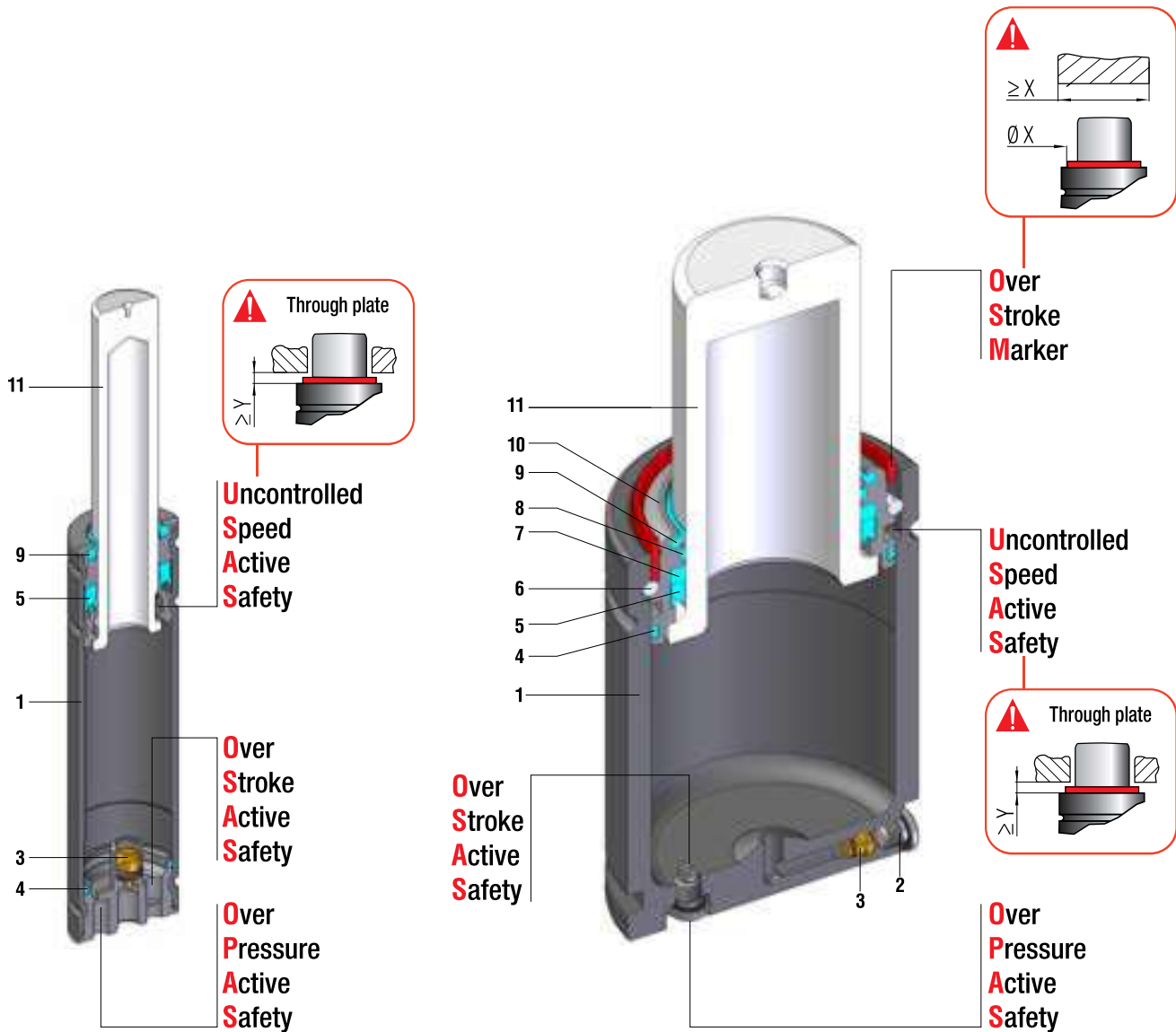


ISO	VDI	BMW	FCA
Ford	Mazda	MB	Nissan
PSA	Renault	VW	



RV 170 - RV 320

RV 350 ÷ RV 20000

Minima altezza, massima forza - Minimum height, maximum force - Minimale Höhe, maximale Kraft
 Hauteur minimale, force maximale - Mínima altura, máxima fuerza - Altura mínima, força máxima

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

1	Body	5	Rod seal	9	Rod wiper
2	Plug	6	Retaining ring	10	Bush
3	Valve	7	Back-up ring	11	Rod (nitrited superfinished)
4	Dual ring seal	8	Guide ring		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0						
	mm	inch	mm	inch	daN	lb	OSAS	USAS	OPAS	SKUDO	SW
RV 170	19	0.75	7 - 125	0.28 - 4.92	170	382	✓	✓	✓	-	✓
RV 320	25	0.98	7 - 125	0.28 - 4.92	320	719	✓	✓	✓	-	✓
RV 350	32	1.26	10 - 125	0.39 - 4.92	360	809	✓	✓	✓	-	✓
RV 500	38	1.50	10 - 125	0.39 - 4.92	470	1057	✓	✓	✓	-	✓
RV 750	45	1.77	10 - 125	0.39 - 4.92	740	1664	✓	✓	✓	-	✓
RV 1000	50	1.97	10 - 125	0.39 - 4.92	920	2068	✓	✓	✓	-	✓
RV 1200	50	1.97	10 - 125	0.39 - 4.92	1060	2383	✓	✓	✓	-	✓
RV 1500	63	2.48	10 - 125	0.39 - 4.92	1530	3440	✓	✓	✓	-	✓
RV 2400	75	2.95	10 - 125	0.39 - 4.92	2385	5362	✓	✓	✓	-	✓
RV 4200	95	3.74	16 - 125	0.63 - 4.92	4240	9532	✓	✓	✓	-	✓
RV 6600	120	4.72	16 - 125	0.63 - 4.92	6630	14905	✓	✓	✓	-	✓
RV 9500	150	5.91	19 - 125	0.75 - 4.92	9540	21447	✓	✓	✓	-	✓
RV 12000	150	5.91	19 - 125	0.75 - 4.92	11780	26470	✓	✓	✓	-	✓
RV 20000	195	7.68	19 - 125	0.75 - 4.92	19910	44738	✓	✓	✓	-	✓

✓ Built-in as standard

✓ Optional upon request

HOW TO ORDER

Series _____ Revision code _____

Model **RV 1000-063-B-E-W**

Stroke _____ Version _____

Available versions



RV 1000-063-B
Standard code



Self contained



RV 1000-063-B-W
Add "-W" to standard code



Self contained

+

Secondary wiper



RV 1000-063-B-N
Add "-N" to standard code



Linkable



RV 1000-063-B-N-W
Add "-N-W" to standard code



Linkable

+

Secondary wiper



RV 1000-063-B-E
Add "-E" to standard code



Easy
Manifold



RV 1000-063-B-E-W
Add "-E-W" to standard code



Easy
Manifold

+

Secondary wiper



Il nuovo codice sarà fornito solo ad esaurimento del vecchio -
The new code will be supplied only when the old will be out of stock -
Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist -
Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé -
El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo -
O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY



OSAS



USAS



OPAS

* $F_{1i} =$

Isothermal end force at 100% Cu



p. 16

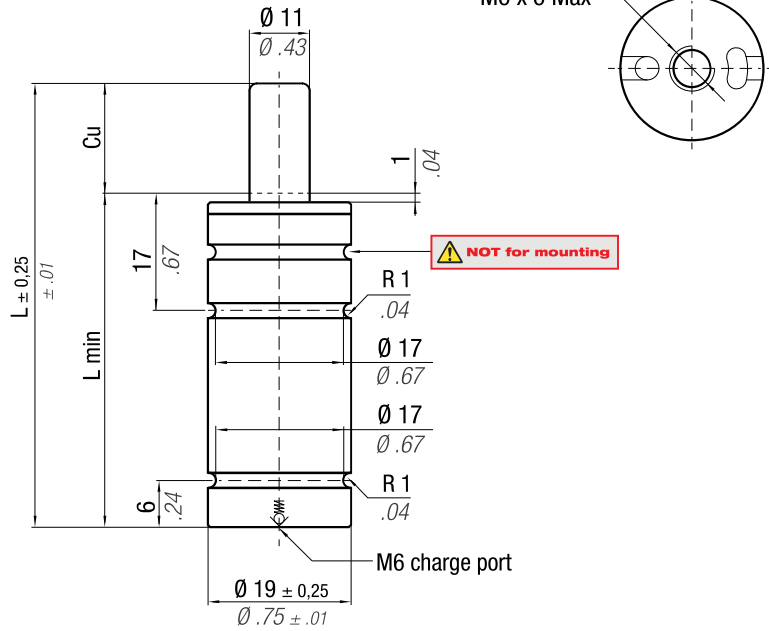
** $F_{1p} =$

Polytrophic end force at 100% Cu



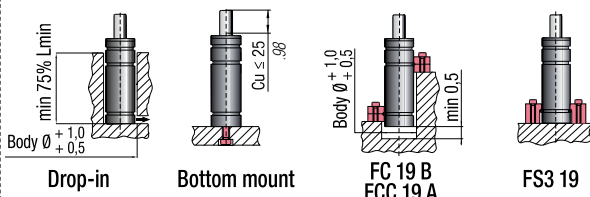
Collegabile con tubi
Linkable with hoses
Anschlussfähig mit Leitungen
Connectable with tubes
Conectable con mangueras
Acompláveis com tubos

Micro 32°



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 0,95 cm ² 0,147 in ²	SPM ~ 40 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit Disposable
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CODE PHASING OUT from 05/2019	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 170 - 007 - B	RV 170 - 007 - C	7	0.28	44	1.73	37	1.46	170 382 ± 5%	274	616	320	719	2,1	0.13	0,06	0.13	✓	
RV 170 - 010 - B	RV 170 - 010 - C	10	0.39	50	1.97	40	1.57		285	641	337	758	2,9	0.18	0,06	0.13	✓	
RV 170 - 013 - B	RV 170 - 013 - C	13	0.51	56	2.20	43	1.69		292	656	348	782	3,6	0.22	0,07	0.15	✓	
RV 170 - 015 - B	RV 170 - 015 - C	15	0.59	60	2.36	45	1.77		296	665	353	794	4,1	0.25	0,07	0.15	✓	
RV 170 - 019 - B	RV 170 - 019 - C	19	0.75	68	2.68	49	1.93		301	677	361	812	5,0	0.31	0,07	0.16	✓	
RV 170 - 025 - B	RV 170 - 025 - C	25	0.98	80	3.15	55	2.17		306	688	369	830	6,4	0.39	0,08	0.17	✓	
RV 170 - 032 - B	RV 170 - 032 - C	32	1.26	94	3.7	62	2.44		310	697	374	841	8,1	0.49	0,09	0.19	✓	
RV 170 - 038 - B	RV 170 - 038 - C	38	1.5	106	4.17	68	2.68		312	701	378	850	9,5	0.58	0,09	0.20	✓	
RV 170 - 050 - B	RV 170 - 050 - C	50	1.97	130	5.12	80	3.15		315	708	382	859	12,4	0.76	0,11	0.23	✓	
RV 170 - 063 - B	RV 170 - 063 - C	63	2.48	156	6.14	93	3.66		317	713	385	866	15,5	0.95	0,12	0.26	✓	
RV 170 - 075 - B	RV 170 - 075 - C	75	2.95	185	7.28	110	4.33		318	715	387	870	18,3	1.12	0,14	0.30	✓	
RV 170 - 080 - B	RV 170 - 080 - C	80	3.15	195	7.68	115	4.53		319	717	388	872	19,5	1.19	0,14	0.31	✓	
RV 170 - 100 - B	RV 170 - 100 - C	100	3.94	235	9.25	135	5.31		320	719	390	877	24,3	1.48	0,16	0.36	✓	
RV 170 - 125 - B	RV 170 - 125 - C	125	4.92	285	11.22	160	6.3		321	722	391	879	30,2	1.84	0,19	0.42	✓	

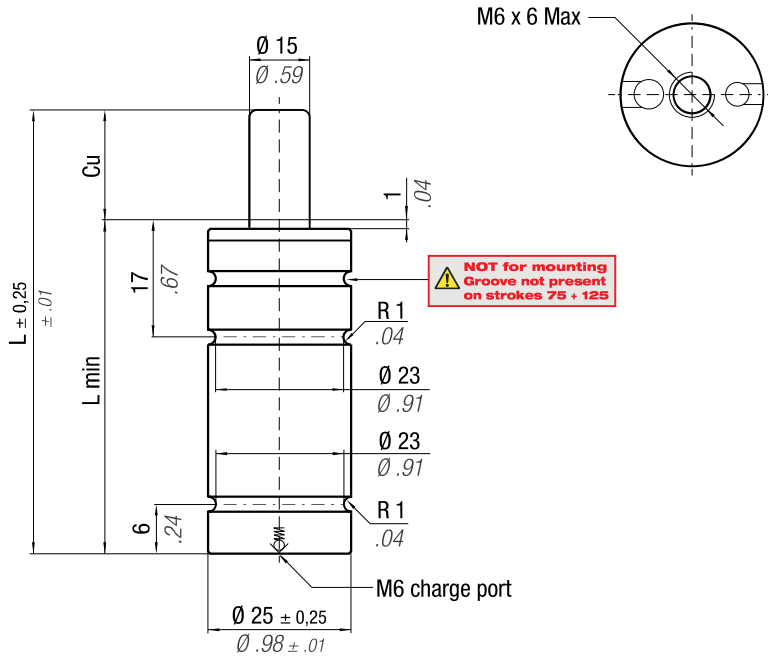


HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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* F_{1i} =

Isothermal end force at 100% Cu

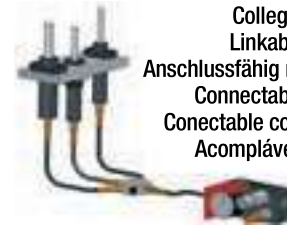


p. 16



** F_{1p} =

Polytropic end force at 100% Cu



Collegabile con tubi
Linkable with hoses
Anschlussfähig mit Leitungen
Connectable avec tubes
Conectable con mangueras
Acompláveis com tubos

Micro 32°



ACTIVE SAFETY



OSAS



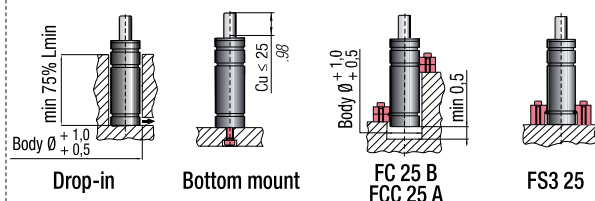
USAS



OPAS

	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 1,77 cm ² 0.27 in ²	SPM ~ 40 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit Disposable
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CODE PHASING OUT from 01/2020	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg ~lb		 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 320 - 007 - B	RV 320 - 007 - C	7	0.28	44	1.73	37	1.46			471	1059	540	1214	4,6	0.28	0,10	0.22	✓
RV 320 - 010 - B	RV 320 - 010 - C	10	0.39	50	1.97	40	1.57			495	1112	574	1291	6,0	0.37	0,10	0.23	✓
RV 320 - 013 - B	RV 320 - 013 - C	13	0.51	56	2.20	43	1.69			511	1148	598	1344	7,3	0.45	0,11	0.24	✓
RV 320 - 015 - B	RV 320 - 015 - C	15	0.59	60	2.36	45	1.77			519	1167	610	1371	8,2	0.50	0,11	0.24	✓
RV 320 - 019 - B	RV 320 - 019 - C	19	0.75	68	2.68	49	1.93	320	719	531	1195	628	1412	10,1	0.62	0,12	0.26	✓
RV 320 - 025 - B	RV 320 - 025 - C	25	0.98	80	3.15	55	2.17	± 5%		544	1223	647	1454	12,8	0.78	0,13	0.28	✓
RV 320 - 032 - B	RV 320 - 032 - C	32	1.26	94	3.70	62	2.44	180 bar 2610psi		553	1244	661	1486	15,9	0.97	0,14	0.31	✓
RV 320 - 038 - B	RV 320 - 038 - C	38	1.50	106	4.17	68	2.68			559	1257	669	1505	18,6	1.14	0,15	0.33	✓
RV 320 - 050 - B	RV 320 - 050 - C	50	1.97	130	5.12	80	3.15			567	1274	681	1531	24,1	1.47	0,17	0.37	✓
RV 320 - 063 - B	RV 320 - 063 - C	63	2.48	156	6.14	93	3.66	+ 20 °C +68 °F		572	1286	689	1549	29,9	1.82	0,19	0.42	✓
RV 320 - 075 - B	RV 320 - 075 - C	75	2.95	185	7.28	110	4.33			570	1282	686	1543	35,8	2.18	0,22	0.48	✓
RV 320 - 080 - B	RV 320 - 080 - C	80	3.15	195	7.68	115	4.53			572	1285	688	1548	38,1	2.33	0,23	0.50	✓
RV 320 - 100 - B	RV 320 - 100 - C	100	3.94	235	9.25	135	5.31			576	1295	695	1562	47,1	2.87	0,26	0.57	✓
RV 320 - 125 - B	RV 320 - 125 - C	125	4.92	285	11.22	160	6.30			580	1303	700	1574	58,4	3.56	0,30	0.66	✓



HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écolué

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



USAS

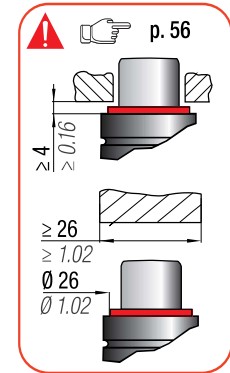
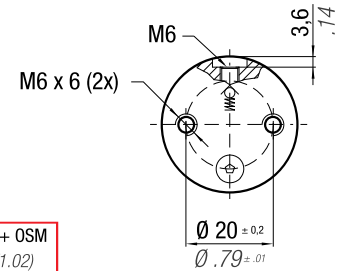
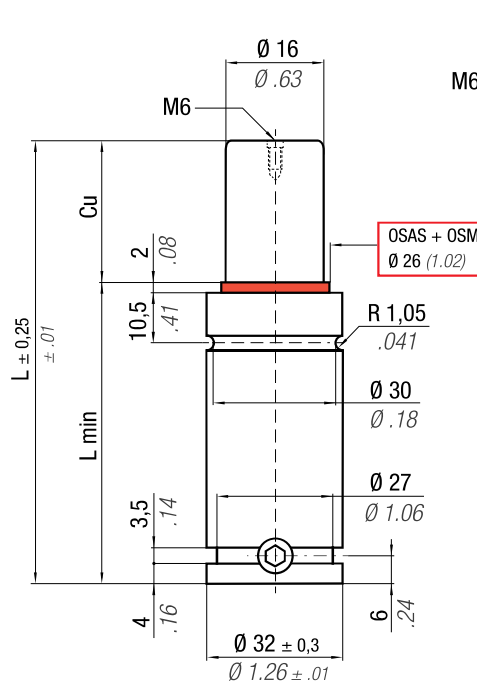


OPAS

easu MANIFOLD p. 247

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

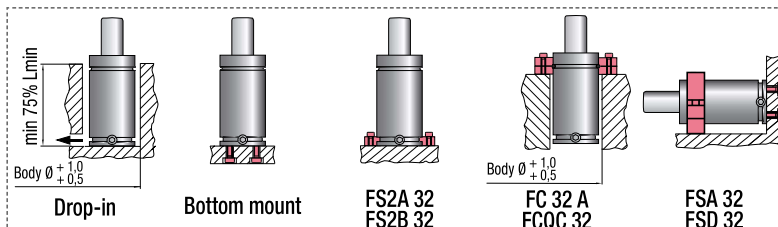
**** F_p** =
Polytropic
end force
at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 2,01 cm ² 0,312 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV00350C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀		F _i *		F _p **		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 350 - 010 - A	◆ RV 350 - 010 - B	10	0.39	50	1.97	40	1.57	360 809 ± 5%	180 bar 2610psi	531	1194	607	1366	7,7	0,47	0,17	0,36	✓
RV 350 - 013 - A	RV 350 - 013 - B	13	0.51	56	2.20	43	1.69			544	1224	627	1409	9,5	0,58	0,18	0,39	✓
RV 350 - 016 - A	RV 350 - 016 - B	16	0.63	62	2.44	46	1.81			554	1245	641	1440	11,2	0,68	0,19	0,41	✓
RV 350 - 019 - A	RV 350 - 019 - B	19	0.75	68	2.68	49	1.93			561	1261	651	1463	13,0	0,79	0,19	0,43	✓
RV 350 - 025 - A	RV 350 - 025 - B	25	0.98	80	3.15	55	2.17			571	1283	665	1496	16,6	1,01	0,21	0,47	✓
RV 350 - 032 - A	RV 350 - 032 - B	32	1.26	94	3.70	62	2.44			578	1300	676	1520	20,7	1,26	0,24	0,52	✓
RV 350 - 038 - A	RV 350 - 038 - B	38	1.50	106	4.17	68	2.68			583	1310	683	1535	24,3	1,48	0,26	0,56	✓
RV 350 - 050 - A	RV 350 - 050 - B	50	1.97	130	5.12	80	3.15			589	1323	691	1554	31,4	1,92	0,30	0,65	✓
RV 350 - 063 - A	RV 350 - 063 - B	63	2.48	156	6.14	93	3.66			593	1333	697	1568	39,1	2,39	0,34	0,74	✓
RV 350 - 075 - A	RV 350 - 075 - B	75	2.95	180	7.09	105	4.13			595	1338	701	1576	46,3	2,83	0,38	0,83	✓
RV 350 - 080 - A	RV 350 - 080 - B	80	3.15	190	7.48	110	4.33	596	1340	702	1579	49,2	3,00	0,39	0,86	✓		
RV 350 - 100 - A	RV 350 - 100 - B	100	3.94	230	9.06	130	5.12	599	1346	706	1588	61,1	3,73	0,46	1,01	✓		
RV 350 - 125 - A	RV 350 - 125 - B	125	4.92	280	11.02	155	6.10	606	1363	717	1613	74,9	4,57	0,54	1.18	✓		

◆ Disposable

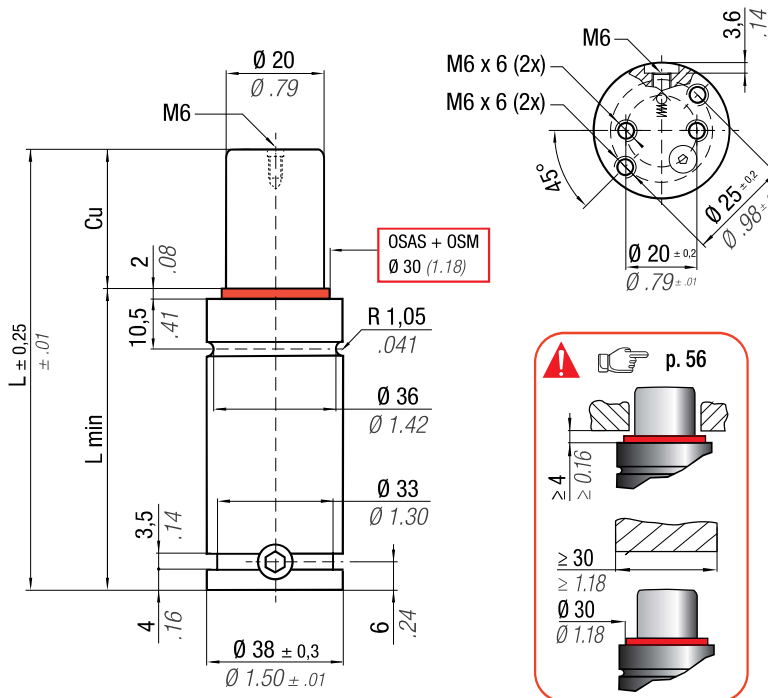


HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205

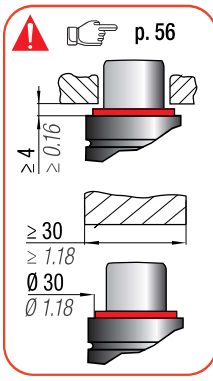


OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



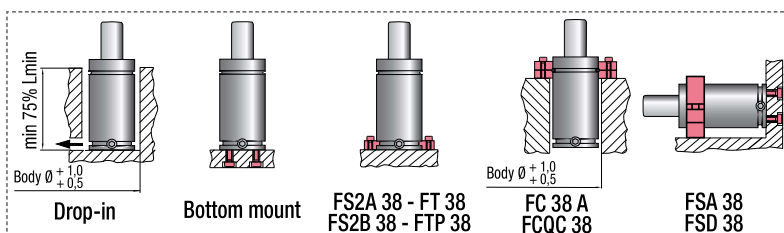
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu

