secundario / Groove for secondary wiper / Rainure pour racleur secondaire

**CILINDRO ML 1000**  
**GAS SPRING ML 1000**  
**RESSORT À GAZ ML 1000**



Active safety



OSAS



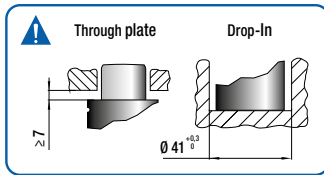
USAS



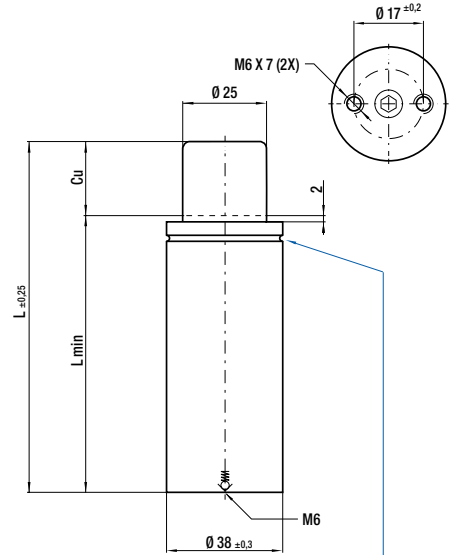
OPAS

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

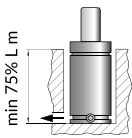
\*  $F_{1p}$  = Polytropic end force at 100% Cu



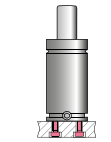
Assembly recommendation



⚠ Not for mounting



Drop-in



Bottom mount

		$\Delta P$ ± 0,33 % / °C	P max 200 bar	P min 20 bar	S 4,91 cm <sup>2</sup>	SPM ~40 -80 (at 20°)	Max Speed 1,6 m/s	Maintenance kit 39BMMML01000C
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Code	Cu	L	L min	F0 Initial force	F <sub>1i</sub> End force*	F <sub>1p</sub> End force*	V0	
	mm	mm	mm	daN	daN	daN	cm <sup>3</sup>	
ML 1000 010	10	75	65	980 ± 5%	1377	1550	21,6	•
ML 1000 015	15	85	70		1509	1731	26,3	
ML 1000 025	25	105	80		1700	1999	35,8	
ML 1000 038	38	135	97	200 bar	1782	2116	51	•
ML 1000 050	50	160	110		1871	2244	63,1	
ML 1000 063	63	205	142		1721	2028	88,8	
ML 1000 080	80	240	160	+20°C	1805	2149	105,6	•

How to order: Code