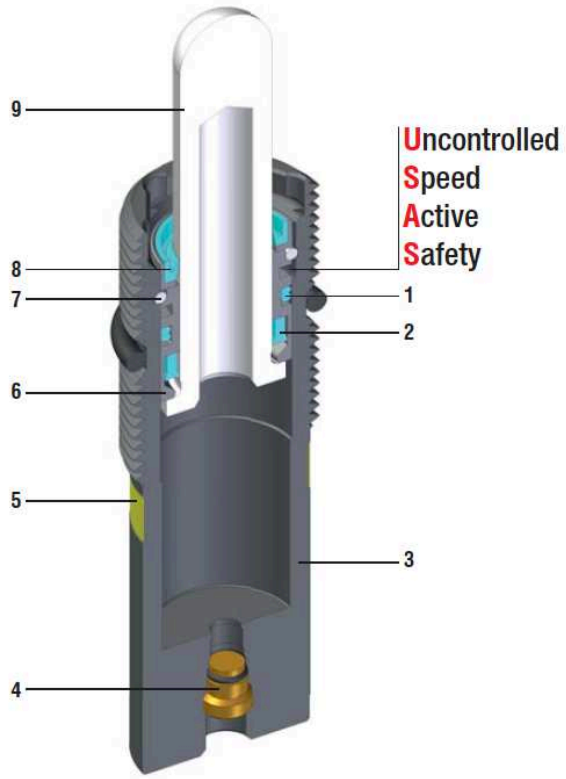
NE SERIES

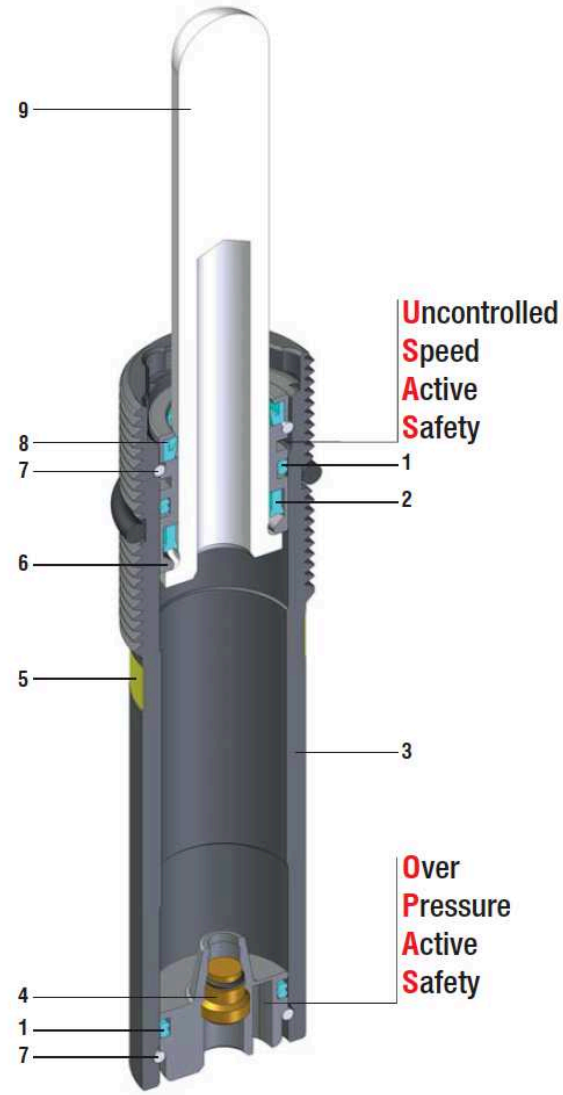
VDI	BMW	Ford
VW		

NG SERIES ■

VDI	GM	FCA



Cu 10 ÷ 50



Cu 60 ÷ 125

- Gas ejectors

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

1	Dual ring seal	**6**	Bush
2	Rod seal	**7**	Retaining ring
3	Body	**8**	Rod wiper
4	Valve	**9**	Rod (nitrited superfinished)
5	Force color code		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0		OSAS	USAS	OPAS	SKUDO
	mm	inch	mm	inch	daN	lb				
NE 16 x 1,5	M 16 x 1,5	M 16 x 1.5	10 - 125	0.39 - 4.92	3 - 42	7 - 95	-	✓	-	-
NE 16 x 2	M 16 x 2	M 16 x 2	10 - 125	0.39 - 4.92	3 - 42	7 - 95	-	✓	-	-
NG 16 x 1,5	M 16 x 1,5	M 16 x 1.5	10 - 100	0.39 - 3.94	3 - 42	7 - 95	-	✓	-	-
NE 24 x 1,5	M 24 x 1,5	M 24 x 1.5	10 - 50	0.39 - 1.97	11 - 170	25 - 382	-	✓	-	-
NE 24 x 1,5	M 24 x 1,5	M 24 x 1.5	60 - 125	2.36 - 4.92	11 - 170	25 - 382	-	✓	✓	-
NG 24 x 1,5	M 24 x 1,5	M 24 x 1.5	10 - 50	0.39 - 1.97	11 - 170	25 - 382	-	✓	-	-
NG 24 x 1,5	M 24 x 1,5	M 24 x 1.5	60 - 100	2.36 - 3.94	11 - 170	25 - 382	-	✓	✓	-