N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 3,14 cm ² 0.487 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00500C
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CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀	F _{1i} *	F _{1p} **	V ₀	Weight	PED 2014/68/EU						
mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	cm ³	in ³	~Kg	~lb			
RV 500 - 010 - A	◆ RV 500 - 010 - B	10	0.39	50	1.97	40	1.57	696	1565	828	1862	11,2	0.68	0,27	0.60	✓
RV 500 - 013 - A	RV 500 - 013 - B	13	0.51	56	2.20	43	1.69	716	1609	859	1931	13,8	0.84	0,25	0.55	✓
RV 500 - 016 - A	RV 500 - 016 - B	16	0.63	62	2.44	46	1.81	730	1641	882	1982	16,3	0.99	0,26	0.57	✓
RV 500 - 019 - A	RV 500 - 019 - B	19	0.75	68	2.68	49	1.93	740	1664	899	2020	18,9	1.15	0,28	0.62	✓
RV 500 - 025 - A	RV 500 - 025 - B	25	0.98	80	3.15	55	2.17	755	1698	922	2074	24,0	1.46	0,31	0.68	✓
RV 500 - 032 - A	RV 500 - 032 - B	32	1.26	94	3.70	62	2.44	766	1723	941	2115	30,0	1.83	0,34	0.75	✓
RV 500 - 038 - A	RV 500 - 038 - B	38	1.50	106	4.17	68	2.68	773	1738	952	2140	35,1	2.14	0,37	0.82	✓
RV 500 - 050 - A	RV 500 - 050 - B	50	1.97	130	5.12	80	3.15	782	1759	967	2173	45,3	2.76	0,43	0.95	✓
RV 500 - 063 - A	RV 500 - 063 - B	63	2.48	156	6.14	93	3.66	789	1773	977	2196	56,4	3.44	0,49	1.08	✓
RV 500 - 075 - A	RV 500 - 075 - B	75	2.95	180	7.09	105	4.13	792	1782	984	2211	66,6	4.06	0,54	1.19	✓
RV 500 - 080 - A	RV 500 - 080 - B	80	3.15	190	7.48	110	4.33	794	1785	986	2216	70,8	4.32	0,57	1.26	✓
RV 500 - 100 - A	RV 500 - 100 - B	100	3.94	230	9.06	130	5.12	798	1794	992	2231	87,9	5.36	0,66	1.46	✓
RV 500 - 125 - A	RV 500 - 125 - B	125	4.92	280	11.02	155	6.10	801	1801	998	2243	109,2	6.66	0,78	1.72	✓

◆ Disposable



HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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OSAS



USAS

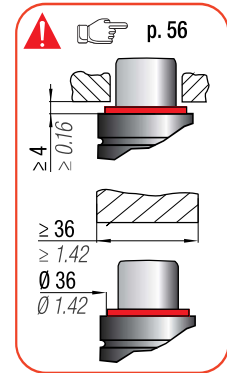
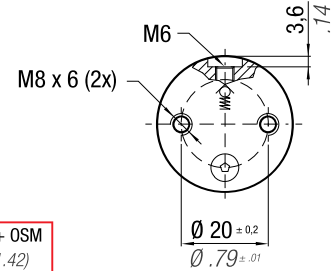
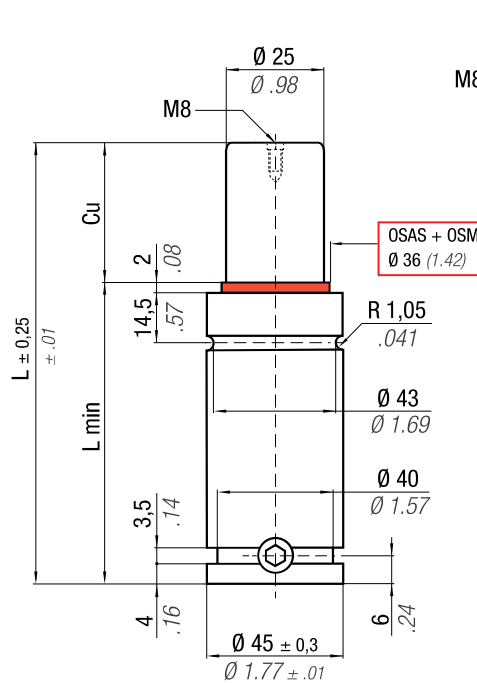


OPAS

easu MANIFOLD p. 247

* F_{1i} =
Isothermal
end force
at 100% Cu p. 16

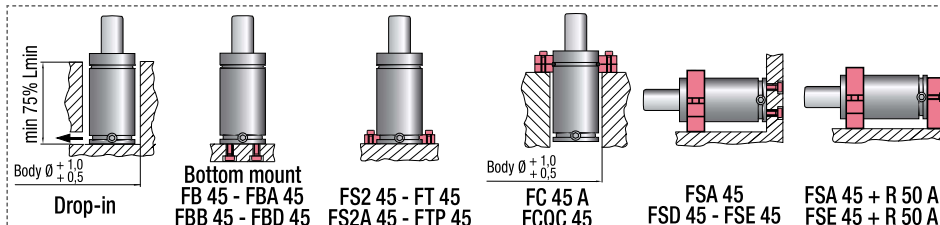
** F_{1p} =
Polytropic
end force
at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 4,91 cm ² 0,761 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00750C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀		F _{1i} *		F _{1p} **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 750 - 010 - A	◆ RV 750 - 010 - B	10	0.39	52	2.05	42	1.65	740 ± 5%	1664	1118	2514	1343	3018	16,6	1.01	0,36	0.79	✓
RV 750 - 013 - A	RV 750 - 013 - B	13	0.51	58	2.28	45	1.77			1152	2590	1396	3139	20,4	1.24	0,38	0.84	✓
RV 750 - 016 - A	RV 750 - 016 - B	16	0.63	64	2.52	48	1.89			1176	2644	1435	3227	24,1	1.47	0,40	0.88	✓
RV 750 - 019 - A	RV 750 - 019 - B	19	0.75	70	2.76	51	2.01			1194	2685	1465	3293	27,9	1.70	0,42	0.93	✓
RV 750 - 025 - A	RV 750 - 025 - B	25	0.98	82	3.23	57	2.24			1220	2743	1507	3388	35,5	2.17	0,45	0.99	✓
RV 750 - 032 - A	RV 750 - 032 - B	32	1.26	96	3.78	64	2.52			1240	2787	1539	3460	44,3	2.70	0,50	1.10	✓
RV 750 - 038 - A	RV 750 - 038 - B	38	1.50	108	4.25	70	2.76			1251	2813	1558	3503	51,9	3.17	0,54	1.19	✓
RV 750 - 050 - A	RV 750 - 050 - B	50	1.97	132	5.20	82	3.23			1267	2848	1584	3562	67,0	4.09	0,61	1.34	✓
RV 750 - 063 - A	RV 750 - 063 - B	63	2.48	158	6.22	95	3.74			1278	2873	1602	3602	83,4	5.09	0,70	1.54	✓
RV 750 - 075 - A	RV 750 - 075 - B	75	2.95	182	7.17	107	4.21			1285	2888	1614	3628	98,5	6.01	0,78	1.72	✓
RV 750 - 080 - A	RV 750 - 080 - B	80	3.15	192	7.56	112	4.41			1287	2893	1618	3637	104,8	6.40	0,81	1.79	✓
RV 750 - 100 - A	RV 750 - 100 - B	100	3.94	232	9.13	132	5.20			1294	2909	1629	3663	130,1	7.94	0,94	2.07	✓
RV 750 - 125 - A	RV 750 - 125 - B	125	4.92	282	11.10	157	6.18			1300	2922	1639	3685	161,6	9.86	1,10	2.43	✓

◆ Disposable



HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

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OSAS



USAS

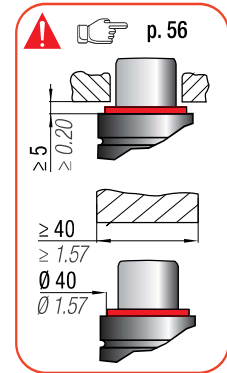
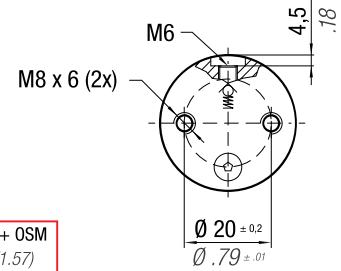
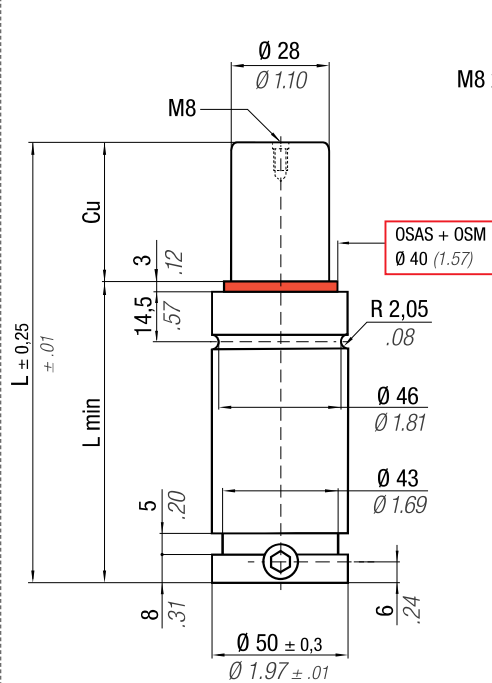


OPAS

easu MANIFOLD p. 247

* F_{1i} =
Isothermal
end force p. 16

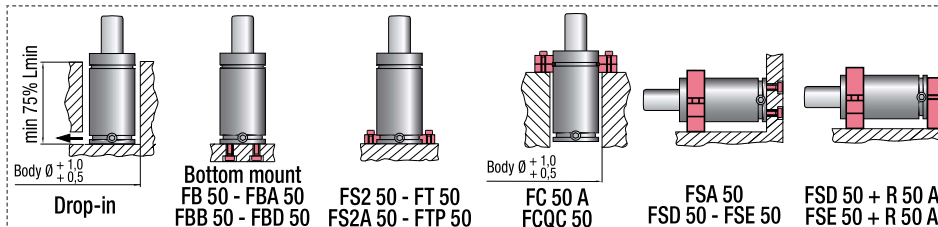
** F_{1p} =
Polytropic
end force
at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 170 bar 2465 psi	P min 20 bar 290 psi	S 6,15 cm ² 0,953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀		F _{1i} *		F _{1p} **		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 1200 - 010 - A	◆ RV 1200 - 010 - B	10	0.39	58	2.28	48	1.89	1046 ± 5%	2352	1519	3414	1752	3939	23,7	1,45	0,49	1,08	✓
RV 1200 - 013 - A	◆ RV 1200 - 013 - B	13	0.51	64	2.52	51	2.01			1577	3546	1839	4135	28,4	1,73	0,51	1,12	✓
RV 1200 - 016 - A	RV 1200 - 016 - B	16	0.63	70	2.76	54	2.13			1622	3646	1906	4284	33,1	2,02	0,54	1,19	✓
RV 1200 - 019 - A	RV 1200 - 019 - B	19	0.75	76	2.99	57	2.24			1657	3725	1959	4403	37,7	2,30	0,56	1,23	✓
RV 1200 - 025 - A	RV 1200 - 025 - B	25	0.98	88	3.46	63	2.48			1709	3841	2037	4579	47,1	2,87	0,61	1,34	✓
RV 1200 - 032 - A	RV 1200 - 032 - B	32	1.26	102	4.02	70	2.76			1750	3934	2100	4721	58,0	3,54	0,67	1,48	✓
RV 1200 - 038 - A	RV 1200 - 038 - B	38	1.50	114	4.49	76	2.99			1776	3992	2139	4809	67,4	4,11	0,72	1,59	✓
RV 1200 - 050 - A	RV 1200 - 050 - B	50	1.97	138	5.43	88	3.46			1811	4072	2194	4932	86,1	5,25	0,81	1,79	✓
RV 1200 - 063 - A	RV 1200 - 063 - B	63	2.48	164	6.46	101	3.98			1836	4128	2233	5020	106,3	6,49	0,92	2,03	✓
RV 1200 - 075 - A	RV 1200 - 075 - B	75	2.95	188	7.40	113	4.45			1853	4165	2258	5077	125,0	7,63	1,01	2,23	✓
RV 1200 - 080 - A	RV 1200 - 080 - B	80	3.15	198	7.80	118	4.65	1858	4177	2267	5096	132,8	8,10	1,05	2,31	✓		
RV 1200 - 100 - A	RV 1200 - 100 - B	100	3.94	238	9.37	138	5.43	1875	4215	2293	5156	164,0	10,01	1,21	2,67	✓		
RV 1200 - 125 - A	RV 1200 - 125 - B	125	4.92	288	11.34	163	6.42	1889	4247	2315	5205	202,9	12,38	1,41	3,11	✓		

◆ Disposable

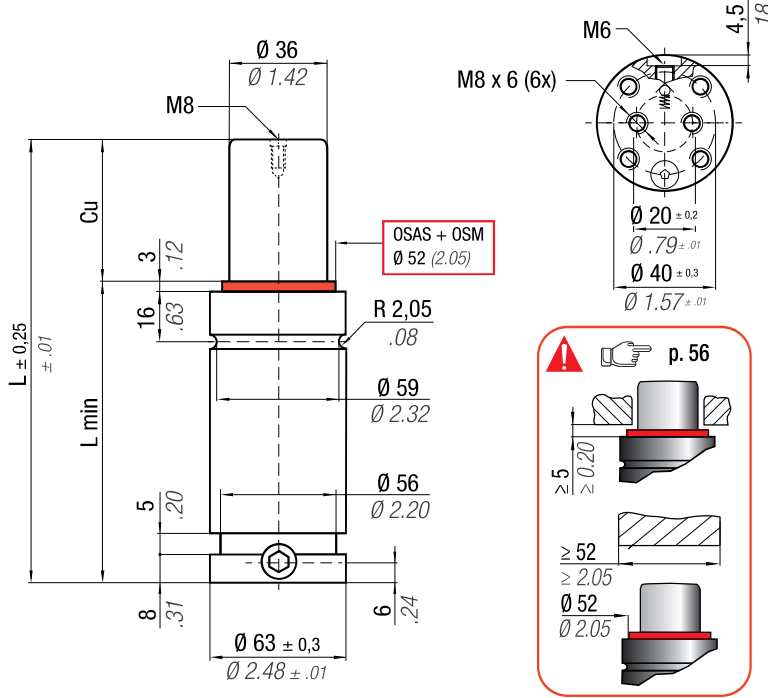


HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



OSAS



USAS



OPAS

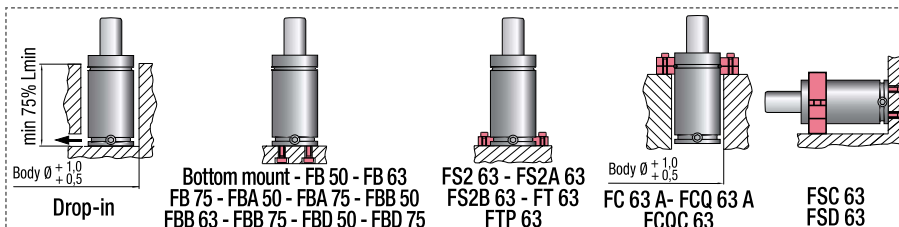
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu

	$0 - 80^\circ\text{C}$ $32 - 176^\circ\text{F}$	ΔP $\pm 0,33\% / ^\circ\text{C}$	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 10,18 cm ² 1.578 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01500C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb		
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³				
RV 1500 - 010 - B	◆ RV 1500 - 010 - C	10	0.39	64	2.52	54	2.13	1530 ± 5%	3440	2089	4697	2424	5448	44	2.69	0,88	1.94	✓	
RV 1500 - 013 - B	◆ RV 1500 - 013 - C	13	0.51	70	2.76	57	2.24			2168	4874	2546	5723	52	3.17	0,91	2.01	✓	
RV 1500 - 016 - B	RV 1500 - 016 - C	16	0.63	76	2.99	60	2.36			2230	5012	2642	5939	60	3.66	0,96	2.12	✓	
RV 1500 - 019 - B	RV 1500 - 019 - C	19	0.75	82	3.23	63	2.48			2279	5123	2720	6114	68	4.15	0,99	2.18	✓	
RV 1500 - 025 - B	RV 1500 - 025 - C	25	0.98	94	3.70	69	2.72			2353	5290	2838	6380	84	5.13	1,06	2.34	✓	
RV 1500 - 032 - B	RV 1500 - 032 - C	32	1.26	108	4.25	76	2.99			2414	5426	2935	6599	102	6.22	1,14	2.51	✓	
RV 1500 - 038 - B	RV 1500 - 038 - C	38	1.50	120	4.72	82	3.23			150 bar	2452	5512	2997	6738	118	7.20	1,21	2.67	✓
RV 1500 - 050 - B	RV 1500 - 050 - C	50	1.97	144	5.67	94	3.70			2175 psi	2506	5633	3085	6935	149	9.09	1,36	3.00	✓
RV 1500 - 063 - B	RV 1500 - 063 - C	63	2.48	170	6.69	107	4.21			2544	5720	3148	7078	184	11.23	1,52	3.35	✓	
RV 1500 - 075 - B	RV 1500 - 075 - C	75	2.95	194	7.64	119	4.69			+ 20 °C + 68 °F	2570	5777	3190	7172	215	13.12	1,66	3.66	✓
RV 1500 - 080 - B	RV 1500 - 080 - C	80	3.15	204	8.03	124	4.88	2578	5797	3204	7204	229	13.97	1,72	3.79	✓			
RV 1500 - 100 - B	RV 1500 - 100 - C	100	3.94	244	9.61	144	5.67	2605	5857	3249	7303	281	17.15	1,95	4.30	✓			
RV 1500 - 125 - B	RV 1500 - 125 - C	125	4.92	294	11.57	169	6.65	2628	5907	3286	7387	347	21.18	2,24	4.94	✓			

◆ Disposable



HOW TO ORDER

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INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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OSAS



USAS

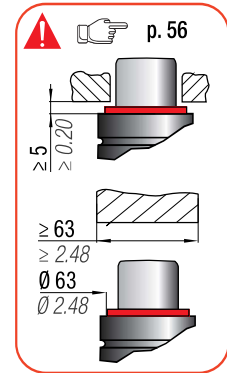
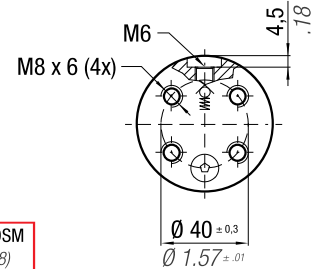
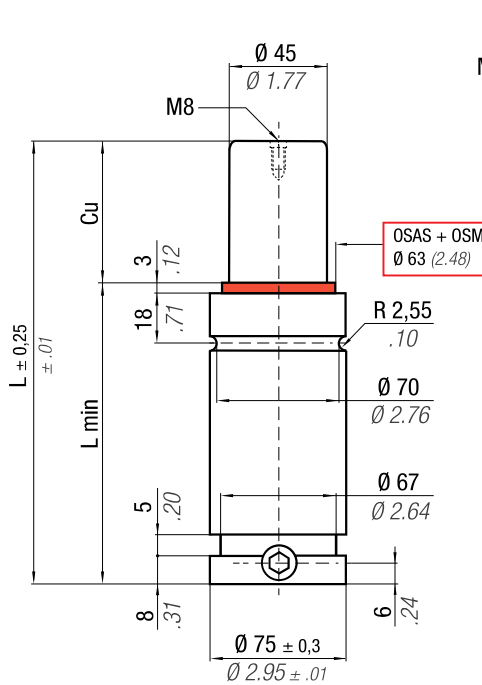


OPAS

easu MANIFOLD p. 247

* F_{1i} =
Isothermal end force at 100% Cu p. 16

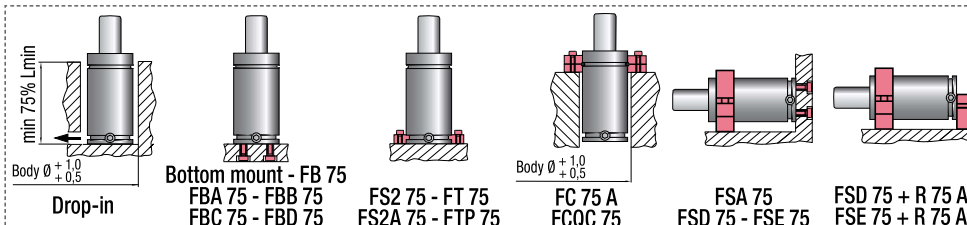
** F_{1p} =
Polytropic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 15,90 cm ² 2,465 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV02400D
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 2400 - 010 - A	♦ RV 2400 - 010 - B	10	0.39	65	2.56	55	2.17	2385 ± 5%	5362	3279	7372	3810	8564	68	4.15	1,25	2,76	✓
RV 2400 - 013 - A	♦ RV 2400 - 013 - B	13	0.51	71	2.80	58	2.28			3409	7663	4010	9015	80	4.88	1,30	2,87	✓
RV 2400 - 016 - A	♦ RV 2400 - 016 - B	16	0.63	77	3.03	61	2.40			3510	7891	4170	9374	92	5.61	1,35	2,98	✓
RV 2400 - 019 - A	♦ RV 2400 - 019 - B	19	0.75	83	3.27	64	2.52			3592	8075	4299	9665	104	6.35	1,40	3,09	✓
RV 2400 - 025 - A	RV 2400 - 025 - B	25	0.98	95	3.74	70	2.76			3716	8354	4498	10111	128	7.81	1,50	3,31	✓
RV 2400 - 032 - A	RV 2400 - 032 - B	32	1.26	109	4.29	77	3.03			3818	8583	4662	10481	156	9.52	1,61	3,55	✓
RV 2400 - 038 - A	RV 2400 - 038 - B	38	1.50	121	4.76	83	3.27			3883	8728	4767	10717	180	10.98	1,70	3,75	✓
RV 2400 - 050 - A	RV 2400 - 050 - B	50	1.97	145	5.71	95	3.74			3974	8935	4917	11054	228	13.91	1,89	4,17	✓
RV 2400 - 063 - A	RV 2400 - 063 - B	63	2.48	171	6.73	108	4.25			4041	9083	5026	11299	280	17.09	2,10	4,63	✓
RV 2400 - 075 - A	RV 2400 - 075 - B	75	2.95	195	7.68	120	4.72			4084	9181	5098	11461	328	20.02	2,29	5,05	✓
RV 2400 - 080 - A	RV 2400 - 080 - B	80	3.15	205	8.07	125	4.92	4099	9215	5123	11517	348	21.24	2,37	5,22	✓		
RV 2400 - 100 - A	RV 2400 - 100 - B	100	3.94	245	9.65	145	5.71	4145	9318	5199	11688	428	26.12	2,68	5,91	✓		
RV 2400 - 125 - A	RV 2400 - 125 - B	125	4.92	295	11.61	170	6.69	4183	9405	5264	11833	528	32.22	3,07	6,77	✓		

♦ Disposable



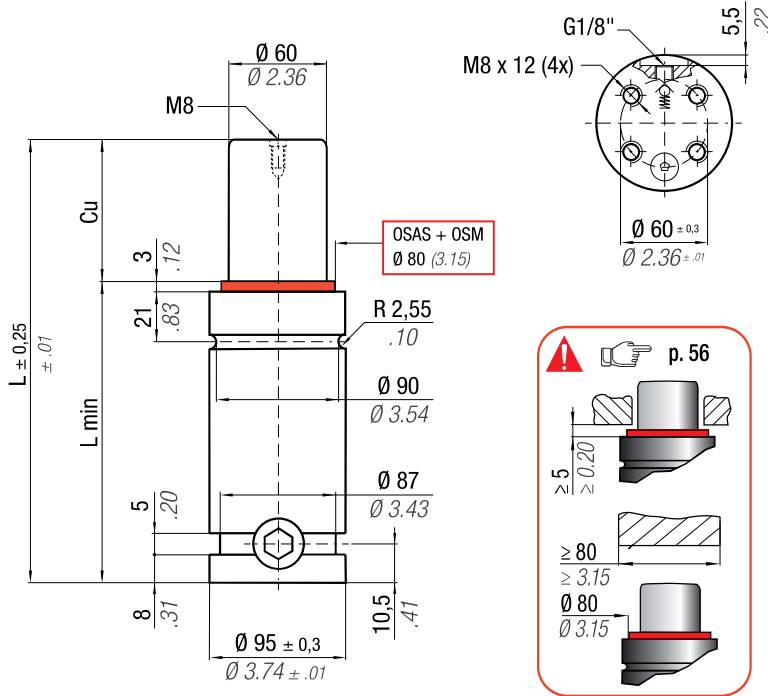
HOW TO ORDER

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INSTALLATION GUIDELINE

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ISO 11901 - 3	VDI 3003 - Blatt 3	B2 4005 (BMW)	075.90.60 (FCA)
W-DX35-6204 (Ford)	PG 24D (Mazda)	B8 3180 220 000 004(MB)	E24.54.815.G (PSA)
39D 997 (VW)			



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ACTIVE SAFETY



OSAS



USAS



OPAS

easu MANIPOL p. 247

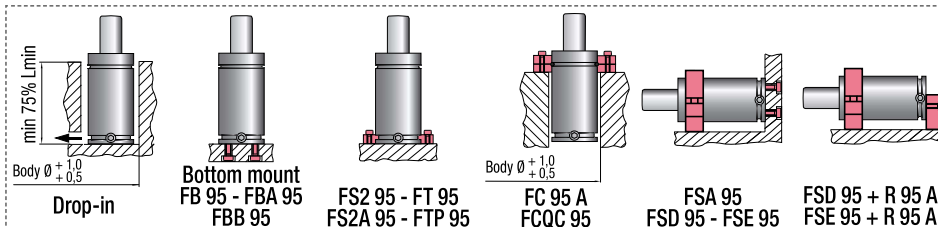
* F_{1i} = Isothermal end force at 100% Cu p. 16

** F_{1p} = Polytrophic end force at 100% Cu

N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 28,27 cm ² 4.382 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV04200C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 4200 - 016 - A	◆ RV 4200 - 016 - B	16	0.63	90	3.54	74	2.91	4240 ± 5%	9532	6103	13720	7197	16179	172	10.50	2,76	6,08	✓
RV 4200 - 019 - A	◆ RV 4200 - 019 - B	19	0.75	96	3.78	77	3.03			6269	14093	7458	16767	192	11.72	2,84	6,26	✓
RV 4200 - 025 - A	RV 4200 - 025 - B	25	0.98	108	4.25	83	3.27			6531	14682	7874	17702	232	14.16	2,99	6,59	✓
RV 4200 - 032 - A	RV 4200 - 032 - B	32	1.26	122	4.80	90	3.54			6755	15186	8236	18515	279	17.03	3,16	6,97	✓
RV 4200 - 038 - A	RV 4200 - 038 - B	38	1.50	134	5.28	96	3.78			6902	15517	8475	19052	320	19.53	3,31	7,30	✓
RV 4200 - 050 - A	RV 4200 - 050 - B	50	1.97	158	6.22	108	4.25	150 bar 2175 psi	+ 20 °C + 68 °F	7117	16001	8827	19844	401	24.47	3,61	7,96	✓
RV 4200 - 063 - A	RV 4200 - 063 - B	63	2.48	184	7.24	121	4.76			7278	16361	9092	20440	488	29.78	3,94	8,69	✓
RV 4200 - 075 - A	RV 4200 - 075 - B	75	2.95	208	8.19	133	5.24	7386	16604	9272	20843	569	34.72	4,24	9,35	✓		
RV 4200 - 080 - A	RV 4200 - 080 - B	80	3.15	218	8.58	138	5.43	7423	16687	9333	20982	603	36.80	4,36	9,61	✓		
RV 4200 - 100 - A	RV 4200 - 100 - B	100	3.94	258	10.16	158	6.22	7539	16949	9529	21421	738	45.04	4,86	10,71	✓		
RV 4200 - 125 - A	RV 4200 - 125 - B	125	4.92	308	12.13	183	7.20	7639	17173	9696	21798	906	55.29	5,48	12,08	✓		

◆ Disposable



HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205

ISO 11901 - 3 W-DX35-6204 (Ford)	VDI 3003 - Blatt 3 B8 3180 220 000 004(MB)	B2 4005 (BMW) 39D 997 (VW)	075.90.60 (FCA)
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OSAS



USAS



OPAS

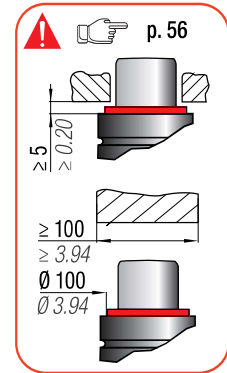
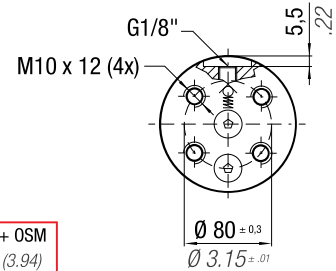
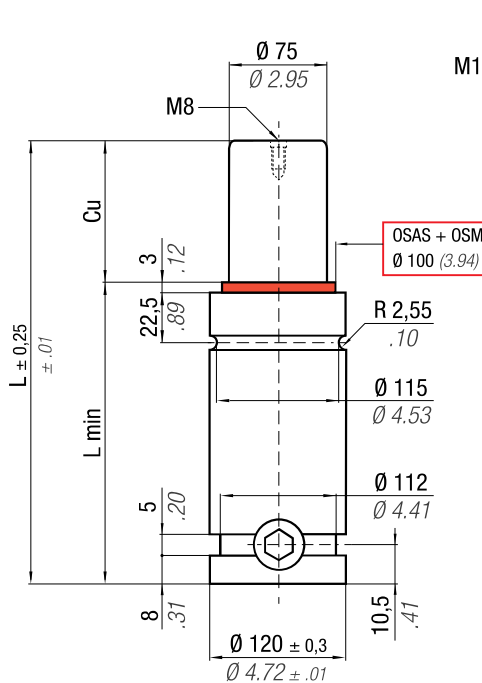
easu MANIFOLD p. 247

* F_{1i} =

Isothermal end force at 100% Cu p. 16

** F_{1p} =

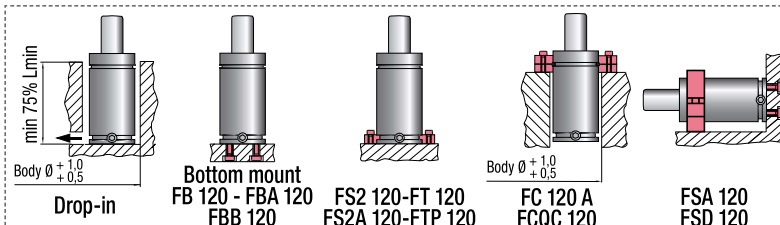
Polytropic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 44,18 cm ² 6.848 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV06600C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 6600 - 016 - A	RV 6600 - 016 - B	16	0.63	100	3.94	84	3.31	6630 ± 5%	14904	9141	20550	10631	23900	298	18.19	5,12	11.29	✓
RV 6600 - 019 - A	RV 6600 - 019 - B	19	0.75	106	4.17	87	3.43			9393	21115	11022	24777	330	20.14	5,23	11.53	✓
RV 6600 - 025 - A	RV 6600 - 025 - B	25	0.98	118	4.65	93	3.66			9799	22028	11658	26209	394	24.04	5,47	12.06	✓
RV 6600 - 032 - A	RV 6600 - 032 - B	32	1.26	132	5.20	100	3.94			10157	22834	12228	27490	469	28.62	5,75	12.68	✓
RV 6600 - 038 - A	RV 6600 - 038 - B	38	1.50	144	5.67	106	4.17			10397	23374	12614	28357	533	32.53	5,99	13.21	✓
RV 6600 - 050 - A	RV 6600 - 050 - B	50	1.97	168	6.61	118	4.65			10757	24183	13196	29666	661	40.34	6,47	14.26	✓
RV 6600 - 063 - A	RV 6600 - 063 - B	63	2.48	194	7.64	131	5.16			11031	24799	13645	30675	799	48.76	6,99	15.41	✓
RV 6600 - 075 - A	RV 6600 - 075 - B	75	2.95	218	8.58	143	5.63			11219	25221	13954	31369	927	56.57	7,47	16.47	✓
RV 6600 - 080 - A	RV 6600 - 080 - B	80	3.15	228	8.98	148	5.83			11284	25367	14061	31611	980	59.80	7,67	16.91	✓
RV 6600 - 100 - A	RV 6600 - 100 - B	100	3.94	268	10.55	168	6.61			11490	25832	14404	32381	1193	72.80	8,46	18.65	✓
RV 6600 - 125 - A	RV 6600 - 125 - B	125	4.92	318	12.52	193	7.60	11669	26234	14703	33053	1459	89.03	9,46	20.86	✓		

◆ Disposable



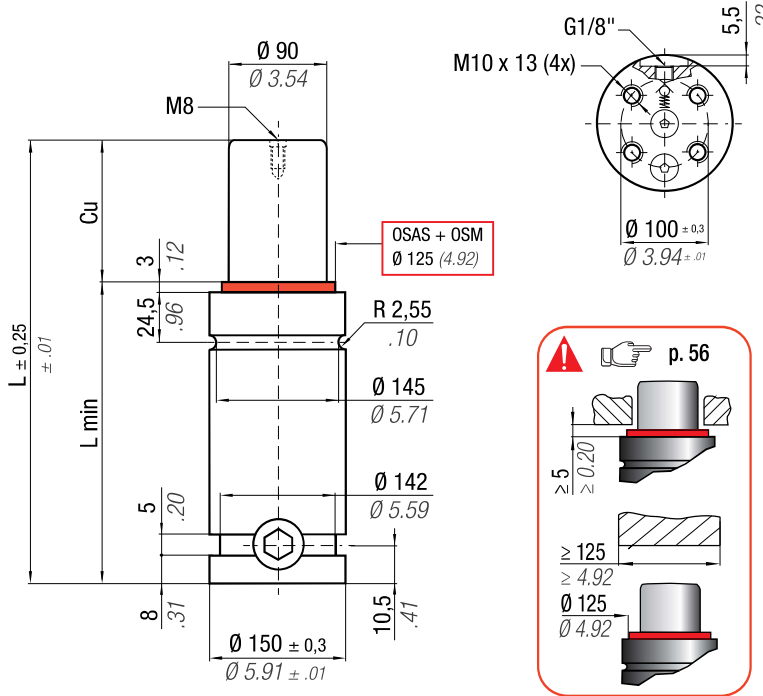
HOW TO ORDER

p. 57

INSTALLATION GUIDELINE

p. 205

ISO 11901 - 3 W-DX35-6204 (Ford)	VDI 3003 - Blatt 3 PG 24D (Mazda)	B2 4005 (BMW) B8 3180 220 000 004(MB)	075.90.60 (FCA) 39D 997 (VW)
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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY



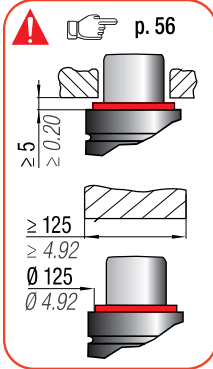
OSAS



USAS



OPAS



easu MANIPOL p. 247

* F_{1i} =

Isothermal end force at 100% Cu

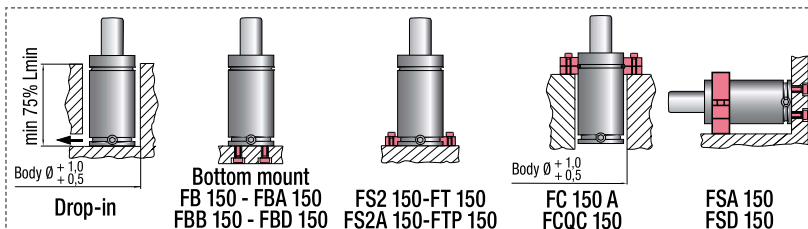
** F_{1p} =

Polytrophic end force at 100% Cu

N₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 63,62 cm ² 9.864 in ²	SPM ~ 20 - 80 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV09500C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force		F _{1p} ** End force		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RV 9500 - 019 - A	◆ RV 9500 - 019 - B	19	0.75	116	4.57	97	3.82			13135	29528	15265	34318	513	31.31	9,56	21.08	✓
RV 9500 - 025 - A	RV 9500 - 025 - B	25	0.98	128	5.04	103	4.06			13676	30744	16105	36206	609	37.16	9,93	21.89	✓
RV 9500 - 032 - A	RV 9500 - 032 - B	32	1.26	142	5.59	110	4.33	9540	21446	14156	31825	16862	37906	722	44.06	10,37	22.86	✓
RV 9500 - 038 - A	RV 9500 - 038 - B	38	1.50	154	6.06	116	4.57			14480	32553	17376	39062	818	49.92	10,74	23.68	✓
RV 9500 - 050 - A	RV 9500 - 050 - B	50	1.97	178	7.01	128	5.04			14967	33648	18156	40815	1010	61.63	11,49	25.33	✓
RV 9500 - 063 - A	RV 9500 - 063 - B	63	2.48	204	8.03	141	5.55	150 bar	2175 psi	15341	34487	18759	42173	1218	74.33	12,30	27.12	✓
RV 9500 - 075 - A	RV 9500 - 075 - B	75	2.95	228	8.98	153	6.02			15597	35063	19177	43111	1411	86.10	13,05	28.77	✓
RV 9500 - 080 - A	RV 9500 - 080 - B	80	3.15	238	9.37	158	6.22	+ 20 °C	+ 68 °F	15686	35264	19322	43439	1491	90.99	13,37	29.48	✓
RV 9500 - 100 - A	RV 9500 - 100 - B	100	3.94	278	10.94	178	7.01			15970	35907	19788	44485	1811	110.51	14,61	32.21	✓
RV 9500 - 125 - A	RV 9500 - 125 - B	125	4.92	328	12.91	203	7.99			16216	36455	20194	45398	2212	134.98	16,18	35.67	✓

◆ Disposable



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OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

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OSAS



USAS

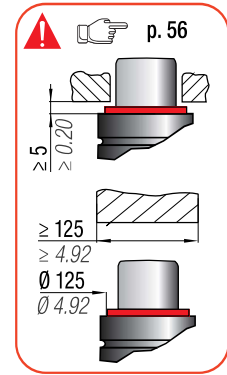
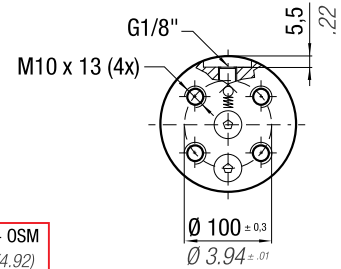
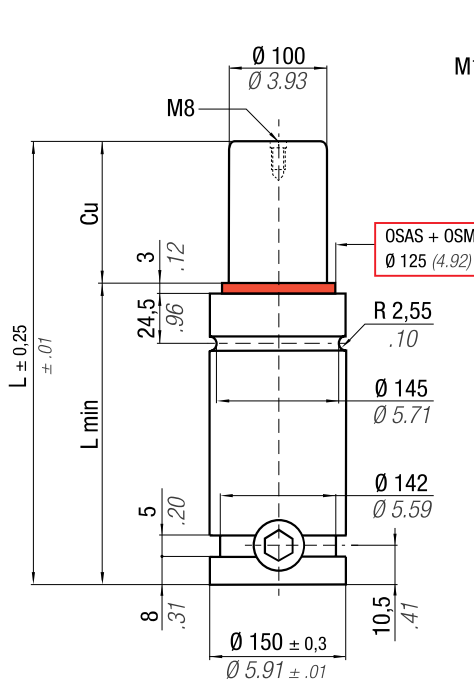


OPAS

easu MANIFOLD p. 247

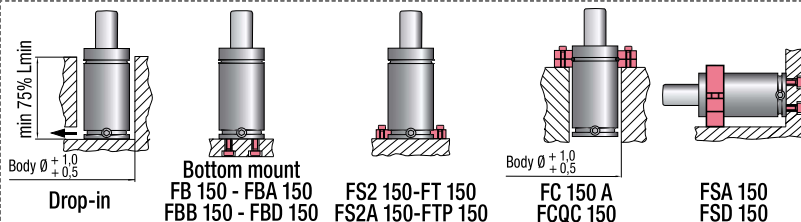
* F_{1i} =
Isothermal
end force p. 16

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



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 78,54 cm ² 12.173 in ²	SPM ~ 20 - 80 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV12000A		
CODE	NEW	Cu	L	L min	F ₀	F _{1i} *	F _{1p} **	V ₀		
PHASING OUT from 04/2021		mm inch	mm inch	mm inch	Initial force daN lb	End force * daN lb	End force ** daN lb	cm ³ in ³	~Kg ~lb	PED 2014/68/EU
RV 12000 - 019 - A	◆ RV 12000 - 019 - B	19 0.75	116 4.57	97 3.82	11780 26470 ± 5% 150 bar 2175 psi + 20 °C +68 °F	16936 38075	19966 44886	568 34.66	9,34 20.59	✓
RV 12000 - 025 - A	RV 12000 - 025 - B	25 0.98	128 5.04	103 4.06		17789 39991	21311 47910	671 40.95	9,73 21.45	✓
RV 12000 - 032 - A	RV 12000 - 032 - B	32 1.26	142 5.59	110 4.33		18565 41737	22555 50706	791 48.27	10,18 22.44	✓
RV 12000 - 038 - A	RV 12000 - 038 - B	38 1.50	154 6.06	116 4.57		19098 42935	23419 52648	894 54.56	10,57 23.30	✓
RV 12000 - 050 - A	RV 12000 - 050 - B	50 1.97	178 7.01	128 5.04		19916 44772	24759 55659	1101 67.19	11,35 25.02	✓
RV 12000 - 063 - A	RV 12000 - 063 - B	63 2.48	204 8.03	141 5.55		20555 46210	25820 58045	1324 80.80	12,20 26.90	✓
RV 12000 - 075 - A	RV 12000 - 075 - B	75 2.95	228 8.98	153 6.02		21001 47212	26566 59729	1531 93.43	12,97 28.59	✓
RV 12000 - 080 - A	RV 12000 - 080 - B	80 3.15	238 9.37	158 6.22		21157 47563	26829 60314	1617 98.68	13,30 29.32	✓
RV 12000 - 100 - A	RV 12000 - 100 - B	100 3.94	278 10.94	178 7.01		21659 48692	27677 62221	1961 119.67	14,60 32.19	✓
RV 12000 - 125 - A	RV 12000 - 125 - B	125 4.92	328 12.91	203 7.99		22101 49685	28430 63912	2391 145.91	16,22 35.76	✓

◆ Disposable

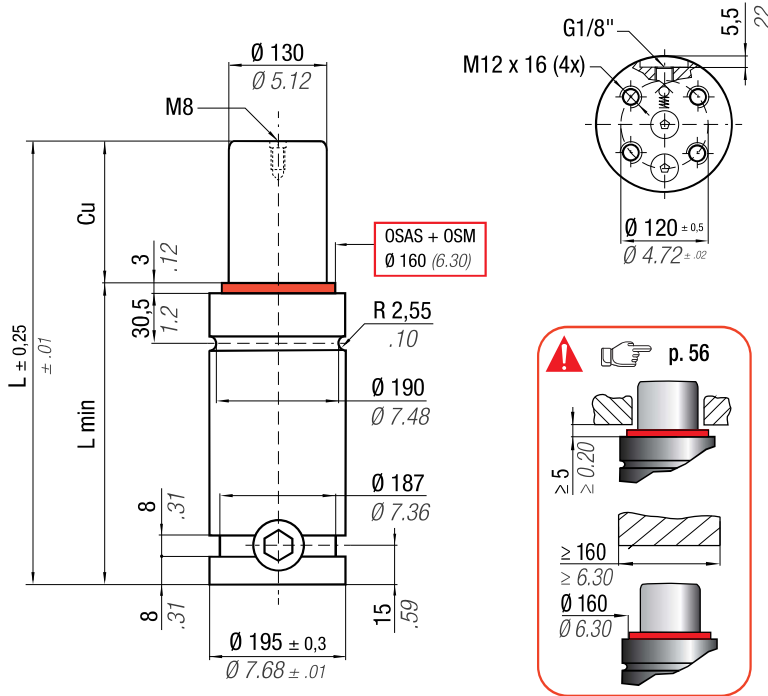


HOW TO ORDER

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INSTALLATION GUIDELINE

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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



OSAS



USAS



OPAS

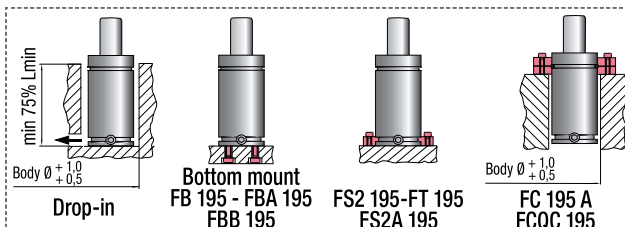
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

** F_{1p} = Polytrophic end force at 100% Cu

N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 132,73 cm ² 20.573 in ²	SPM ~ 20 - 80 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV20000A	
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} End force *	F _{1p} ** End force **	V ₀	PED 2014/68/EU
RV 20000 - 019 - A	♦ RV 20000 - 019 - B	19 0.75	148 5.83	129 5.08	19910 44738 ± 5% 150 bar 2175 psi + 20 °C + 68 °F	27636 62128	32207 72404	1047 63.89	21,58 47,58 ✓
RV 20000 - 025 - A	♦ RV 20000 - 025 - B	25 0.98	160 6.30	135 5.32		29099 65417	34490 77537	1215 74.14	22,29 49.14 ✓
RV 20000 - 032 - A	RV 20000 - 032 - B	32 1.26	174 6.85	142 5.59		30485 68532	36688 82478	1411 86.10	23,12 50.97 ✓
RV 20000 - 038 - A	RV 20000 - 038 - B	38 1.50	186 7.32	148 5.83		31467 70740	38266 86025	1580 96.42	23,84 52.56 ✓
RV 20000 - 050 - A	RV 20000 - 050 - B	50 1.97	210 8.27	160 6.30		33024 74242	40801 91724	1916 116.92	25,26 55.69 ✓
RV 20000 - 063 - A	RV 20000 - 063 - B	63 2.48	236 9.29	173 6.81		34290 77086	42889 96418	2280 139.13	26,80 59.08 ✓
RV 20000 - 075 - A	RV 20000 - 075 - B	75 2.95	260 10.24	185 7.28		35196 79124	44401 99818	2617 159.70	28,22 62.21 ✓
RV 20000 - 080 - A	RV 20000 - 080 - B	80 3.15	270 10.63	190 7.48		35519 79850	44943 101035	2757 168.24	28,81 63.52 ✓
RV 20000 - 100 - A	RV 20000 - 100 - B	100 3.94	310 12.21	210 8.27		36574 82222	46724 105039	3317 202.42	31,19 68.76 ✓
RV 20000 - 125 - A	RV 20000 - 125 - B	125 4.92	360 14.17	235 9.25		37526 84361	48345 108683	4018 245.19	34,16 75.31 ✓