HOW TO ORDER

Series
Model
Stroke
Revision code
Force color code

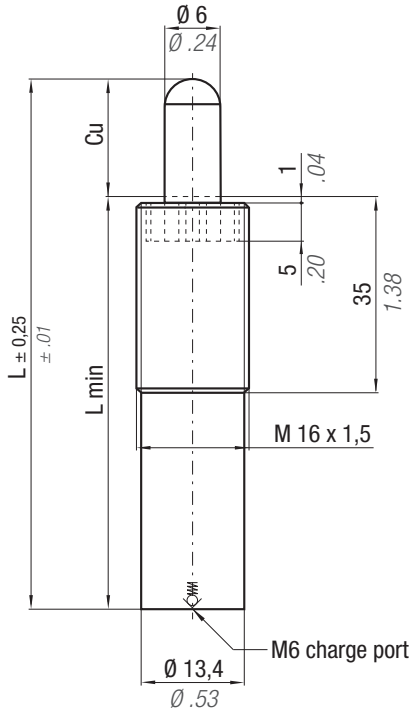
NE 16x1.5-050-B - RD

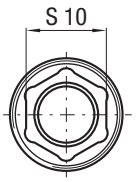
EN Self-contained cylinder code

EN Identification of initiali forces (see "force color code" chart), if not specifi ed, it is always intended as maximum force YW. For different forces BK + Fo required

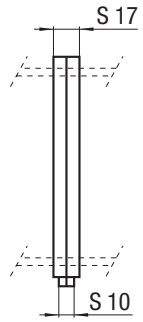
VDI 3004	B2 4036 (BMW)	075.90.40 (FCA)	W-DX35-60M (Ford)
90.25.97 (GM)	90.25.28 (GM)	39D 549 (VW)	

NG 16 x 1.5





cod. 39CM01A
(optional)



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

p. 16

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

ACTIVE SAFETY

NE
NG

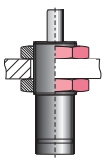
USAS

N_2	°F 32 – 176 / °C 0 – 80	ΔP	P max	P min	S	SPM	Max Speed	Maintenance kit
		± 0,33 %/°C	150 bar *2175 psi*	10 bar *145 psi*	0,28 cm² *0.043 in²*	~ 50 - 100 (at 20°C)	1,8 m/s	Disposable

CODE	Cu		L		L min				PED 2014/68/EU
	mm	*inch*	mm	*inch*	mm	*inch*	~Kg	*~lb*	
NG 16 x 1,5-010-A-...	10	*0.39*	80	*3.15*	70	*2.76*	0,05	*0.11*	✓
NG 16 x 1,5-020-A-...	20	*0.79*	100	*3.94*	80	*3.15*	0,06	*0.13*	✓
NG 16 x 1,5-030-A-...	30	*1.18*	120	*4.72*	90	*3.54*	0,07	*0.15*	✓
NG 16 x 1,5-040-A-...	40	*1.57*	140	*5.51*	100	*3.94*	0,07	*0.15*	✓
NG 16 x 1,5-050-A-...	50	*1.97*	160	*6.30*	110	*4.33*	0,08	*0.18*	✓
NG 16 x 1,5-060-A-...	60	*2.36*	180	*7.09*	120	*4.72*	0,08	*0.18*	✓
NG 16 x 1,5-070-A-...	70	*2.76*	200	*7.87*	130	*5.12*	0,09	*0.20*	✓
NG 16 x 1,5-080-A-...	80	*3.15*	220	*8.66*	140	*5.51*	0,10	*0.22*	✓
NG 16 x 1,5-100-A-...	100	*3.94*	260	*10.24*	160	*6.30*	0,11	*0.24*	✓