♦ Disposable

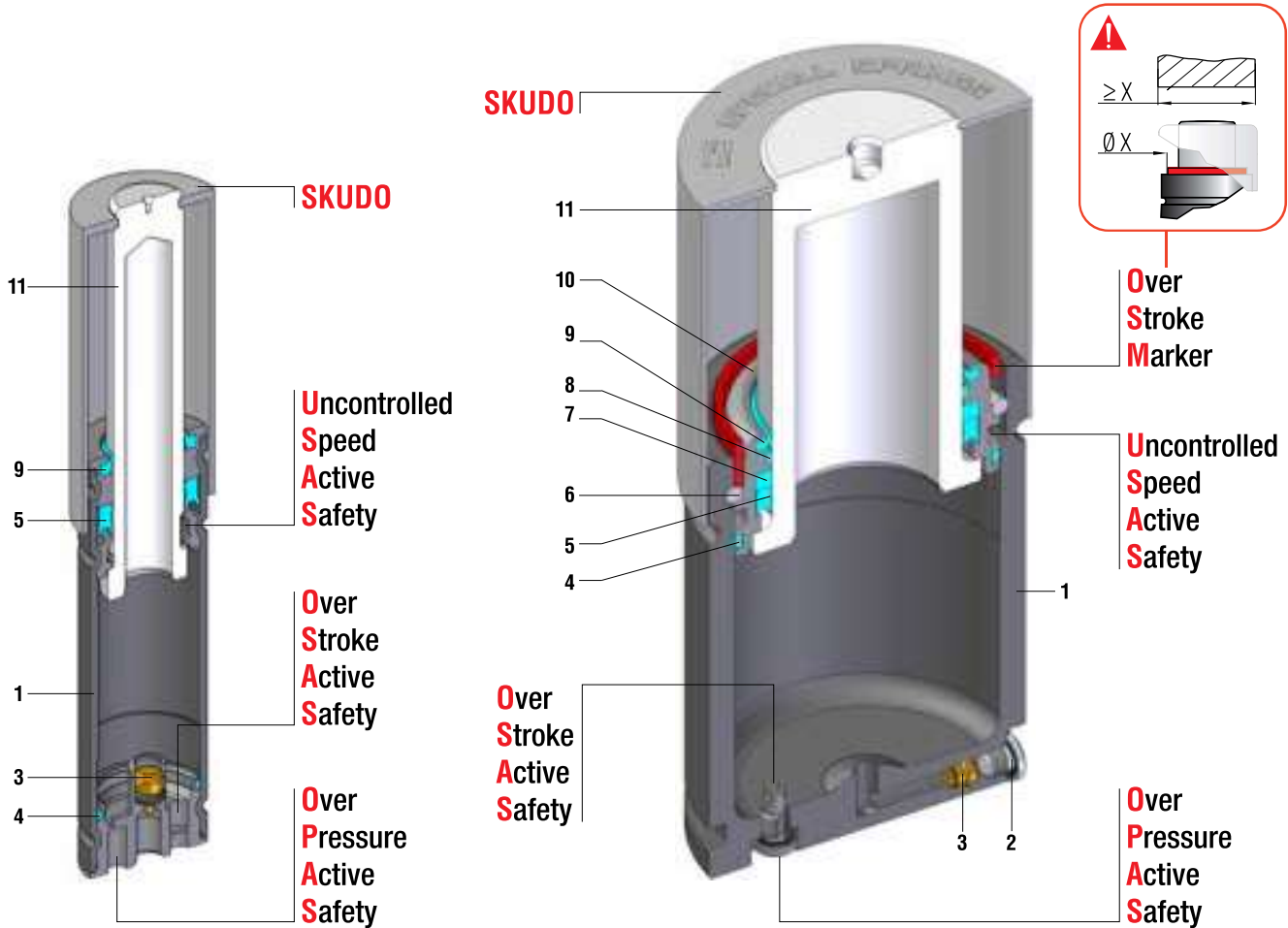


HOW TO ORDER

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INSTALLATION GUIDELINE

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RS 170 - RS 320





RS 350 ÷ RS 9500

Minima altezza, massima forza + SKUDO - Minimum height, maximum force + SKUDO - Minimale Höhe, maximale Kraft + SKUDO
 Hauteur minimale, force maximale + SKUDO - Mínima altura, máxima fuerza + SKUDO - Altura mínima, força máxima + SKUDO

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

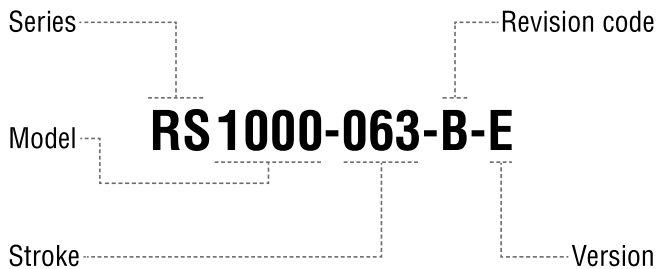
1	Body	5	Rod seal	9	Rod wiper
2	Plug	6	Retaining ring	10	Bush
3	Valve	7	Back-up ring	11	Rod (nitrited superfinished)
4	Dual ring seal	8	Guide ring		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0		 OSAS	 USAS	 OPAS	 SKUDO
	mm	inch	mm	inch	daN	lb				
RS 170	19	0.75	7 - 122	0.28 - 4.80	170	382	✓	✓	✓	✓
RS 320	25	0.98	7 - 122	0.28 - 4.80	320	719	✓	✓	✓	✓
RS 350	32	1.26	7 - 122	0.28 - 4.80	360	809	✓	✓	✓	✓
RS 500	38	1.50	7 - 122	0.28 - 4.80	470	1057	✓	✓	✓	✓
RS 750	45	1.77	7 - 122	0.28 - 4.80	740	1664	✓	✓	✓	✓
RS 1000	50	1.97	10 - 122	0.39 - 4.80	920	2068	✓	✓	✓	✓
RS 1200	50	1.97	10 - 122	0.39 - 4.80	1060	2383	✓	✓	✓	✓
RS 1500	63	2.48	10 - 122	0.39 - 4.80	1530	3440	✓	✓	✓	✓
RS 2400	75	2.95	13 - 122	0.51 - 4.80	2385	5362	✓	✓	✓	✓
RS 4200	95	3.74	13 - 122	0.51 - 4.80	4240	9532	✓	✓	✓	✓
RS 6600	120	4.72	13 - 122	0.51 - 4.80	6630	14905	✓	✓	✓	✓
RS 9500	150	5.91	16 - 122	0.63 - 4.80	9540	21447	✓	✓	✓	✓



HOW TO ORDER



Available versions



RS 1000-063-B

Standard code

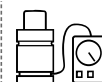


Self contained



RS 2400-063-B-N

Add "-N" to standard code



Linkable



RS 2400-063-B-E

Add "-E" to standard code



Easy
Manifold

Il nuovo codice sarà fornito solo ad esaurimento del vecchio - The new code will be supplied only when the old will be out of stock - Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist - Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé - El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo - O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY

- OSAS
- USAS
- OPAS
- SKUDO

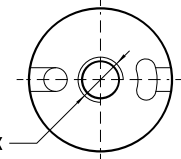
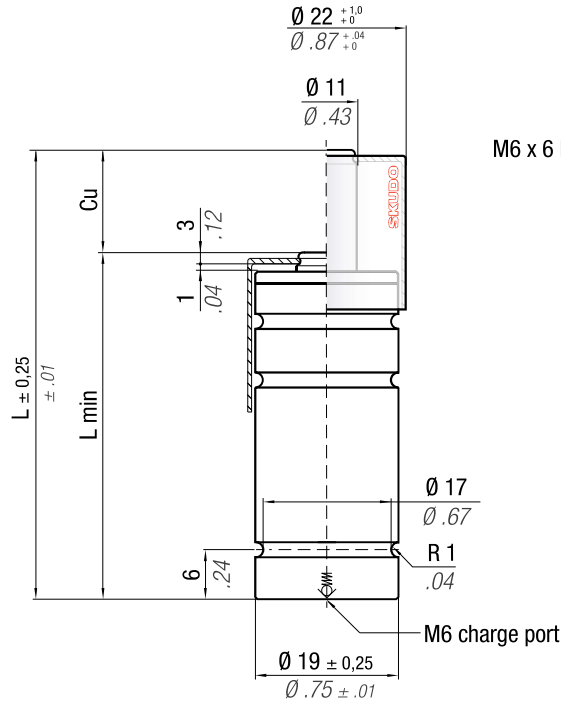
easu MANIFOLD p. 247

* $F_{1i} =$

Isothermal end force at 100% Cu p. 16

** $F_{1p} =$

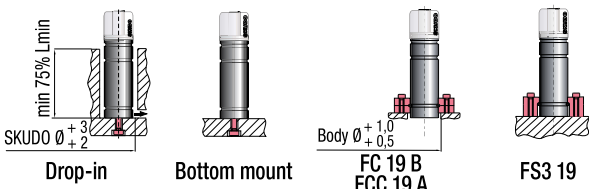
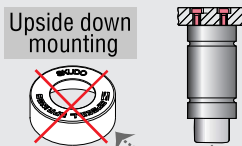
Polytropic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 0,95 cm ² 0,147 in ²	SPM ~ 40 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit Disposable
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CODE PHASING OUT from 05/2019	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RS 170 - 007 - B	RS 170 - 007 - C	7	0.28	50	1.97	43	1.69	171 ± 5%	384	239	537	270	607	2,9	0.17	0,06	0.13	✓
RS 170 - 010 - B	RS 170 - 010 - C	10	0.39	56	2.20	46	1.81			253	568	290	652	3,6	0.22	0,07	0.14	✓
RS 170 - 012 - B	RS 170 - 012 - C	12	0.47	60	2.36	48	1.89			260	584	300	674	4,0	0.25	0,07	0.15	✓
RS 170 - 016 - B	RS 170 - 016 - C	16	0.63	68	2.68	52	2.05			270	607	315	709	5,0	0.30	0,07	0.16	✓
RS 170 - 022 - B	RS 170 - 022 - C	22	0.87	80	3.15	58	2.28			281	632	331	744	6,4	0.39	0,08	0.17	✓
RS 170 - 029 - B	RS 170 - 029 - C	29	1.14	94	3.70	65	2.56			289	650	343	771	8,1	0.49	0,09	0.19	✓
RS 170 - 035 - B	RS 170 - 035 - C	35	1.38	106	4.17	71	2.80			294	662	350	788	9,5	0.58	0,09	0.21	✓
RS 170 - 047 - B	RS 170 - 047 - C	47	1.85	130	5.12	83	3.27			301	677	360	810	12,4	0.76	0,11	0.24	✓
RS 170 - 060 - B	RS 170 - 060 - C	60	2.36	156	6.14	96	3.78			306	687	367	826	15,5	0.94	0,12	0.27	✓
RS 170 - 072 - B	RS 170 - 072 - C	72	2.83	185	7.28	113	4.45			306	688	368	827	18,5	1.13	0,14	0.31	✓
RS 170 - 077 - B	RS 170 - 077 - C	77	3.03	195	7.68	118	4.65	307	690	370	831	19,7	1.20	0,15	0.32	✓		
RS 170 - 097 - B	RS 170 - 097 - C	97	3.82	235	9.25	138	5.43	311	698	375	843	24,5	1.49	0,17	0.37	✓		
RS 170 - 122 - B	RS 170 - 122 - C	122	4.80	285	11.22	163	6.42	313	704	379	852	30,4	1.86	0,19	0.43	✓		

WARNING REMOVE SKUDO

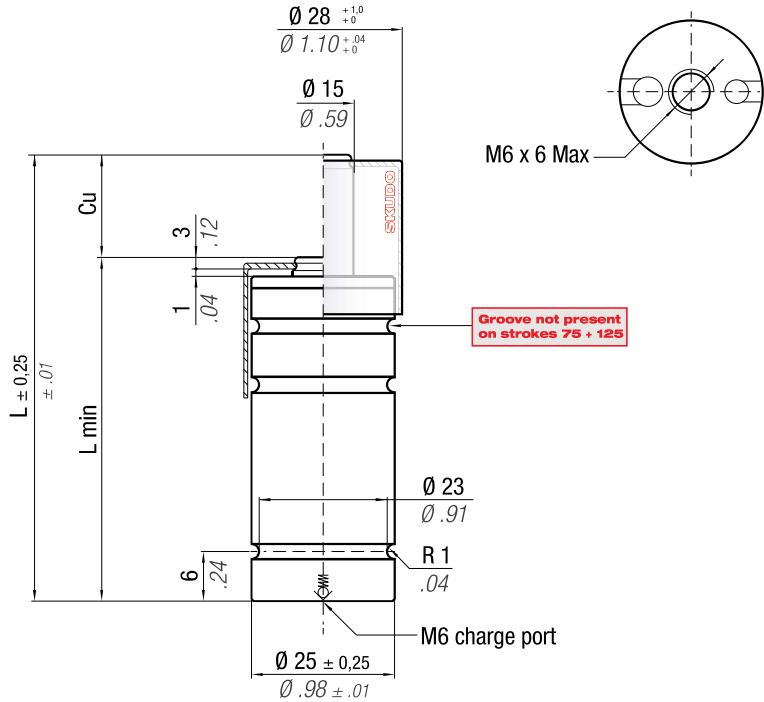


HOW TO ORDER

p. 73

INSTALLATION GUIDELINE

p. 205



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock

* F_{1i} =

Isothermal end force at 100% Cu

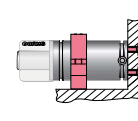
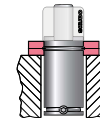


p. 16



** F_{1p} =

Polytrophic end force at 100% Cu



ACTIVE SAFETY



OSAS



USAS

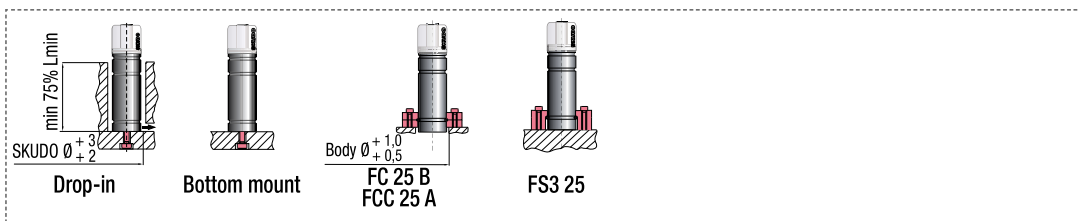
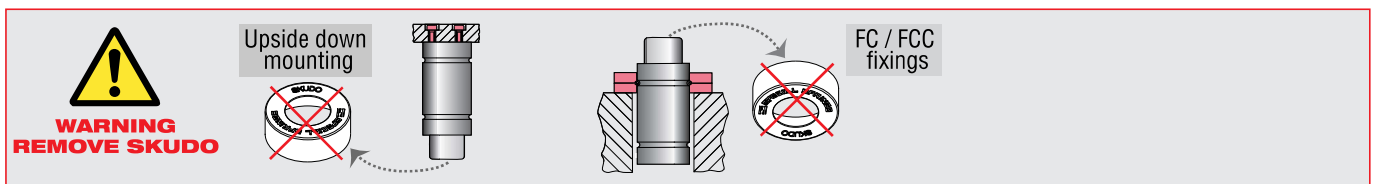


OPAS



SKUDO

		0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 1,77 cm ² 0.27 in ²	SPM ~ 40 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit Disposable	
CODE	NEW	Cu	L	L min	F ₀	F _{1i} *	F _{1p} **	V ₀		
PHASING OUT from 01/2020		mm inch	mm inch	mm inch	Initial force daN lb	End force * daN lb	End force ** daN lb	cm ³ in ³	~Kg ~lb	
RS 320 - 007 - B	RS 320 - 007 - C	7 0.28	50 1.97	43 1.69	320 719 ± 5%	438 985	494 1110	5,5 0.34	0,10 0.23	
RS 320 - 010 - B	RS 320 - 010 - C	10 0.39	56 2.20	46 1.81		463 1041	529 1188	6,9 0.42	0,11 0.24	
RS 320 - 012 - B	RS 320 - 012 - C	12 0.47	60 2.36	48 1.89		475 1069	547 1229	7,8 0.47	0,11 0.25	
RS 320 - 016 - B	RS 320 - 016 - C	16 0.63	68 2.68	52 2.05		495 1112	574 1291	9,6 0.58	0,12 0.26	
RS 320 - 022 - B	RS 320 - 022 - C	22 0.87	80 3.15	58 2.28		514 1155	603 1355	12,3 0.75	0,13 0.29	
RS 320 - 029 - B	RS 320 - 029 - C	29 1.14	94 3.70	65 2.56		529 1189	625 1404	15,5 0.94	0,14 0.31	
RS 320 - 035 - B	RS 320 - 035 - C	35 1.38	106 4.17	71 2.80		180 bar 2610psi	538 1209	638 1434	18,2 1.11	0,15 0.33
RS 320 - 047 - B	RS 320 - 047 - C	47 1.85	130 5.12	83 3.27		+ 20 °C +68 °F	550 1237	656 1475	23,6 1.44	0,17 0.38
RS 320 - 060 - B	RS 320 - 060 - C	60 2.36	156 6.14	96 3.78			559 1256	669 1503	29,5 1.80	0,19 0.43
RS 320 - 072 - B	RS 320 - 072 - C	72 2.83	185 7.28	113 4.45			557 1252	667 1498	35,5 2.17	0,22 0.48
RS 320 - 077 - B	RS 320 - 077 - C	77 3.03	195 7.68	118 4.65	559 1257		670 1506	37,7 2.30	0,23 0.50	
RS 320 - 097 - B	RS 320 - 097 - C	97 3.82	235 9.25	138 5.43	566 1272		680 1528	46,8 2.85	0,26 0.57	
RS 320 - 122 - B	RS 320 - 122 - C	122 4.80	285 11.22	163 6.42	571 1284	688 1546	58,1 3.54	0,30 0.66		



HOW TO ORDER

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INSTALLATION GUIDELINE

p. 205

OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY



OSAS



USAS



OPAS



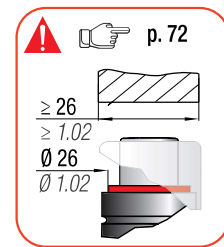
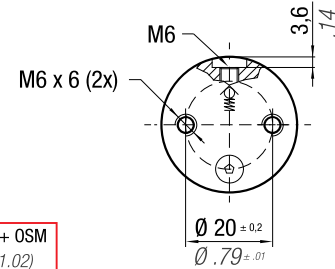
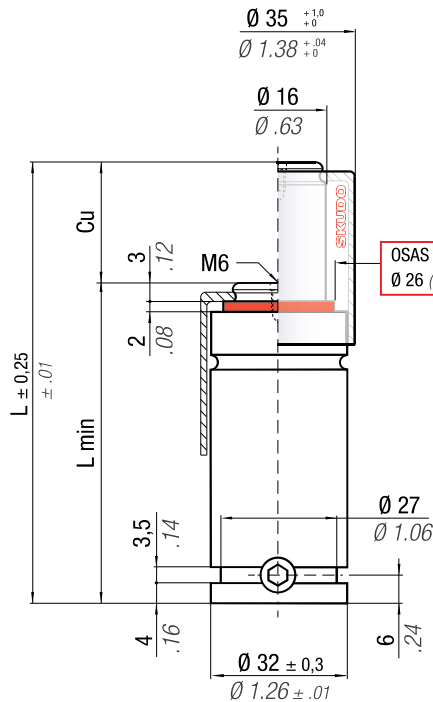
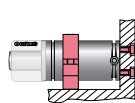
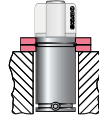
SKUDO

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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

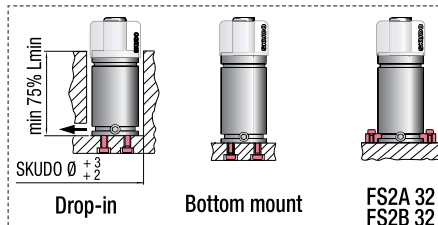
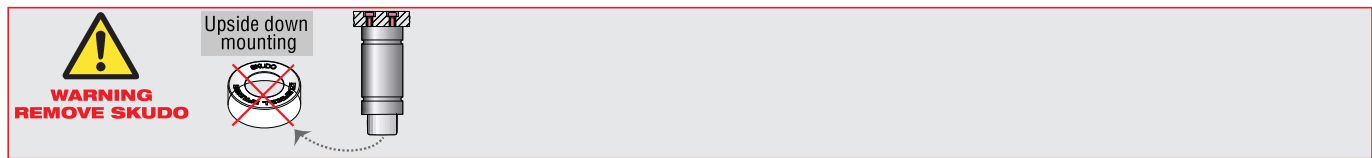
** F_{1p} = Polytrophic end force at 100% Cu



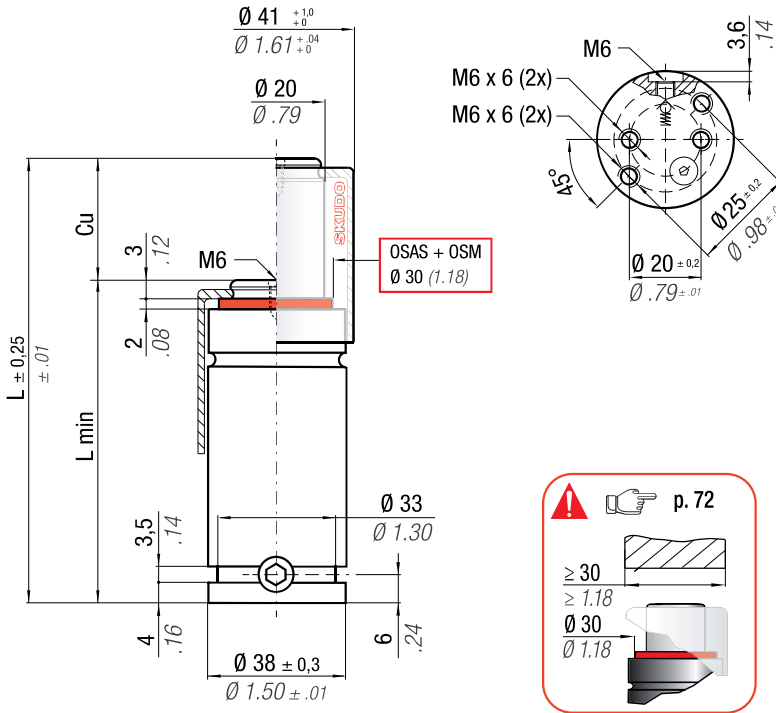
	0 - 80 °C 32 - 176 °F	ΔP $\pm 0,33 \% / ^\circ C$	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 2,01 cm ² 0,312 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00350C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU								
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³											
RS 350 - 007 - A	◆ RS 350 - 007 - B	7	0.28	50	1.97	43	1.69	360 809 ± 5% 180 bar 2610 psi + 20 °C +68 °F	541	1088	541	1216	6,9	0,42	0,16	0,36	✓									
RS 350 - 010 - A	◆ RS 350 - 010 - B	10	0.39	56	2.20	46	1.81											506	1137	572	1285	8,6	0,52	0,17	0,38	✓
RS 350 - 013 - A	RS 350 - 013 - B	13	0.51	62	2.44	49	1.93											521	1172	594	1334	10,4	0,63	0,18	0,40	✓
RS 350 - 016 - A	RS 350 - 016 - B	16	0.63	68	2.68	52	2.05											533	1198	610	1371	12,2	0,74	0,19	0,42	✓
RS 350 - 022 - A	RS 350 - 022 - B	22	0.87	80	3.15	58	2.28											549	1233	633	1423	15,8	0,96	0,21	0,46	✓
RS 350 - 029 - A	RS 350 - 029 - B	29	1.14	94	3.70	65	2.56											560	1260	650	1461	19,9	1,21	0,23	0,51	✓
RS 350 - 035 - A	RS 350 - 035 - B	35	1.38	106	4.17	71	2.80											567	1276	660	1484	23,5	1,43	0,25	0,55	✓
RS 350 - 047 - A	RS 350 - 047 - B	47	1.85	130	5.12	83	3.27											577	1297	674	1515	30,6	1,87	0,29	0,63	✓
RS 350 - 060 - A	RS 350 - 060 - B	60	2.36	156	6.14	96	3.78											583	1311	683	1536	38,3	2,34	0,33	0,72	✓
RS 350 - 072 - A	RS 350 - 072 - B	72	2.83	180	7.09	108	4.25											587	1320	689	1550	45,4	2,77	0,36	0,80	✓
RS 350 - 077 - A	RS 350 - 077 - B	77	3.03	190	7.48	113	4.45											589	1323	691	1554	48,4	2,95	0,38	0,83	✓
RS 350 - 097 - A	RS 350 - 097 - B	97	3.82	230	9.06	133	5.24											593	1332	697	1567	60,3	3,68	0,44	0,96	✓
RS 350 - 122 - A	RS 350 - 122 - B	122	4.80	280	11.02	158	6.22											602	1354	712	1600	73,9	4,51	0,51	1,13	✓

◆ Disposable



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 p. 73
INSTALLATION GUIDELINE
 p. 205

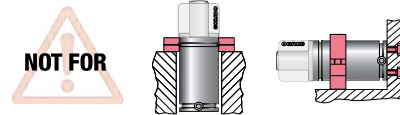


OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER

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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu



ACTIVE SAFETY



OSAS



USAS



OPAS

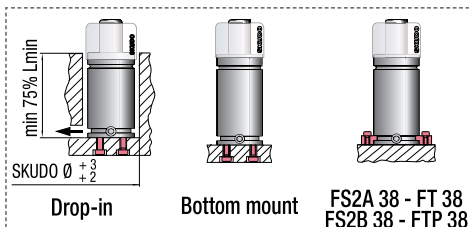
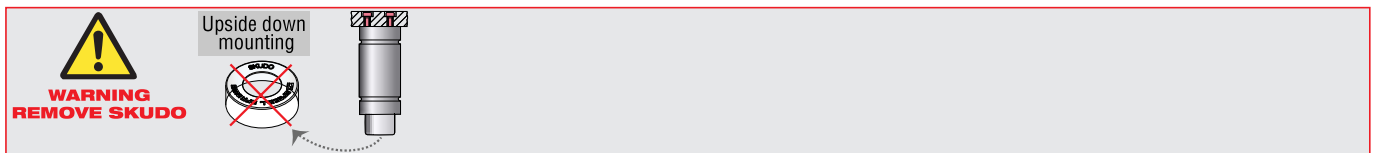


SKUDO

	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 3,14 cm ² 0.487 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00500C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F0 Initial force		F1i * End force *		F1p ** End force **		Vo		~Kg	~lb	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RS 500 - 007 - A	◆ RS 500 - 007 - B	7	0.28	50	1.97	43	1.69	470 1057 ± 5%	150 bar 2175psi	611	1375	697	1567	11,2	0.68	0,24	0.53	✓
RS 500 - 010 - A	◆ RS 500 - 010 - B	10	0.39	56	2.20	46	1.81			642	1443	743	1671	13,7	0.84	0,25	0.55	✓
RS 500 - 013 - A	RS 500 - 013 - B	13	0.51	62	2.44	49	1.93			664	1493	778	1749	16,3	0.99	0,26	0.57	✓
RS 500 - 016 - A	RS 500 - 016 - B	16	0.63	68	2.68	52	2.05			682	1532	805	1810	18,9	1.15	0,28	0.62	✓
RS 500 - 022 - A	RS 500 - 022 - B	22	0.87	80	3.15	58	2.28			707	1588	845	1899	24,0	1.46	0,31	0.68	✓
RS 500 - 029 - A	RS 500 - 029 - B	29	1.14	94	3.70	65	2.56			726	1632	876	1968	29,9	1.82	0,34	0.75	✓
RS 500 - 035 - A	RS 500 - 035 - B	35	1.38	106	4.17	71	2.80			738	1659	895	2011	35,0	2.14	0,37	0.82	✓
RS 500 - 047 - A	RS 500 - 047 - B	47	1.85	130	5.12	83	3.27			754	1695	921	2070	45,2	2.76	0,42	0.93	✓
RS 500 - 060 - A	RS 500 - 060 - B	60	2.36	156	6.14	96	3.78			765	1721	939	2111	56,3	3.44	0,48	1.06	✓
RS 500 - 072 - A	RS 500 - 072 - B	72	2.83	180	7.09	108	4.25			773	1737	951	2138	66,5	4.06	0,54	1.19	✓
RS 500 - 077 - A	RS 500 - 077 - B	77	3.03	190	7.48	113	4.45	775	1742	955	2147	70,8	4.32	0,56	1.23	✓		
RS 500 - 097 - A	RS 500 - 097 - B	97	3.82	230	9.06	133	5.24	783	1759	967	2174	87,8	5.36	0,66	1.46	✓		
RS 500 - 122 - A	RS 500 - 122 - B	122	4.80	280	11.02	158	6.22	789	1773	977	2197	109,1	6.66	0,77	1.70	✓		

◆ Disposable



HOW TO ORDER

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INSTALLATION GUIDELINE

p. 205

OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY



OSAS



USAS



OPAS



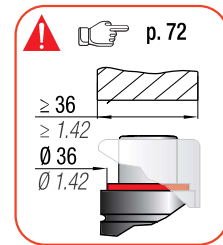
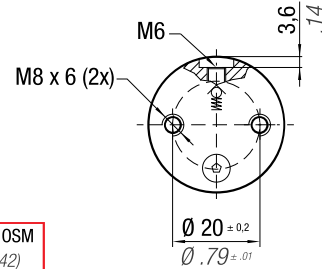
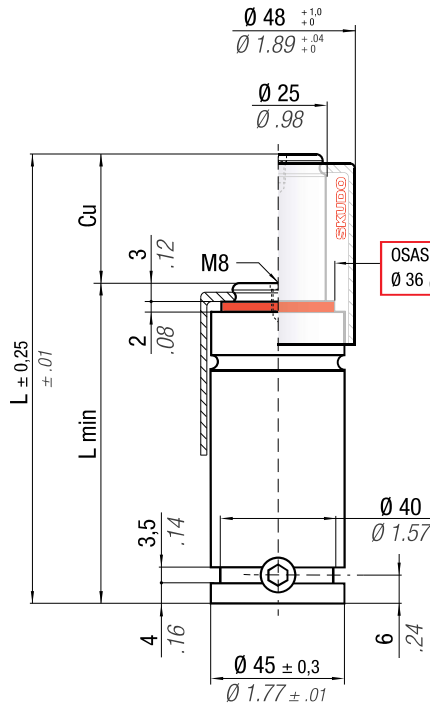
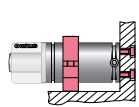
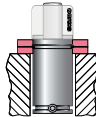
SKUDO

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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force p. 16

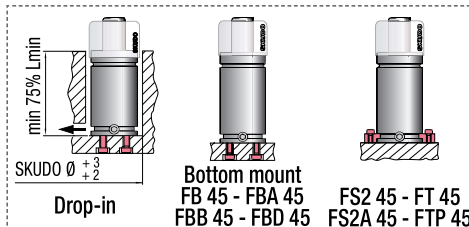
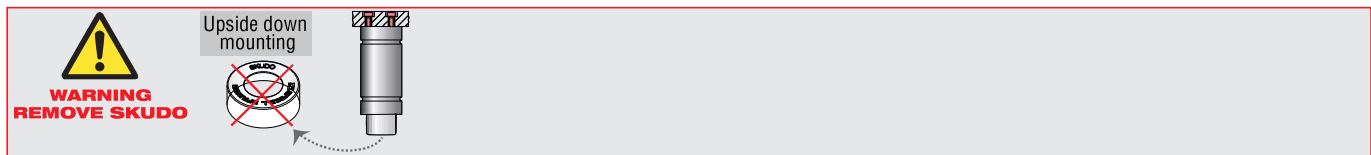
** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 4,91 cm ² 0,761 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV00750C
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CODE	NEW	Cu		L		L min		F ₀		F _{1i} *		F _{1p} **		V ₀		PED		
PHASING OUT from 04/2021		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³	~Kg	~lb	2014/68/EU
RS 750 - 007 - A	◆ RS 750 - 007 - B	7	0.28	52	2.05	45	1.77	740 ± 5% 1664 150 bar 2175psi + 20 °C +68 °F		972	2185	1114	2504	16,5	1.01	0,36	0.79	✓
RS 750 - 010 - A	◆ RS 750 - 010 - B	10	0.39	58	2.28	48	1.89			1024	2301	1193	2683	20,3	1.24	0,38	0.84	✓
RS 750 - 013 - A	RS 750 - 013 - B	13	0.51	64	2.52	51	2.01			1062	2388	1253	2818	24,1	1.47	0,39	0.86	✓
RS 750 - 016 - A	RS 750 - 016 - B	16	0.63	70	2.76	54	2.13			1092	2454	1300	2923	27,9	1.70	0,41	0.90	✓
RS 750 - 022 - A	RS 750 - 022 - B	22	0.87	82	3.23	60	2.36			1135	2551	1369	3077	35,4	2.16	0,45	0.99	✓
RS 750 - 029 - A	RS 750 - 029 - B	29	1.14	96	3.78	67	2.64			1168	2627	1423	3198	44,3	2.70	0,50	1.10	✓
RS 750 - 035 - A	RS 750 - 035 - B	35	1.38	108	4.25	73	2.87			1189	2673	1456	3273	51,8	3.16	0,54	1.19	✓
RS 750 - 047 - A	RS 750 - 047 - B	47	1.85	132	5.20	85	3.35			1217	2736	1502	3377	67,0	4.09	0,61	1.34	✓
RS 750 - 060 - A	RS 750 - 060 - B	60	2.36	158	6.22	98	3.86			1237	2781	1535	3450	83,4	5.09	0,70	1.54	✓
RS 750 - 072 - A	RS 750 - 072 - B	72	2.83	182	7.17	110	4.33			1250	2809	1556	3497	98,5	6.01	0,77	1.70	✓
RS 750 - 077 - A	RS 750 - 077 - B	77	3.03	192	7.56	115	4.53			1254	2819	1563	3513	104,8	6.40	0,81	1.79	✓
RS 750 - 097 - A	RS 750 - 097 - B	97	3.82	232	9.13	135	5.31			1267	2848	1584	3561	130,0	7.93	0,93	2.05	✓
RS 750 - 122 - A	RS 750 - 122 - B	122	4.80	282	11.10	160	6.30			1278	2872	1602	3602	161,5	9.86	1,10	2.43	✓

◆ Disposable

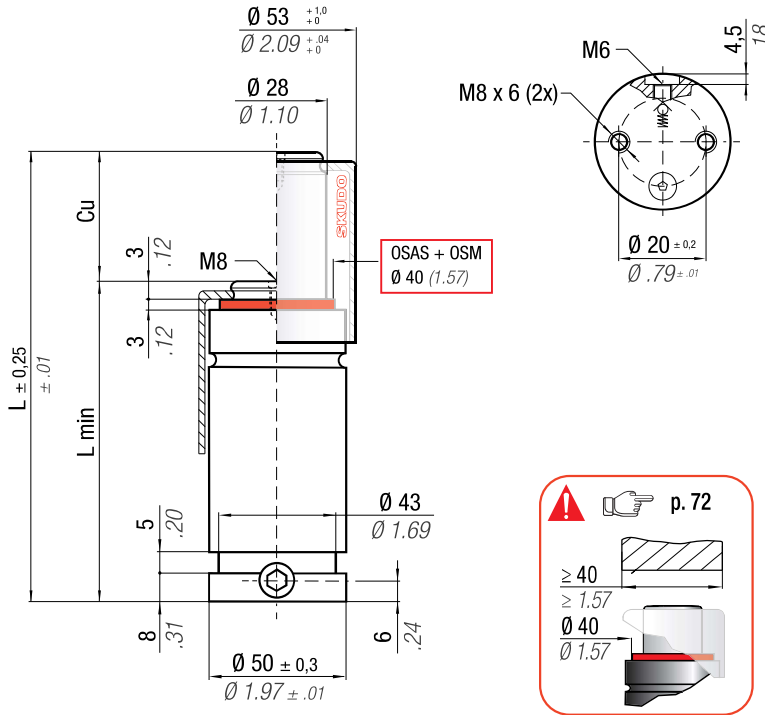


HOW TO ORDER

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INSTALLATION GUIDELINE

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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER

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ACTIVE SAFETY



OSAS



USAS



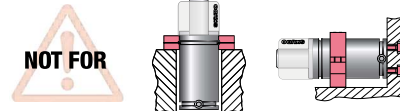
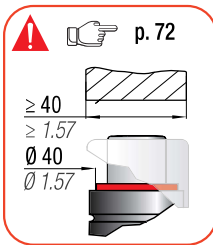
OPAS



SKUDO

easu MANIFOLD p. 247

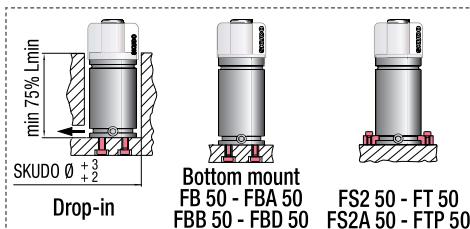
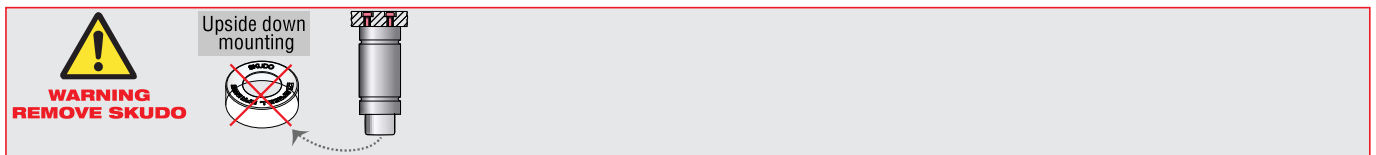
* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 6,15 cm ² 0.953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RS 1000 - 010 - A	◆ RS 1000 - 010 - B	10	0.39	64	2.52	54	2.13	920 2068 ± 5%	1236	2779	1424	3200	28,4	1.73	0,51	1.12	✓	
RS 1000 - 013 - A	◆ RS 1000 - 013 - B	13	0.51	70	2.76	57	2.24		1285	2889	1499	3370	33,0	2.01	0,54	1.19	✓	
RS 1000 - 016 - A	RS 1000 - 016 - B	16	0.63	76	2.99	60	2.36		1325	2978	1560	3508	37,7	2.30	0,56	1.23	✓	
RS 1000 - 022 - A	RS 1000 - 022 - B	22	0.87	88	3.46	66	2.60		1384	3110	1653	3717	47,0	2.87	0,61	1.34	✓	
RS 1000 - 029 - A	RS 1000 - 029 - B	29	1.14	102	4.02	73	2.87		1432	3219	1730	3889	58,0	3.54	0,67	1.48	✓	
RS 1000 - 035 - A	RS 1000 - 035 - B	35	1.38	114	4.49	79	3.11		1462	3287	1779	3999	67,3	4.11	0,71	1.57	✓	
RS 1000 - 047 - A	RS 1000 - 047 - B	47	1.85	138	5.43	91	3.58		1505	3383	1848	4156	86,0	5.25	0,81	1.79	✓	
RS 1000 - 060 - A	RS 1000 - 060 - B	60	2.36	164	6.46	104	4.09		1536	3452	1899	4269	106,3	6.49	0,91	2.01	✓	
RS 1000 - 072 - A	RS 1000 - 072 - B	72	2.83	188	7.40	116	4.57		1556	3498	1932	4343	125,0	7.63	1,05	2.31	✓	
RS 1000 - 077 - A	RS 1000 - 077 - B	77	3.03	198	7.80	121	4.76		1563	3513	1943	4368	132,8	8.10	1,09	2.40	✓	
RS 1000 - 097 - A	RS 1000 - 097 - B	97	3.82	238	9.37	141	5.55	1584	3560	1978	4447	163,9	10.00	1,21	2.67	✓		
RS 1000 - 122 - A	RS 1000 - 122 - B	122	4.80	288	11.34	166	6.54	1601	3600	2008	4513	202,9	12.38	1,41	3.11	✓		

◆ Disposable



HOW TO ORDER

p. 73

INSTALLATION GUIDELINE

p. 205

OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY



OSAS



USAS



OPAS



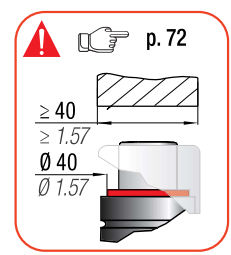
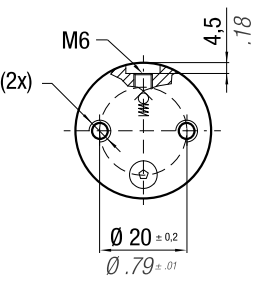
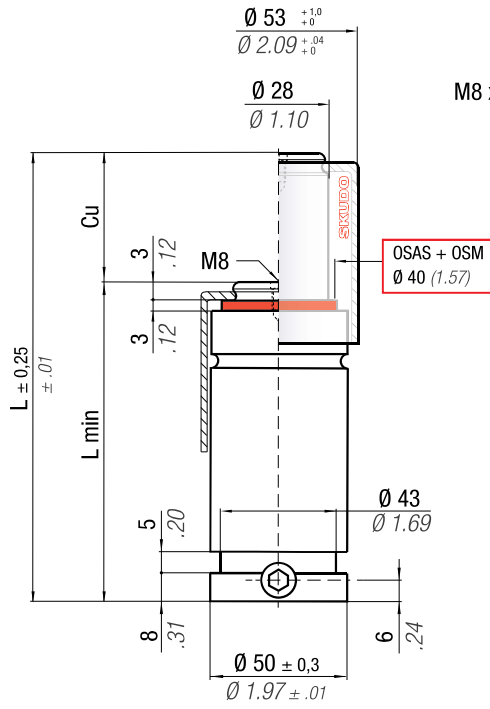
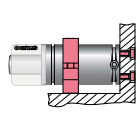
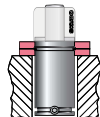
SKUDO

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 O novo código irá ser fornecido apenas quando o antigo esgotar stock

easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 170 bar 2465 psi	P min 20 bar 290 psi	S 6,15 cm ² 0,953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RS 1200 - 010 - A	◆ RS 1200 - 010 - B	10	0.39	64	2.52	54	2.13	1046 ± 5% 170 bar 2465 psi	2352	1418	3187	1605	3608	28,4	1.73	0,51	1.12	✓
RS 1200 - 013 - A	◆ RS 1200 - 013 - B	13	0.51	70	2.76	57	2.24			1476	3318	1690	3799	33,0	2.01	0,54	1.19	✓
RS 1200 - 016 - A	RS 1200 - 016 - B	16	0.63	76	2.99	60	2.36			1523	3424	1759	3954	37,7	2.30	0,56	1.23	✓
RS 1200 - 022 - A	RS 1200 - 022 - B	22	0.87	88	3.46	66	2.60			1594	3583	1864	4190	47,0	2.87	0,61	1.34	✓
RS 1200 - 029 - A	RS 1200 - 029 - B	29	1.14	102	4.02	73	2.87			1652	3713	1950	4385	58,0	3.54	0,67	1.48	✓
RS 1200 - 035 - A	RS 1200 - 035 - B	35	1.38	114	4.49	79	3.11			1688	3795	2006	4509	67,3	4.11	0,71	1.57	✓
RS 1200 - 047 - A	RS 1200 - 047 - B	47	1.85	138	5.43	91	3.58			1740	3911	2084	4685	86,0	5.25	0,81	1.79	✓
RS 1200 - 060 - A	RS 1200 - 060 - B	60	2.36	164	6.46	104	4.09			1776	3994	2141	4812	106,3	6.49	0,91	2.01	✓
RS 1200 - 072 - A	RS 1200 - 072 - B	72	2.83	188	7.40	116	4.57			1801	4048	2178	4896	125,0	7.63	1,05	2.31	✓
RS 1200 - 077 - A	RS 1200 - 077 - B	77	3.03	198	7.80	121	4.76			1809	4067	2191	4925	132,8	8.10	1,09	2.40	✓
RS 1200 - 097 - A	RS 1200 - 097 - B	97	3.82	238	9.37	141	5.55	1834	4124	2230	5014	163,9	10.00	1,21	2.67	✓		
RS 1200 - 122 - A	RS 1200 - 122 - B	122	4.80	288	11.34	166	6.54	1856	4172	2263	5088	202,9	12.38	1,41	3.11	✓		

◆ Disposable

WARNING REMOVE SKUDO

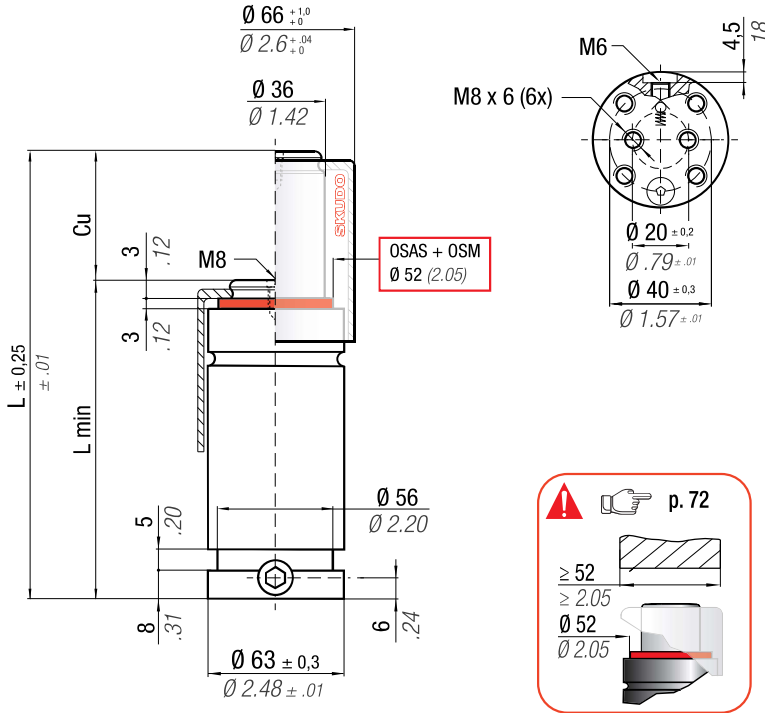
Upside down mounting

Drop-in

Bottom mount
FB 50 - FBA 50
FBB 50 - FBD 50
FS2A 50 - FTP 50

HOW TO ORDER p. 73

INSTALLATION GUIDELINE p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

Il nuovo codice sarà fornito solo ad esaurimento del vecchio
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ACTIVE SAFETY