Force color code	P		F0 Initial force ± 5% +20°C *+68°F*		$F1_i$ End force*	$F1_p$ End force**
	bar	*psi*	daN	*lb*		
GR	20	*290*	6	*13*	1,39 x F0	1,67 x F0
BU	40	*580*	11	*25*	1,39 x F0	1,67 x F0
RD	75	*1088*	21	*47*	1,39 x F0	1,67 x F0
YW	150	*2175*	42	*94*	1,39 x F0	1,67 x F0
BK	10-150	*145-2175*	3-42	*7-95*	1,39 x F0	1,67 x F0

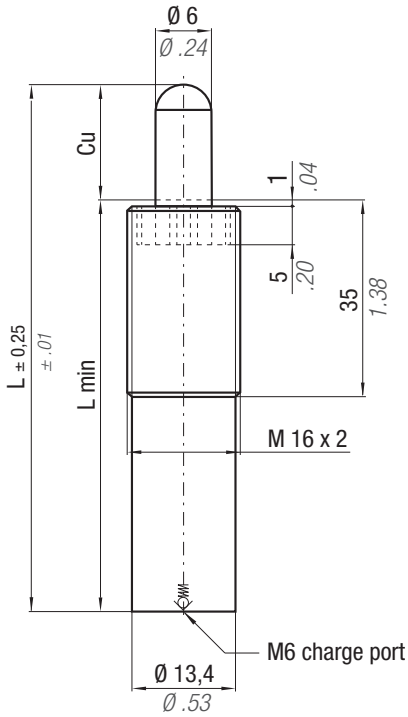
P = nominal charging pressure

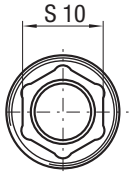


DM 16

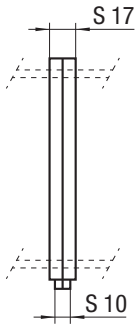
HOW TO ORDER

(10 pcs) NG16x1.5-050-A-YW





cod. 39CM01A
(optional)



*** $F1_i$ =**
Isothermal end force at 100% Cu p. 16

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

ACTIVE SAFETY

NE
NG

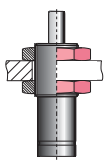
USAS

N_2	°F 32 - 176 / °C 0 - 80	ΔP	P max	P min	S	SPM	Max Speed	Maintenance kit
		± 0,33 %/°C	150 bar *2175 psi*	10 bar *145 psi*	0,28 cm² *0.043 in²*	~ 50 - 100 (at 20°C)	1,8 m/s	Disposable

CODE	Cu		L		L min				PED 2014/68/EU
	mm	*inch*	mm	*inch*	mm	*inch*	~Kg	*~lb*	
NE 16 x 2-010-B-...	10	*0.39*	65	*2.56*	55	*2.17*	0,05	*0.11*	✓
NE 16 x 2-020-B-...	20	*0.79*	85	*3.35*	65	*2.56*	0,06	*0.13*	✓
NE 16 x 2-030-B-...	30	*1.18*	105	*4.13*	75	*2.95*	0,07	*0.15*	✓
NE 16 x 2-040-B-...	40	*1.57*	125	*4.92*	85	*3.35*	0,07	*0.15*	✓
NE 16 x 2-050-B-...	50	*1.97*	145	*5.71*	95	*3.74*	0,08	*0.18*	✓
NE 16 x 2-060-B-...	60	*2.36*	165	*6.50*	105	*4.13*	0,08	*0.18*	✓
NE 16 x 2-070-B-...	70	*2.76*	185	*7.28*	115	*4.53*	0,09	*0.20*	✓
NE 16 x 2-080-B-...	80	*3.15*	205	*8.07*	125	*4.92*	0,10	*0.22*	✓
NE 16 x 2-100-B-...	100	*3.94*	245	*9.65*	145	*5.71*	0,11	*0.24*	✓
NE 16 x 2-125-B-...	125	*4.92*	295	*11.61*	170	*6.69*	0,12	*0.26*	✓

Force color code	P		F0 Initial force ± 5% +20°C *+68°F*		$F1_i$ End force*	$F1_p$ End force**
	bar	*psi*	daN	*lb*		
PR	12	*174*	4	*9*	1,56 x F0	2,03 x F0
GR	20	*290*	6	*14*	1,56 x F0	2,03 x F0
BU	40	*580*	11	*25*	1,56 x F0	2,03 x F0
RD	75	*1088*	21	*47*	1,56 x F0	2,03 x F0
YW	150	*2175*	42	*95*	1,56 x F0	2,03 x F0
BK	10-150	*145-2175*	3-42	*7-95*	1,56 x F0	2,03 x F0

P = nominal charging pressure



39DM16X2A

HOW TO ORDER

(10 pcs) NE16x2-050-B-YW