OSAS



USAS



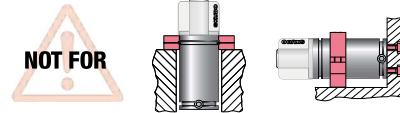
OPAS



SKUDO

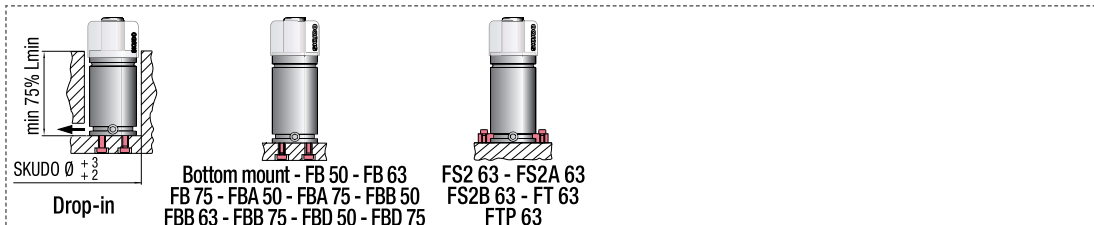
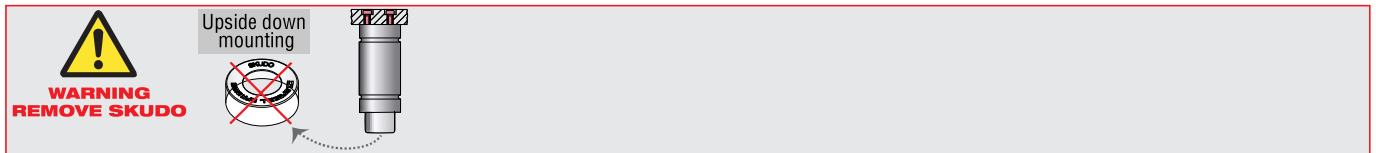
easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 10,18 cm ² 1.578 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01500C	
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force *	F _{1p} ** End force **	V ₀	
RS 1500 - 010 - B	◆ RS 1500 - 010 - C	10 0.39	70 2.76	60 2.36	1530 3440 ± 5% 150 bar 2175 psi	1981 4453	2258 5076	52 3.17	0,92 2.03
RS 1500 - 013 - B	◆ RS 1500 - 013 - C	13 0.51	76 2.99	63 2.48		2057 4625	2374 5337	60 3.66	0,96 2.12
RS 1500 - 016 - B	RS 1500 - 016 - C	16 0.63	82 3.23	66 2.60		2119 4764	2470 5552	68 4.15	0,99 2.18
RS 1500 - 022 - B	RS 1500 - 022 - C	22 0.87	94 3.70	72 2.83		2214 4978	2618 5885	83 5.06	1,06 2.34
RS 1500 - 029 - B	RS 1500 - 029 - C	29 1.14	108 4.25	79 3.11		2294 5156	2743 6166	102 6.22	1,14 2.51
RS 1500 - 035 - B	RS 1500 - 035 - C	35 1.38	120 4.72	85 3.35		2344 5270	2824 6348	118 7.20	1,21 2.67
RS 1500 - 047 - B	RS 1500 - 047 - C	47 1.85	144 5.67	97 3.82		2417 5433	2940 6610	149 9.09	1,35 2.98
RS 1500 - 060 - B	RS 1500 - 060 - C	60 2.36	170 6.69	110 4.33		2470 5552	3026 6803	184 11.23	1,51 3.33
RS 1500 - 072 - B	RS 1500 - 072 - C	72 2.83	194 7.64	122 4.80		2505 5631	3083 6931	215 13.12	1,65 3.64
RS 1500 - 077 - B	RS 1500 - 077 - C	77 3.03	204 8.03	127 5.00		2517 5657	3103 6975	229 13.97	1,71 3.77
RS 1500 - 097 - B	RS 1500 - 097 - C	97 3.82	244 9.61	147 5.79	2554 5741	3164 7112	281 17.15	1,94 4.28	
RS 1500 - 122 - B	RS 1500 - 122 - C	122 4.80	294 11.57	172 6.77	2585 5811	3215 7228	347 21.18	2,23 4.92	

◆ Disposable



HOW TO ORDER

p. 73

INSTALLATION GUIDELINE

p. 205

OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE SAFETY MARKER

ACTIVE SAFETY



OSAS



USAS



OPAS



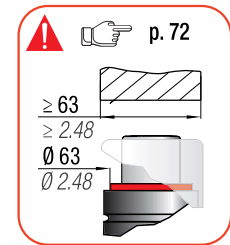
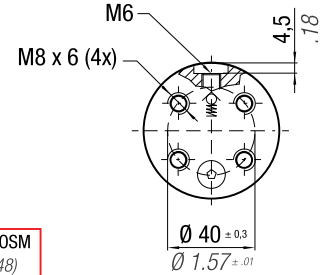
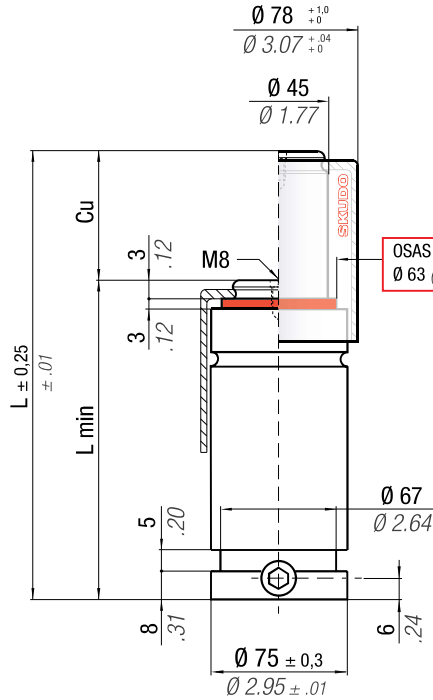
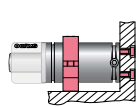
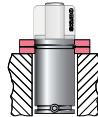
SKUDO

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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 15,90 cm ² 2,465 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV02400D
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RS 2400 - 013 - A	◆ RS 2400 - 013 - B	13	0.51	77	3.03	64	2.52	2385 ± 5% 150 bar 2175 psi + 20 °C +68 °F	5362	3232	7267	3737	8402	92	5.61	1,36	3,00	✓
RS 2400 - 016 - A	◆ RS 2400 - 016 - B	16	0.63	83	3.27	67	2.64			3334	7495	3894	8755	104	6.35	1,40	3,09	✓
RS 2400 - 022 - A	RS 2400 - 022 - B	22	0.87	95	3.74	73	2.87			3491	7847	4139	9305	128	7.81	1,50	3,31	✓
RS 2400 - 029 - A	RS 2400 - 029 - B	29	1.14	109	4.29	80	3.15			3622	8142	4347	9772	156	9.52	1,61	3,55	✓
RS 2400 - 035 - A	RS 2400 - 035 - B	35	1.38	121	4.76	86	3.39			3706	8332	4482	10076	180	10.98	1,70	3,75	✓
RS 2400 - 047 - A	RS 2400 - 047 - B	47	1.85	145	5.71	98	3.86			3828	8606	4678	10517	228	13.91	1,89	4,17	✓
RS 2400 - 060 - A	RS 2400 - 060 - B	60	2.36	171	6.73	111	4.37			3917	8806	4823	10843	280	17.09	2,09	4,61	✓
RS 2400 - 072 - A	RS 2400 - 072 - B	72	2.83	195	7.68	123	4.84			3976	8939	4920	11061	328	20.02	2,28	5,03	✓
RS 2400 - 077 - A	RS 2400 - 077 - B	77	3.03	205	8.07	128	5.04			3996	8984	4953	11136	348	21.24	2,36	5,20	✓
RS 2400 - 097 - A	RS 2400 - 097 - B	97	3.82	245	9.65	148	5.83			4059	9126	5057	11369	428	26.12	2,67	5,89	✓
RS 2400 - 122 - A	RS 2400 - 122 - B	122	4.80	295	11.61	173	6.81	4113	9246	5146	11568	528	32.22	3,07	6,77	✓		

◆ Disposable

WARNING REMOVE SKUDO

Upside down mounting

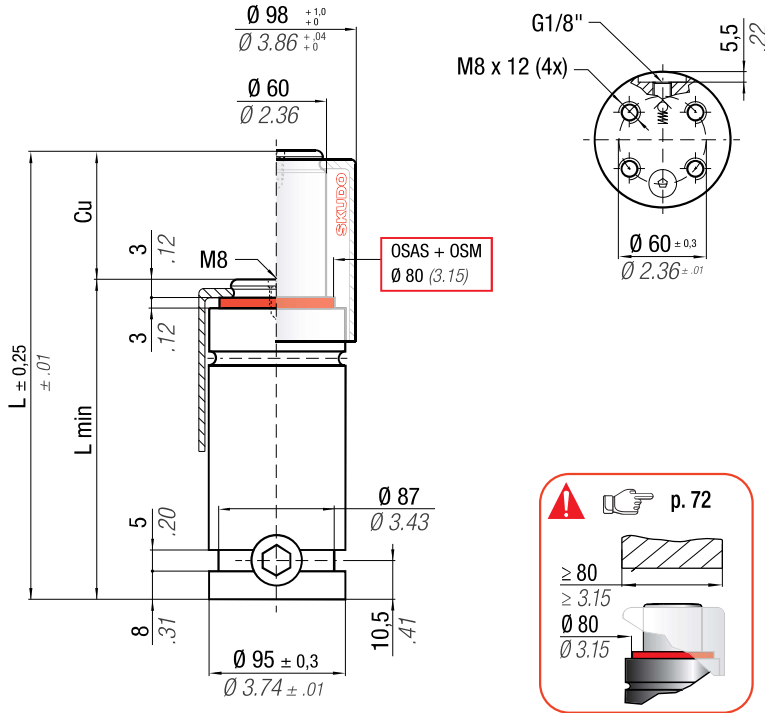
Drop-in

Bottom mount - FB 75
FBA 75 - FBB 75
FBC 75 - FBD 75

FS2 75 - FT 75
FS2A 75 - FTP 75

HOW TO ORDER p. 73

INSTALLATION GUIDELINE p. 205

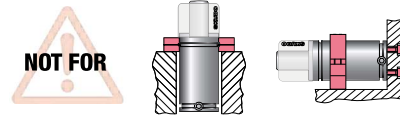


OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER

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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu



ACTIVE SAFETY



OSAS



USAS



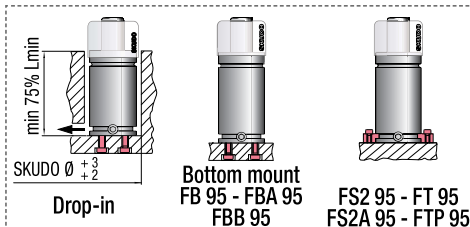
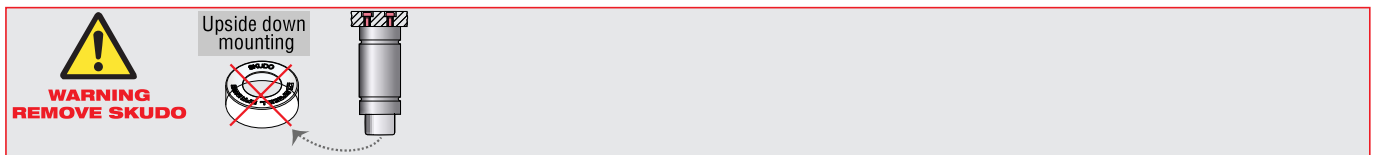
OPAS



SKUDO

N ₂	0 - 80 °C 32 - 176 °F	ΔP $\pm 0,33 \% / ^\circ C$	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 28,27 cm ² 4.382 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV04200C		
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force *	F _{1p} ** End force **	V ₀	PED 2014/68/EU	
RS 4200 - 013 - A	◆ RS 4200 - 013 - B	13 0.51	90 3.54	77 3.03	4240 9532 ± 5%	5651 12703	6498 14607	172 10.50	2,76 6.08 ✓	
RS 4200 - 016 - A	◆ RS 4200 - 016 - B	16 0.63	96 3.78	80 3.15		5842 13133	6791 15267	192 11.72	2,83 6.24 ✓	
RS 4200 - 022 - A	RS 4200 - 022 - B	22 0.87	108 4.25	86 3.39		6147 13819	7266 16334	232 14.16	2,98 6.57 ✓	
RS 4200 - 029 - A	RS 4200 - 029 - B	29 1.14	122 4.80	93 3.66		6413 14417	7687 17280	279 17.03	3,16 6.97 ✓	
RS 4200 - 035 - A	RS 4200 - 035 - B	35 1.38	134 5.28	99 3.90		6590 14815	7969 17915	320 19.53	3,30 7.28 ✓	
RS 4200 - 047 - A	RS 4200 - 047 - B	47 1.85	158 6.22	111 4.37		150 bar 2175 psi	6852 15403	8392 18866	401 24.47	3,60 7.94 ✓
RS 4200 - 060 - A	RS 4200 - 060 - B	60 2.36	184 7.24	124 4.88		+ 20 °C +68 °F	7049 15848	8715 19593	488 29.78	3,93 8.66 ✓
RS 4200 - 072 - A	RS 4200 - 072 - B	72 2.83	208 8.19	136 5.35			7184 16149	8936 20089	569 34.72	4,20 9.26 ✓
RS 4200 - 077 - A	RS 4200 - 077 - B	77 3.03	218 8.58	141 5.55			7230 16254	9013 20262	603 36.80	4,35 9.59 ✓
RS 4200 - 097 - A	RS 4200 - 097 - B	97 3.82	258 10.16	161 6.34			7377 16583	9256 20809	737 44.97	4,85 10.69 ✓
RS 4200 - 122 - A	RS 4200 - 122 - B	122 4.80	308 12.13	186 7.32	7503 16867	9467 21283	906 55.29	5,47 12.06 ✓		

◆ Disposable



HOW TO ORDER

p. 73

INSTALLATION GUIDELINE

p. 205

OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY



OSAS



USAS



OPAS



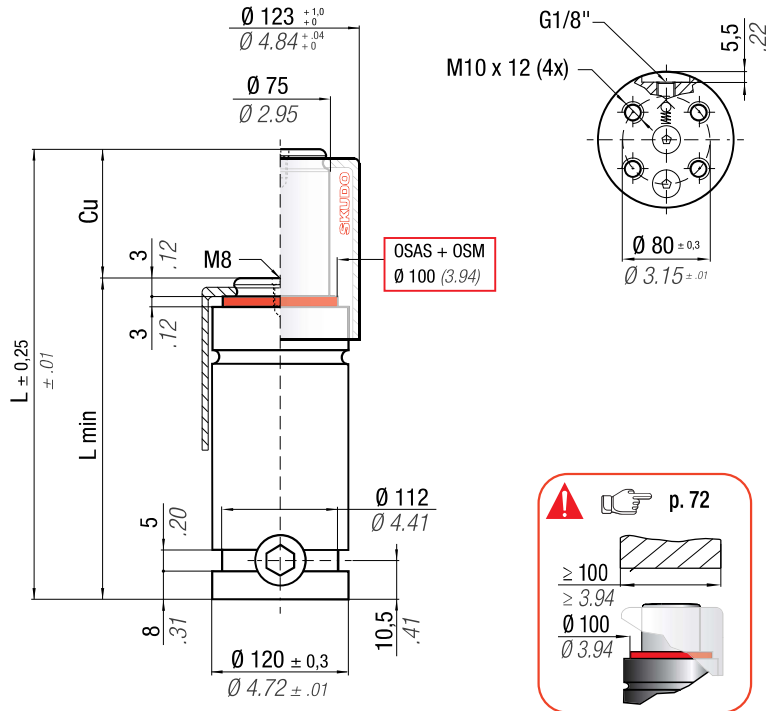
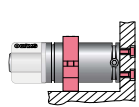
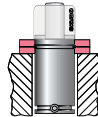
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easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

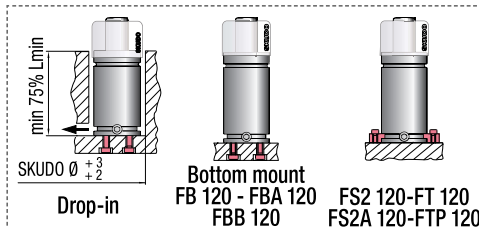
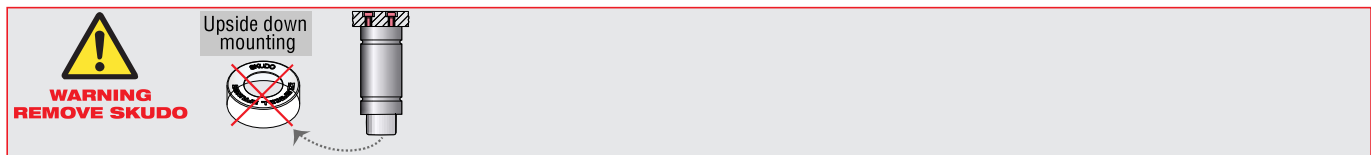
** F_{1p} = Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 44,18 cm ² 6.848 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV06600C
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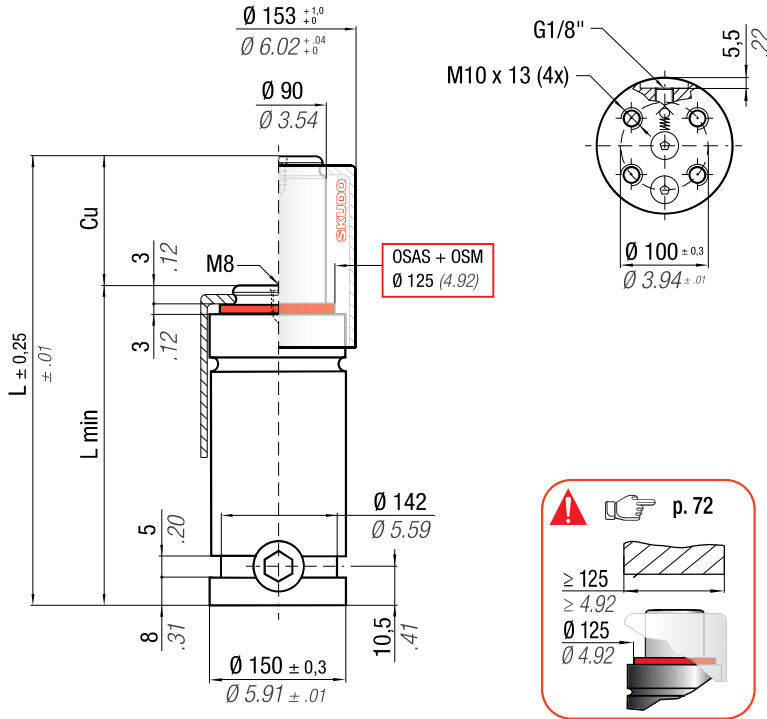
CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³				
RS 6600 - 013 - A	◆ RS 6600 - 013 - B	13	0.51	100	3.94	87	3.43	6630 ± 5%	14904	8547	19215	9724	21867	298	18.19	5,06	11.16	✓	
RS 6600 - 016 - A	◆ RS 6600 - 016 - B	16	0.63	106	4.17	90	3.54			8826	19843	10148	22814	330	20.14	5,17	11.40	✓	
RS 6600 - 022 - A	RS 6600 - 022 - B	22	0.87	118	4.65	96	3.78			9282	20867	10850	24391	394	24.04	5,42	11.95	✓	
RS 6600 - 029 - A	RS 6600 - 029 - B	29	1.14	132	5.20	103	4.06			9690	21784	11488	25825	469	28.62	5,69	12.54	✓	
RS 6600 - 035 - A	RS 6600 - 035 - B	35	1.38	144	5.67	109	4.29			9967	22406	11925	26808	533	32.53	5,93	13.07	✓	
RS 6600 - 047 - A	RS 6600 - 047 - B	47	1.85	168	6.61	121	4.76			150 bar	10385	23346	12593	28311	660	40.28	6,40	14.11	✓
RS 6600 - 060 - A	RS 6600 - 060 - B	60	2.36	194	7.64	134	5.28			2175 psi	10707	24071	13115	29485	799	48.76	6,90	15.21	✓
RS 6600 - 072 - A	RS 6600 - 072 - B	72	2.83	218	8.58	146	5.75			+ 20 °C +68 °F	10930	24571	13479	30301	927	56.57	7,40	16.31	✓
RS 6600 - 077 - A	RS 6600 - 077 - B	77	3.03	228	8.98	151	5.94				11007	24746	13606	30587	980	59.80	7,60	16.76	✓
RS 6600 - 097 - A	RS 6600 - 097 - B	97	3.82	268	10.55	171	6.73				11255	25302	14013	31503	1193	72.80	8,40	18.52	✓
RS 6600 - 122 - A	RS 6600 - 122 - B	122	4.80	318	12.52	196	7.72	11471	25787	14371	32307	1459	89.03	9,40	20.72	✓			

◆ Disposable



HOW TO ORDER
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INSTALLATION GUIDELINE
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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER

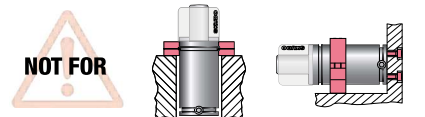
Il nuovo codice sarà fornito solo ad esaurimento del vecchio
 The new code will be supplied only when the old will be out of stock
 Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist
 Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé
 El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo
 O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY

- OSAS
- USAS
- OPAS
- SKUDO

easu MANIFOLD p. 247

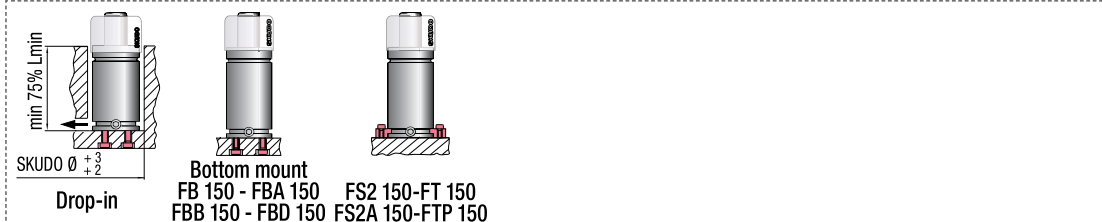
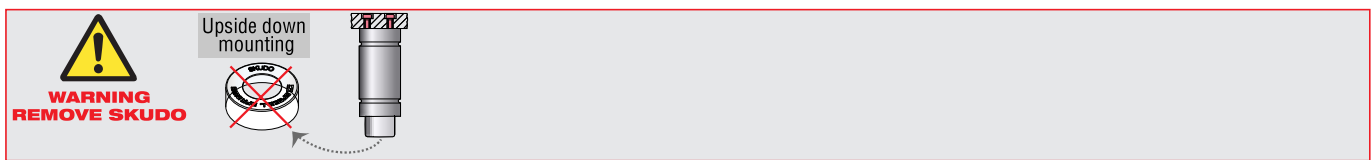
* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 63,62 cm ² 9.864 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV09500C
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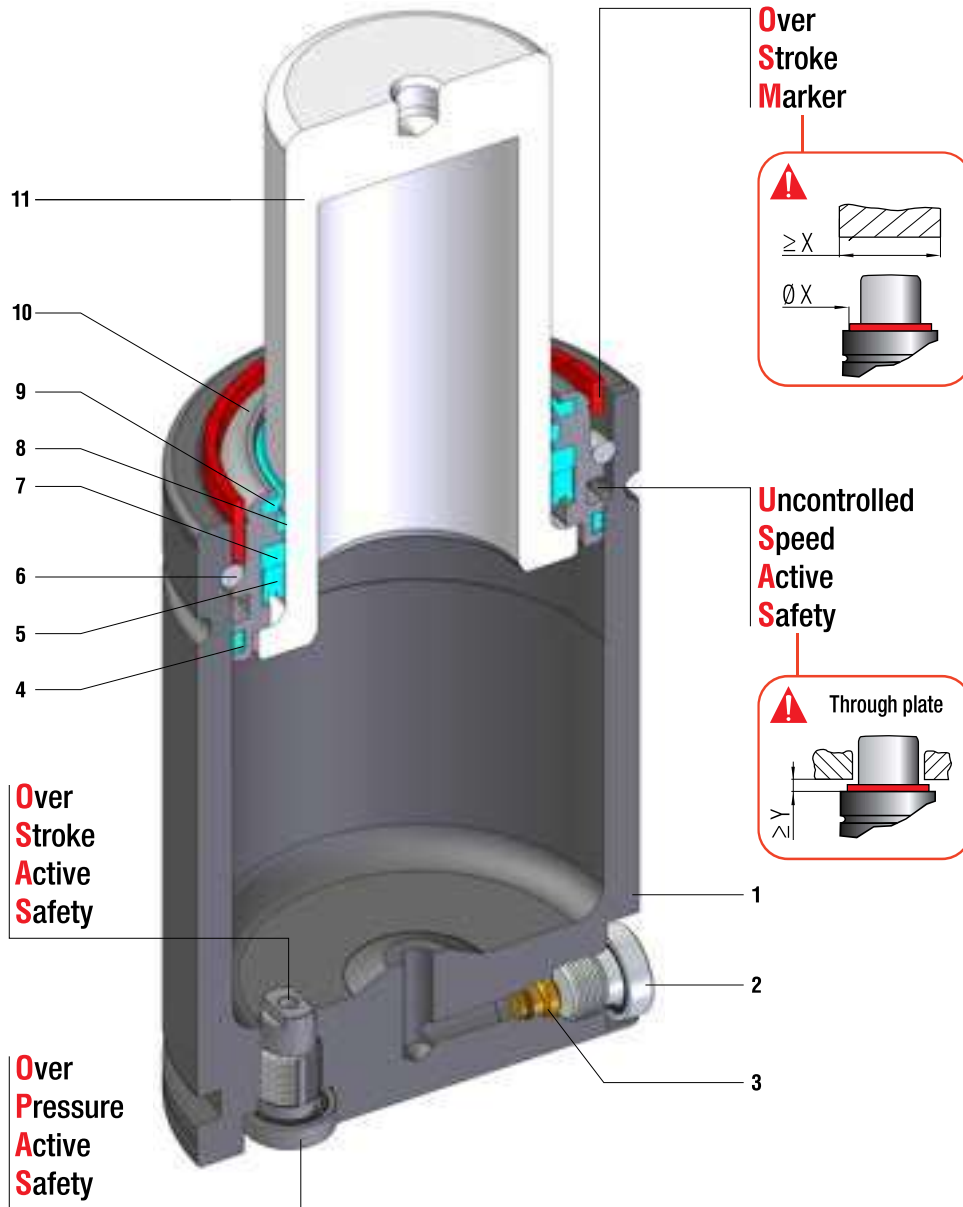
CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		PED 2014/68/EU		
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³	~Kg	~lb	✓
RS 9500 - 016 - A	◆ RS 9500 - 016 - B	16	0.63	116	4.57	100	3.94	9540 ± 5% 150 bar 2175 psi + 20 °C +68 °F		12414	27908	14164	31841	513	31.31	9,51	20.97	✓
RS 9500 - 022 - A	◆ RS 9500 - 022 - B	22	0.87	128	5.04	106	4.17			13018	29265	15085	33913	609	37.16	9,90	21.83	✓
RS 9500 - 029 - A	RS 9500 - 029 - B	29	1.14	142	5.59	113	4.45			13561	30487	15927	35805	721	44.00	10,30	22.71	✓
RS 9500 - 035 - A	RS 9500 - 035 - B	35	1.38	154	6.06	119	4.69			13930	31317	16505	37105	818	49.92	10,70	23.59	✓
RS 9500 - 047 - A	RS 9500 - 047 - B	47	1.85	178	7.01	131	5.16			14491	32578	17393	39102	1010	61.63	11,40	25.13	✓
RS 9500 - 060 - A	RS 9500 - 060 - B	60	2.36	204	8.03	144	5.67			14926	33555	18090	40667	1218	74.33	12,20	26.90	✓
RS 9500 - 072 - A	RS 9500 - 072 - B	72	2.83	228	8.98	156	6.14			15227	34231	18575	41758	1410	86.04	13,00	28.66	✓
RS 9500 - 077 - A	RS 9500 - 077 - B	77	3.03	238	9.37	161	6.34			15332	34467	18745	42140	1491	90.99	13,30	29.32	✓
RS 9500 - 097 - A	RS 9500 - 097 - B	97	3.82	278	10.94	181	7.13			15667	35221	19292	43370	1811	110.51	14,60	32.19	✓
RS 9500 - 122 - A	RS 9500 - 122 - B	122	4.80	328	12.91	206	8.11			15961	35881	19773	44451	2212	134.98	16,10	35.49	✓

◆ Disposable



HOW TO ORDER
 p. 73
INSTALLATION GUIDELINE
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FCA		



Minima altezza, massima forza, collegabili G1/8 - Minimum height, maximum force, hose cylinders with G1/8 charging port
 Minimale Höhe, maximale Kraft, Gdf. mit G1/8 Öffnung verbindbar - Hauteur minimale, force maximale, cylindres raccordés avec trou G1/8 gaz
 Mínima altura, máxima fuerza, cilindros conectados con agujero G1/8 gas - Altura mínima, força máxima, cilindros conectados com furo G1/8 gás

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

1	Body	5	Rod seal	9	Rod wiper
2	Plug	6	Retaining ring	10	Bush
3	Valve	7	Back-up ring	11	Rod (nitrited superfinished)
4	Dual ring seal	8	Guide ring		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0						
	mm	inch	mm	inch	daN	lb	OSAS	USAS	OPAS	SKUDO	SW
RF 750	45	1.77	10 - 125	0.39 - 4.92	740	1664	✓	✓	✓	-	✓
RF 1000	50	1.97	13 - 125	0.51 - 4.92	920	2068	✓	✓	✓	-	✓
RF 1200	50	1.97	13 - 125	0.51 - 4.92	1060	2383	✓	✓	✓	-	✓
RF 1500	63	2.48	13 - 125	0.51 - 4.92	1530	3440	✓	✓	✓	-	✓
RF 2400	75	2.95	16 - 125	0.63 - 4.92	2385	5362	✓	✓	✓	-	✓
	95	3.74								✓ Built-in as standard	✓ Optional upon request
	120	4.72									
	150	5.91									
	150	5.91									
	195	7.68									

RV series

HOW TO ORDER

Series _____ Revision code _____

Model **RF2400-050-B-E-W**

Stroke _____ Version _____

Available versions

RF 2400-050-B Standard code	RF 2400-050-B-W Add "-W" to standard code	RF 2400-050-B-N Add "-N" to standard code	RF 2400-050-B-N-W Add "-N-W" to standard code	RF 2400-050-B-E Add "-E" to standard code	RF 2400-050-B-E-W Add "-E-W" to standard code
Self contained	Self contained + Secondary wiper	Linkable	Linkable + Secondary wiper	Easy Manifold	Easy Manifold + Secondary wiper



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



USAS



OPAS

easu MANIFOLD p. 247

* F_{1i} =

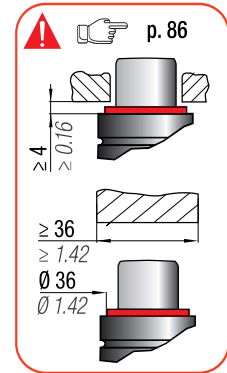
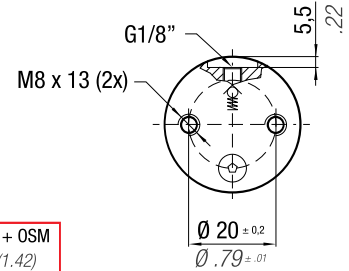
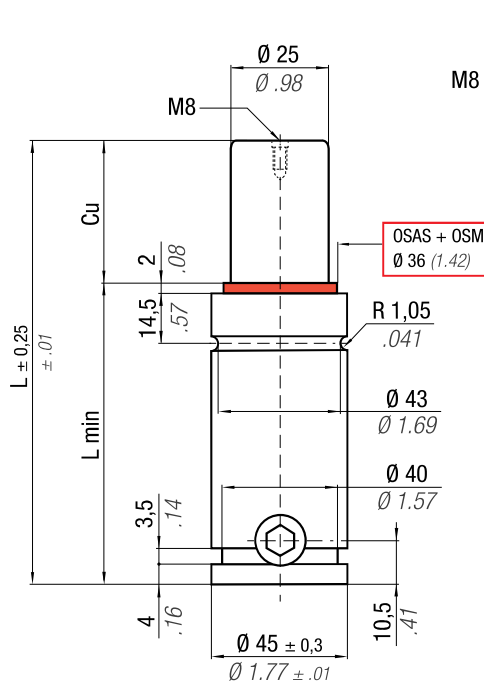
Isothermal end force at 100% Cu



p. 16

** F_{1p} =

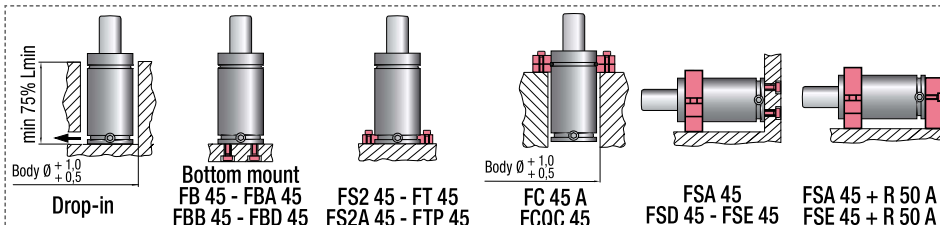
Polytrophic end force at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 4,91 cm ² 0,761 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00750C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀		F _{1i} *		F _{1p} **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RF 750 - 010 - A	◆ RF 750 - 010 - B	10	0.39	62	2.44	52	2.05	740 ± 5%	1664	1118	2514	1343	3018	16,6	1.01	0,47	1.04	✓
RF 750 - 013 - A	RF 750 - 013 - B	13	0.51	68	2.68	55	2.17			1152	2590	1396	3139	20,4	1.24	0,48	1.06	✓
RF 750 - 016 - A	RF 750 - 016 - B	16	0.63	74	2.91	58	2.28			1176	2644	1435	3227	24,1	1.47	0,50	1.10	✓
RF 750 - 019 - A	RF 750 - 019 - B	19	0.75	80	3.15	61	2.40			1194	2685	1465	3293	27,9	1.70	0,52	1.15	✓
RF 750 - 025 - A	RF 750 - 025 - B	25	0.98	92	3.62	67	2.64			1220	2743	1507	3388	35,5	2.17	0,56	1.23	✓
RF 750 - 032 - A	RF 750 - 032 - B	32	1.26	106	4.17	74	2.91			1240	2787	1539	3460	44,3	2.70	0,61	1.34	✓
RF 750 - 038 - A	RF 750 - 038 - B	38	1.50	118	4.65	80	3.15			1251	2813	1558	3503	51,9	3.17	0,65	1.43	✓
RF 750 - 050 - A	RF 750 - 050 - B	50	1.97	142	5.59	92	3.62			1267	2848	1584	3562	67,0	4.09	0,72	1.59	✓
RF 750 - 063 - A	RF 750 - 063 - B	63	2.48	168	6.61	105	4.13			1278	2873	1602	3602	83,4	5.09	0,81	1.79	✓
RF 750 - 075 - A	RF 750 - 075 - B	75	2.95	192	7.56	117	4.61			1285	2888	1614	3628	98,5	6.01	0,88	1.94	✓
RF 750 - 080 - A	RF 750 - 080 - B	80	3.15	202	7.95	122	4.80			1287	2893	1618	3637	104,8	6.40	0,92	2.03	✓
RF 750 - 100 - A	RF 750 - 100 - B	100	3.94	242	9.53	142	5.59			1294	2909	1629	3663	130,1	7.94	1,04	2.29	✓
RF 750 - 125 - A	RF 750 - 125 - B	125	4.92	292	11.50	167	6.57			1300	2922	1639	3685	161,6	9.86	1,21	2.67	✓

◆ Disposable

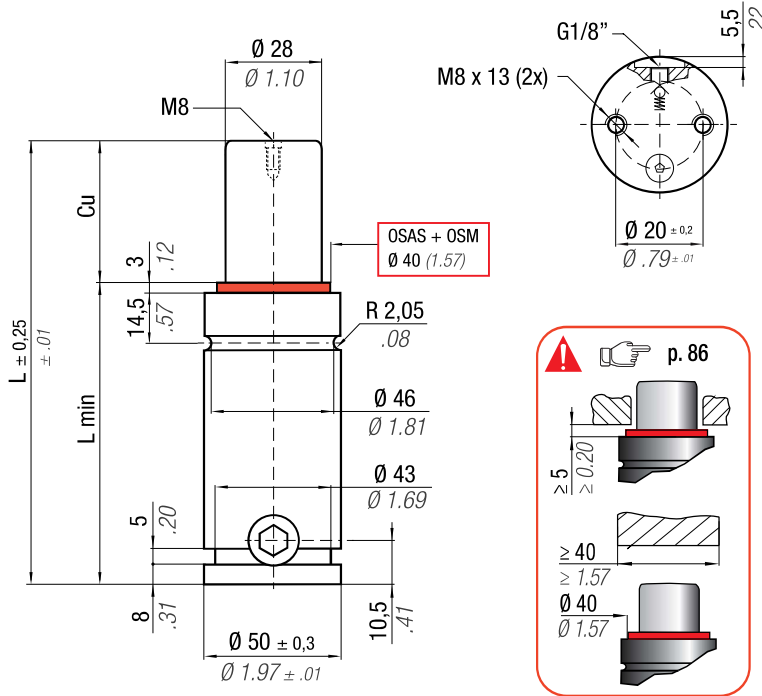


HOW TO ORDER

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INSTALLATION GUIDELINE

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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

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ACTIVE SAFETY



OSAS



USAS



OPAS

* F_{1i} =

Isothermal end force at 100% Cu



p. 16

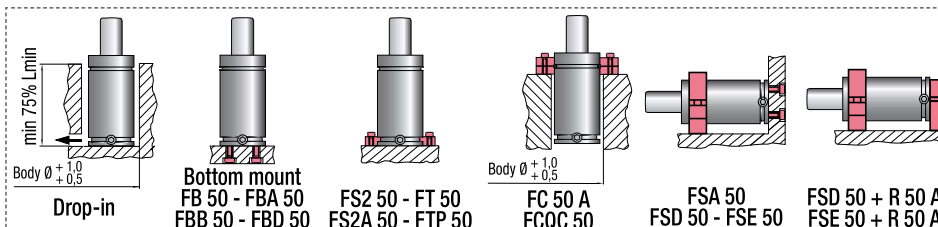
** F_{1p} =

Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 6,15 cm ² 0.953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01000C		
CODE	NEW	Cu	L	L min	F ₀	F _{1i} *	F _{1p} **	V ₀		
PHASING OUT from 04/2021		mm inch	mm inch	mm inch	Initial force daN lb	End force * daN lb	End force ** daN lb	cm ³ in ³	~Kg ~lb	2014/68/EU
RF 1000 - 013 - A	◆ RF 1000 - 013 - B	13 0.51	74 2.91	61 2.40	920 2068 ± 5% 150 bar 2175 psi + 20 °C + 68 °F	1370 3079	1631 3667	28,4 1.73	0,65 1.43	✓
RF 1000 - 016 - A	RF 1000 - 016 - B	16 0.63	80 3.15	64 2.52		1407 3163	1690 3800	33,1 2.02	0,68 1.50	✓
RF 1000 - 019 - A	RF 1000 - 019 - B	19 0.75	86 3.39	67 2.64		1436 3229	1737 3906	37,7 2.30	0,70 1.54	✓
RF 1000 - 025 - A	RF 1000 - 025 - B	25 0.98	98 3.86	73 2.87		1479 3326	1807 4062	47,1 2.87	0,75 1.65	✓
RF 1000 - 032 - A	RF 1000 - 032 - B	32 1.26	112 4.41	80 3.15		1514 3403	1863 4187	58,0 3.54	0,81 1.79	✓
RF 1000 - 038 - A	RF 1000 - 038 - B	38 1.50	124 4.88	86 3.39		1535 3451	1897 4266	67,4 4.11	0,85 1.87	✓
RF 1000 - 050 - A	RF 1000 - 050 - B	50 1.97	148 5.83	98 3.86		1564 3517	1946 4375	86,1 5.25	0,95 2.09	✓
RF 1000 - 063 - A	RF 1000 - 063 - B	63 2.48	174 6.85	111 4.37		1585 3564	1981 4453	106,3 6.49	1,05 2.31	✓
RF 1000 - 075 - A	RF 1000 - 075 - B	75 2.95	198 7.80	123 4.84		1599 3594	2003 4503	125,0 7.63	1,15 2.54	✓
RF 1000 - 080 - A	RF 1000 - 080 - B	80 3.15	208 8.19	128 5.04		1603 3605	2011 4520	132,8 8.10	1,19 2.62	✓
RF 1000 - 100 - A	RF 1000 - 100 - B	100 3.94	248 9.76	148 5.83	1618 3636	2034 4573	164,0 10.01	1,35 2.98	✓	
RF 1000 - 125 - A	RF 1000 - 125 - B	125 4.92	298 11.73	173 6.81	1629 3663	2054 4617	202,9 12.38	1,55 3.42	✓	

◆ Disposable



HOW TO ORDER

p. 87

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



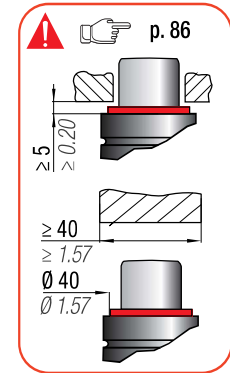
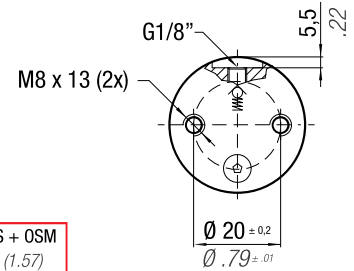
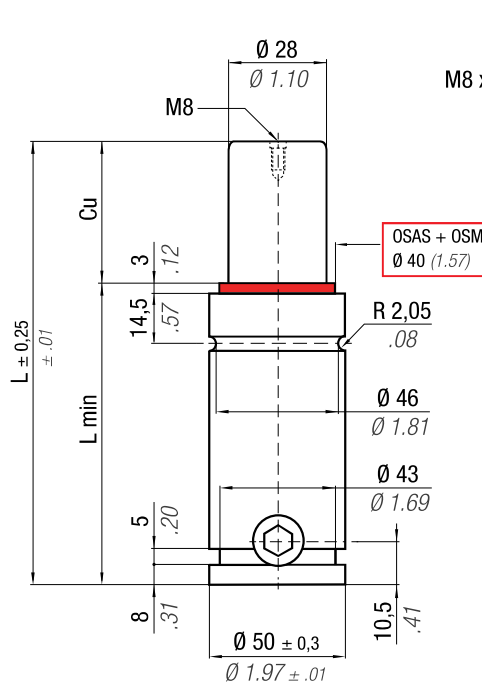
USAS



OPAS

* $F_{1j} =$ Isothermal end force at 100% Cu p. 16

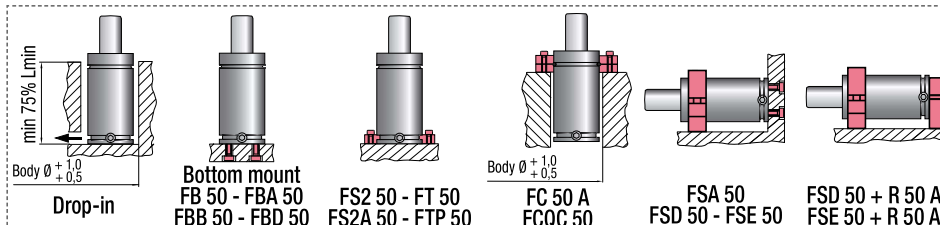
** $F_{1p} =$ Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 170 bar 2465 psi	P min 20 bar 290 psi	S 6,15 cm ² 0,953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1j} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RF 1200 - 013 - A	♦ RF 1200 - 013 - B	13	0.51	74	2.91	61	2.40	1046 ± 5%	2352	1577	3546	1839	4135	28,4	1.73	0,65	1.43	✓
RF 1200 - 016 - A	RF 1200 - 016 - B	16	0.63	80	3.15	64	2.52			1622	3646	1906	4284	33,1	2.02	0,68	1.50	✓
RF 1200 - 019 - A	RF 1200 - 019 - B	19	0.75	86	3.39	67	2.64			1657	3725	1959	4403	37,7	2.30	0,70	1.54	✓
RF 1200 - 025 - A	RF 1200 - 025 - B	25	0.98	98	3.86	73	2.87			1709	3841	2037	4579	47,1	2.87	0,75	1.65	✓
RF 1200 - 032 - A	RF 1200 - 032 - B	32	1.26	112	4.41	80	3.15			1750	3934	2100	4721	58,0	3.54	0,81	1.79	✓
RF 1200 - 038 - A	RF 1200 - 038 - B	38	1.50	124	4.88	86	3.39			1776	3992	2139	4809	67,4	4.11	0,85	1.87	✓
RF 1200 - 050 - A	RF 1200 - 050 - B	50	1.97	148	5.83	98	3.86			1811	4072	2194	4932	86,1	5.25	0,95	2.09	✓
RF 1200 - 063 - A	RF 1200 - 063 - B	63	2.48	174	6.85	111	4.37			1836	4128	2233	5020	106,3	6.49	1,05	2.31	✓
RF 1200 - 075 - A	RF 1200 - 075 - B	75	2.95	198	7.80	123	4.84			1853	4165	2258	5077	125,0	7.63	1,15	2.54	✓
RF 1200 - 080 - A	RF 1200 - 080 - B	80	3.15	208	8.19	128	5.04			1858	4177	2267	5096	132,8	8.10	1,19	2.62	✓
RF 1200 - 100 - A	RF 1200 - 100 - B	100	3.94	248	9.76	148	5.83	1875	4215	2293	5156	164,0	10.01	1,35	2.98	✓		
RF 1200 - 125 - A	RF 1200 - 125 - B	125	4.92	298	11.73	173	6.81	1889	4247	2315	5205	202,9	12.38	1,55	3.42	✓		

♦ Disposable

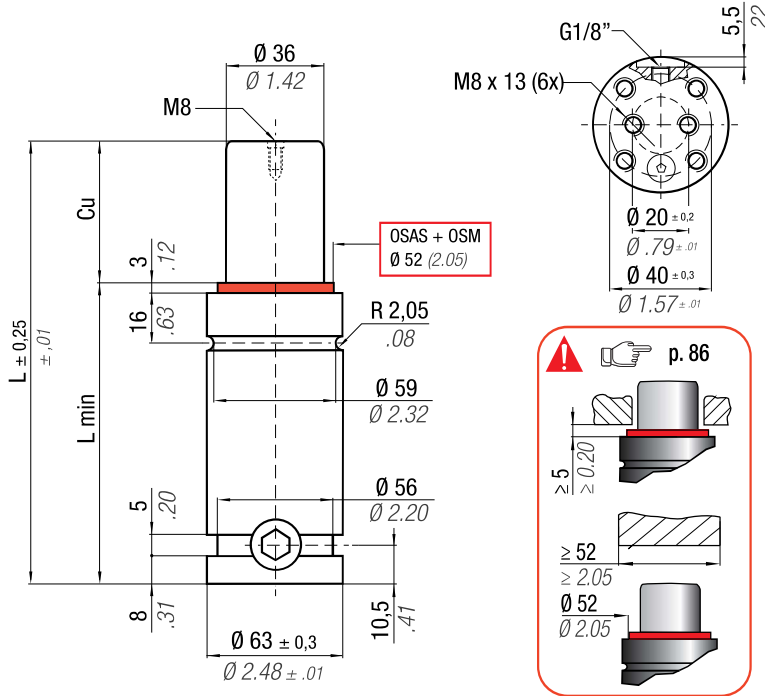


HOW TO ORDER

p. 87

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY



OSAS



USAS



OPAS

* F_{1i} =

Isothermal end force at 100% Cu



p. 16

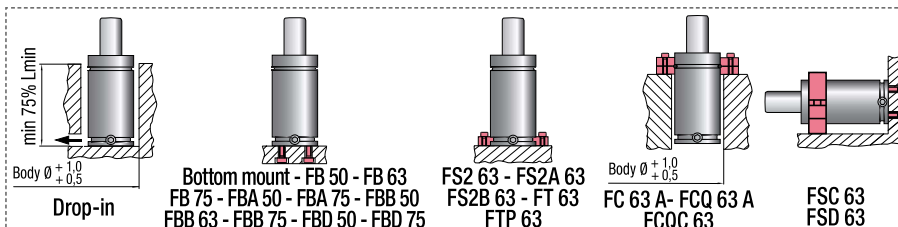
** F_{1p} =

Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 10,18 cm ² 1.578 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01500C		
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force *	F _{1p} ** End force **	V ₀	PED 2014/68/EU	
RF 1500 - 013 - B	◆ RF 1500 - 013 - C	13 0.51	80 3.15	67 2.64	1530 3440 ± 5%	2168 4874	2546 5723	52 3.17	1,15 2.54	✓
RF 1500 - 016 - B	RF 1500 - 016 - C	16 0.63	86 3.39	70 2.76		2230 5012	2642 5939	60 3.66	1,18 2.60	✓
RF 1500 - 019 - B	RF 1500 - 019 - C	19 0.75	92 3.62	73 2.87		2279 5123	2720 6114	68 4.15	1,22 2.69	✓
RF 1500 - 025 - B	RF 1500 - 025 - C	25 0.98	104 4.09	79 3.11		2353 5290	2838 6380	84 5.13	1,29 2.84	✓
RF 1500 - 032 - B	RF 1500 - 032 - C	32 1.26	118 4.65	86 3.39		2414 5426	2935 6599	102 6.22	1,37 3.02	✓
RF 1500 - 038 - B	RF 1500 - 038 - C	38 1.50	130 5.12	92 3.62		2452 5512	2997 6738	118 7.20	1,44 3.17	✓
RF 1500 - 050 - B	RF 1500 - 050 - C	50 1.97	154 6.06	104 4.09		2506 5633	3085 6935	149 9.09	1,58 3.48	✓
RF 1500 - 063 - B	RF 1500 - 063 - C	63 2.48	180 7.09	117 4.61		2544 5720	3148 7078	184 11.23	1,74 3.84	✓
RF 1500 - 075 - B	RF 1500 - 075 - C	75 2.95	204 8.03	129 5.08		2570 5777	3190 7172	215 13.12	1,88 4.14	✓
RF 1500 - 080 - B	RF 1500 - 080 - C	80 3.15	214 8.43	134 5.28		2578 5797	3204 7204	229 13.97	1,94 4.28	✓
RF 1500 - 100 - B	RF 1500 - 100 - C	100 3.94	254 10.00	154 6.06	2605 5857	3249 7303	281 17.15	2,18 4.81	✓	
RF 1500 - 125 - B	RF 1500 - 125 - C	125 4.92	304 11.97	179 7.05	2628 5907	3286 7387	347 21.18	2,47 5.45	✓	

◆ Disposable



HOW TO ORDER

p. 87

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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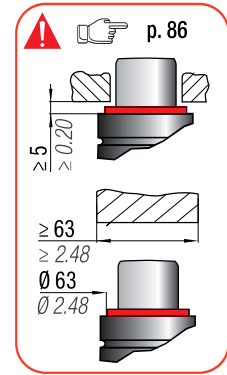
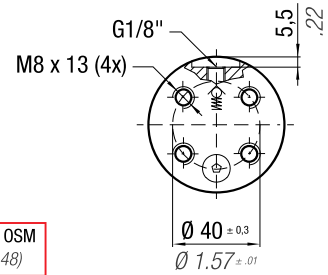
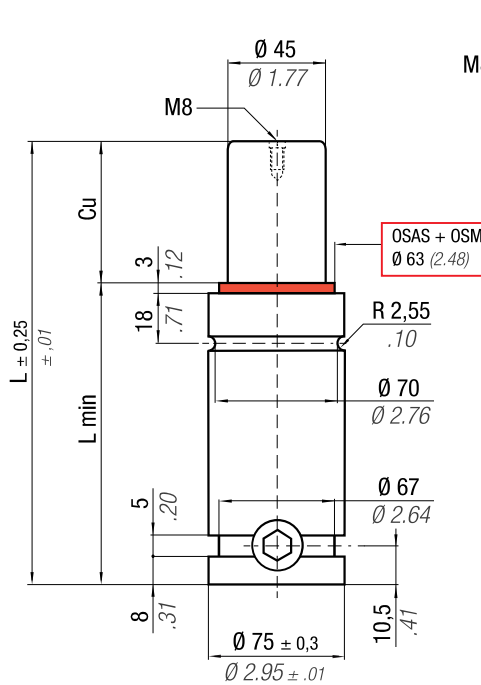
easu MANIFOLD p. 247

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



p. 16

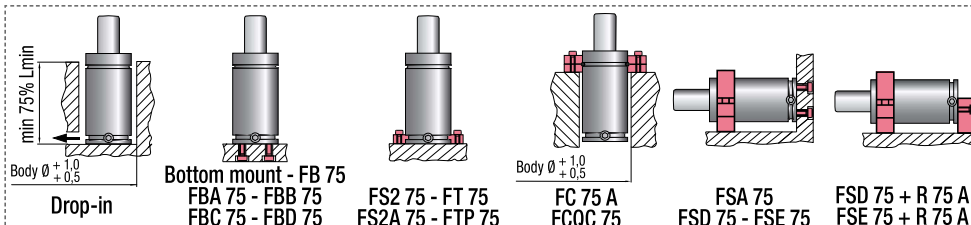
** F_{1p} =
Polytropic
end force
at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 15,90 cm ² 2,465 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV02400D
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RF 2400 - 016 - A	◆ RF 2400 - 016 - B	16	0.63	87	3.43	71	2.80	2385 ± 5% 5362	150 bar 2175 psi	3510	7891	4170	9374	92	5.61	1,68	3.70	✓
RF 2400 - 019 - A	◆ RF 2400 - 019 - B	19	0.75	93	3.66	74	2.91			3592	8075	4299	9665	104	6.35	1,73	3.81	✓
RF 2400 - 025 - A	RF 2400 - 025 - B	25	0.98	105	4.13	80	3.15			3716	8354	4498	10111	128	7.81	1,82	4.01	✓
RF 2400 - 032 - A	RF 2400 - 032 - B	32	1.26	119	4.69	87	3.43			3818	8583	4662	10481	156	9.52	1,93	4.25	✓
RF 2400 - 038 - A	RF 2400 - 038 - B	38	1.50	131	5.16	93	3.66			3883	8728	4767	10717	180	10.98	2,03	4.48	✓
RF 2400 - 050 - A	RF 2400 - 050 - B	50	1.97	155	6.10	105	4.13			3974	8935	4917	11054	228	13.91	2,21	4.87	✓
RF 2400 - 063 - A	RF 2400 - 063 - B	63	2.48	181	7.13	118	4.65			4041	9083	5026	11299	280	17.09	2,42	5.34	✓
RF 2400 - 075 - A	RF 2400 - 075 - B	75	2.95	205	8.07	130	5.12			4084	9181	5098	11461	328	20.02	2,61	5.75	✓
RF 2400 - 080 - A	RF 2400 - 080 - B	80	3.15	215	8.46	135	5.31			4099	9215	5123	11517	348	21.24	2,69	5.93	✓
RF 2400 - 100 - A	RF 2400 - 100 - B	100	3.94	255	10.04	155	6.10			4145	9318	5199	11688	428	26.12	3,00	6.61	✓
RF 2400 - 125 - A	RF 2400 - 125 - B	125	4.92	305	12.01	180	7.09	4183	9405	5264	11833	528	32.22	3,40	7.50	✓		

◆ Disposable



HOW TO ORDER

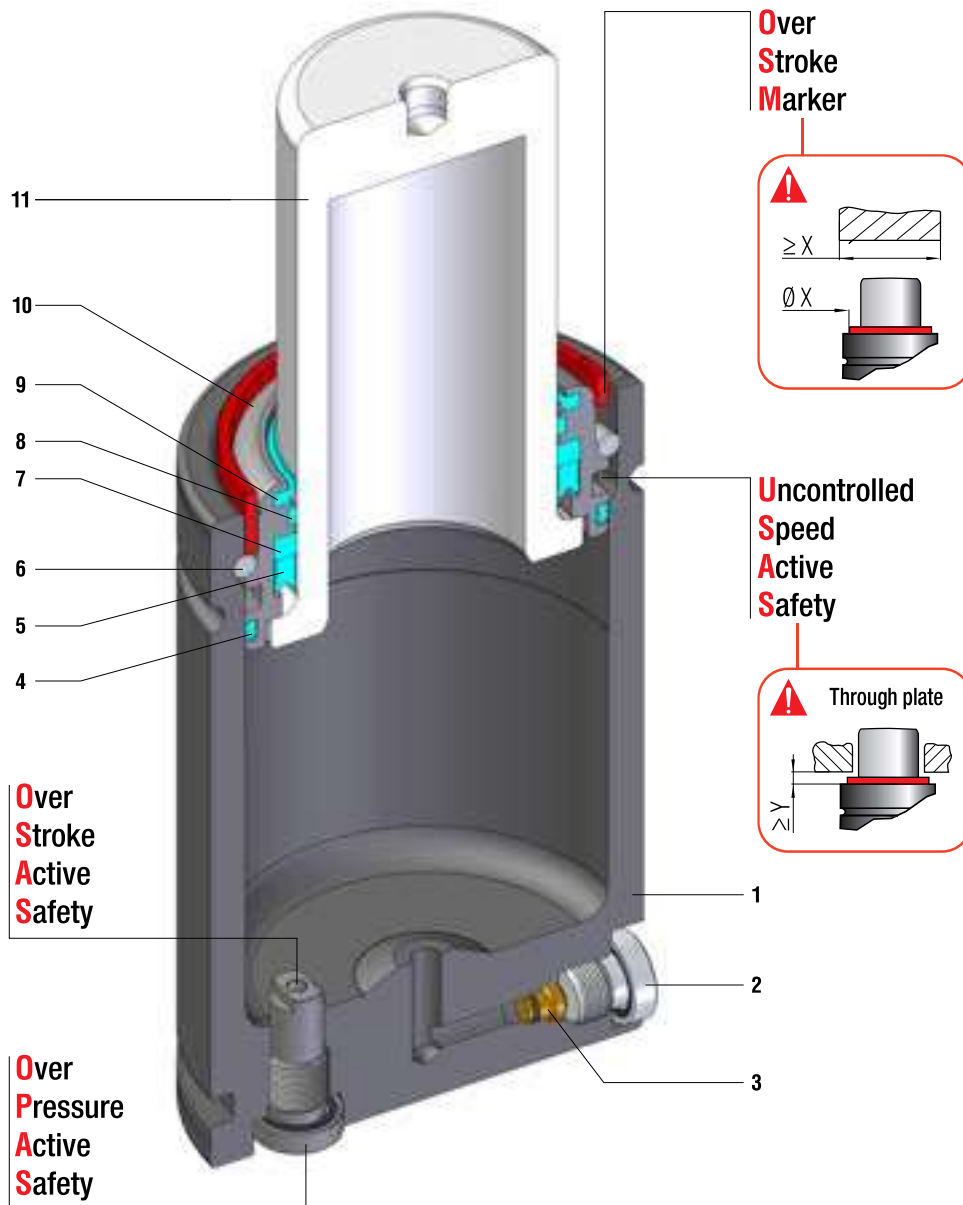
p. 87

INSTALLATION GUIDELINE

p. 205



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Minima altezza, massima forza, collegabili G1/8 - Minimum height, maximum force, hose cylinders with G1/8 charging port - Minimale Höhe, maximale Kraft, Gdf. mit G1/8 Öffnung verbindbar - Hauteur minimale, force maximale, cylindres raccordés avec trou G1/8 gaz - Mínima altura, máxima fuerza, cilindros conectados con agujero G1/8 gas - Altura mínima, força máxima, cilindros conectados com furo G1/8 gás

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

1	Body	5	Rod seal	9	Rod wiper
2	Plug	6	Retaining ring	10	Bush
3	Valve	7	Back-up ring	11	Rod (nitrited superfinished)
4	Dual ring seal	8	Guide ring		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0						
	mm	inch	mm	inch	daN	lb	OSAS	USAS	OPAS	SKUDO	SW
■ RG 750	45	1.77	10 - 125	0.39 - 4.92	740	1664	✓	✓	✓	-	✓
■ RG 1000	50	1.97	10 - 125	0.39 - 4.92	920	2068	✓	✓	✓	-	✓
■ RG 1500	63	2.48	10 - 125	0.39 - 4.92	1530	3440	✓	✓	✓	-	✓
■ RG 2400	75	2.95	10 - 125	0.39 - 4.92	2385	5362	✓	✓	✓	-	✓
■ RG 4200	95	3.74	16 - 125	0.63 - 4.92	4240	9532	✓	✓	✓	-	✓
■ RG 6600	120	4.72	16 - 125	0.63 - 4.92	6630	14905	✓	✓	✓	-	✓

✓ Built-in as standard ✓ Optional upon request



HOW TO ORDER



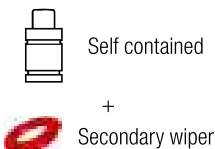
Available versions



RG 2400-050-B
Standard code



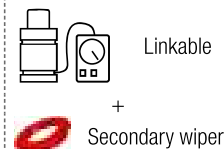
RG 2400-050-B-W
Add "-W" to standard code



RG 2400-050-B-N
Add "-N" to standard code



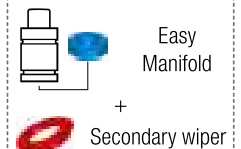
RG 2400-050-B-N-W
Add "-N-W" to standard code



RG 2400-050-B-E
Add "-E" to standard code



RG 2400-050-B-E-W
Add "-E-W" to standard code





OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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OSAS



USAS



OPAS

* F_{1i} =

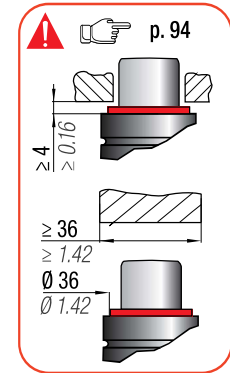
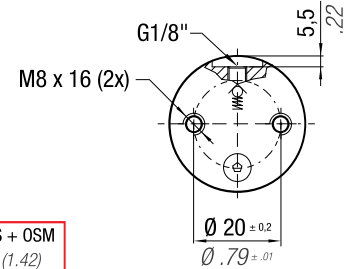
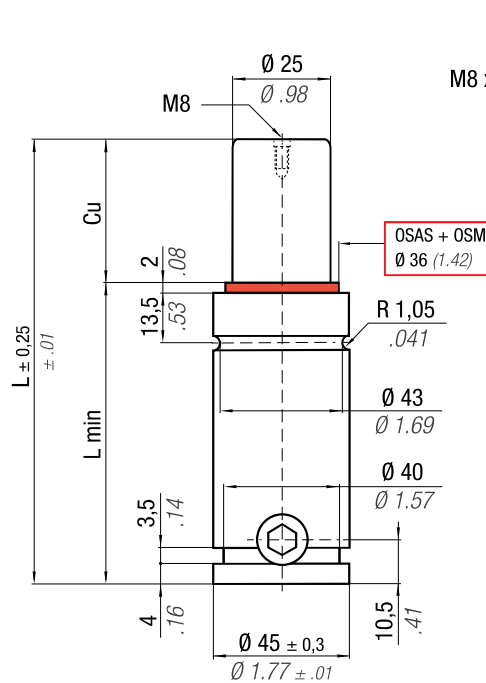
Isothermal end force at 100% Cu



p. 16

** F_{1p} =

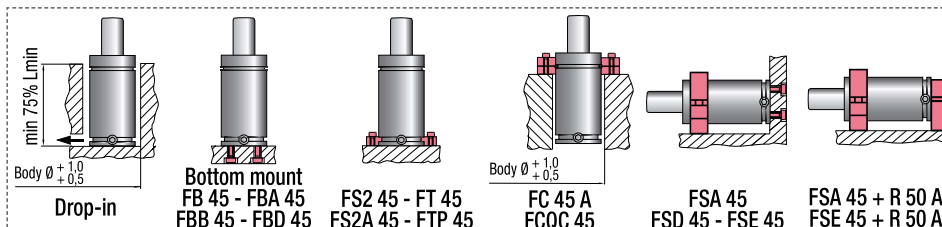
Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP $\pm 0,33 \% / ^\circ C$	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 4,91 cm ² 0,761 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00750C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀		F _{1i} *		F _{1p} **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RG 750 - 010 - A	◆ RG 750 - 010 - B	10	0.39	67	2.64	57	2.24	740 ± 5%	1664	1026	2307	1198	2693	20,2	1.23	0,50	1.10	✓
RG 750 - 013 - A	◆ RG 750 - 013 - B	13	0.51	73	2.87	60	2.36			1065	2394	1258	2828	23,9	1.46	0,52	1.15	✓
RG 750 - 016 - A	RG 750 - 016 - B	16	0.63	79	3.11	63	2.48			1095	2461	1305	2933	27,7	1.69	0,54	1.19	✓
RG 750 - 019 - A	RG 750 - 019 - B	19	0.75	85	3.35	66	2.60			1118	2514	1342	3017	31,5	1.92	0,56	1.23	✓
RG 750 - 025 - A	RG 750 - 025 - B	25	0.98	97	3.82	72	2.83			1153	2593	1398	3143	39,1	2.39	0,60	1.32	✓
RG 750 - 032 - A	RG 750 - 032 - B	32	1.26	111	4.37	79	3.11			1182	2656	1444	3246	47,9	2.92	0,64	1.41	✓
RG 750 - 038 - A	RG 750 - 038 - B	38	1.50	123	4.84	85	3.35			1199	2696	1473	3311	55,5	3.39	0,68	1.50	✓
RG 750 - 050 - A	RG 750 - 050 - B	50	1.97	147	5.79	97	3.82			1224	2752	1514	3403	70,6	4.31	0,76	1.68	✓
RG 750 - 063 - A	RG 750 - 063 - B	63	2.48	173	6.81	110	4.33			1242	2792	1543	3468	87,0	5.31	0,84	1.85	✓
RG 750 - 075 - A	RG 750 - 075 - B	75	2.95	197	7.76	122	4.80			1253	2818	1562	3511	102,1	6.23	0,92	2.03	✓
RG 750 - 080 - A	RG 750 - 080 - B	80	3.15	207	8.15	127	5.00	1257	2827	1568	3526	108,4	6.61	0,95	2.09	✓		
RG 750 - 100 - A	RG 750 - 100 - B	100	3.94	247	9.72	147	5.79	1269	2854	1588	3571	133,7	8.16	1,08	2.38	✓		
RG 750 - 125 - A	RG 750 - 125 - B	125	4.92	297	11.69	172	6.77	1280	2877	1605	3609	165,2	10.08	1,24	2.73	✓		

◆ Disposable

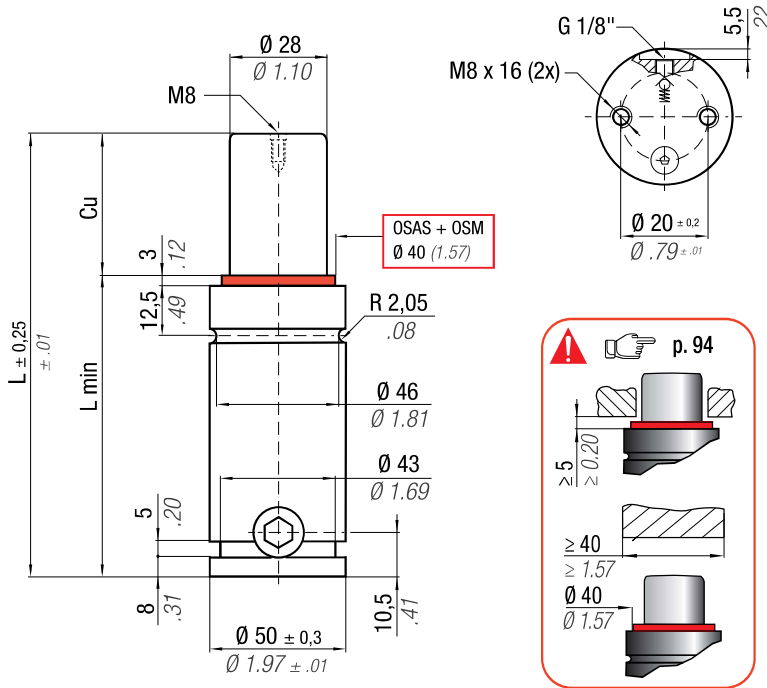


HOW TO ORDER

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INSTALLATION GUIDELINE

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OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



* F_{1i} =

Isothermal end force at 100% Cu



p. 16

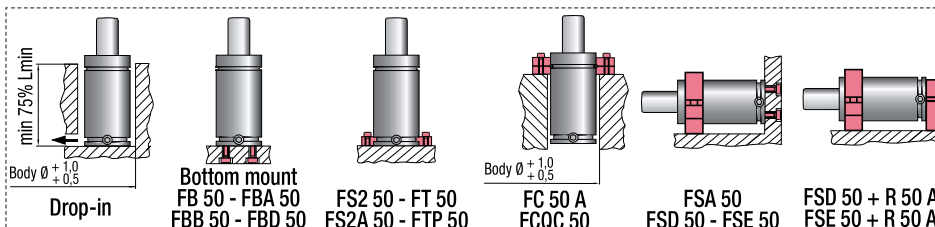
** F_{1p} =

Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 6,15 cm ² 0.953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01000C		
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force *	F _{1p} ** End force **	V ₀	PED 2014/68/EU	
RG 1000 - 010 - A	◆ RG 1000 - 010 - B	10 0.39	72 2.83	62 2.44	920 2068 ± 5%	1281 2881	1493 3357	25,6 1.56	0,67 1.48	✓
RG 1000 - 013 - A	◆ RG 1000 - 013 - B	13 0.51	78 3.07	65 2.56		1331 2992	1570 3531	30,3 1.85	0,70 1.54	✓
RG 1000 - 016 - A	RG 1000 - 016 - B	16 0.63	84 3.31	68 2.68		1370 3079	1631 3667	35,0 2.14	0,72 1.59	✓
RG 1000 - 019 - A	RG 1000 - 019 - B	19 0.75	90 3.54	71 2.80		1401 3149	1680 3778	39,6 2.42	0,75 1.65	✓
RG 1000 - 025 - A	RG 1000 - 025 - B	25 0.98	102 4.02	77 3.03		1447 3253	1755 3945	49,0 2.99	0,79 1.74	✓
RG 1000 - 032 - A	RG 1000 - 032 - B	32 1.26	116 4.57	84 3.31		1485 3339	1816 4083	59,9 3.66	0,85 1.87	✓
RG 1000 - 038 - A	RG 1000 - 038 - B	38 1.50	128 5.04	90 3.54		1509 3392	1855 4170	69,2 4.22	0,90 1.98	✓
RG 1000 - 050 - A	RG 1000 - 050 - B	50 1.97	152 5.98	102 4.02		1543 3468	1910 4294	87,9 5.36	0,99 2.18	✓
RG 1000 - 063 - A	RG 1000 - 063 - B	63 2.48	178 7.01	115 4.53		1567 3522	1950 4384	108,2 6.60	1,10 2.43	✓
RG 1000 - 075 - A	RG 1000 - 075 - B	75 2.95	202 7.95	127 5.00		1583 3558	1976 4442	126,9 7.74	1,19 2.62	✓
RG 1000 - 080 - A	RG 1000 - 080 - B	80 3.15	212 8.35	132 5.20	1588 3570	1985 4462	134,7 8.22	1,23 2.71	✓	
RG 1000 - 100 - A	RG 1000 - 100 - B	100 3.94	252 9.92	152 5.98	1605 3607	2013 4524	165,8 10.12	1,39 3.06	✓	
RG 1000 - 125 - A	RG 1000 - 125 - B	125 4.92	302 11.89	177 6.97	1618 3638	2036 4577	204,8 12.50	1,60 3.53	✓	

◆ Disposable



HOW TO ORDER

p. 95

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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OSAS



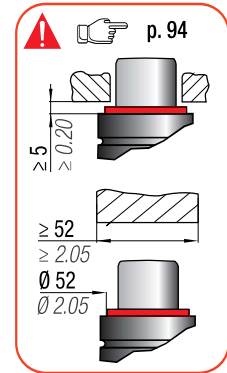
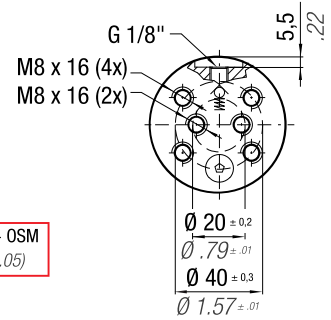
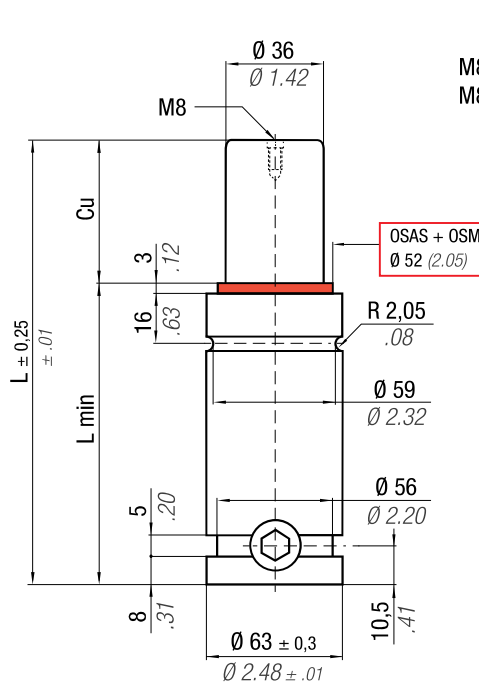
USAS



OPAS

* F_{1i} = Isothermal end force at 100% Cu p. 16

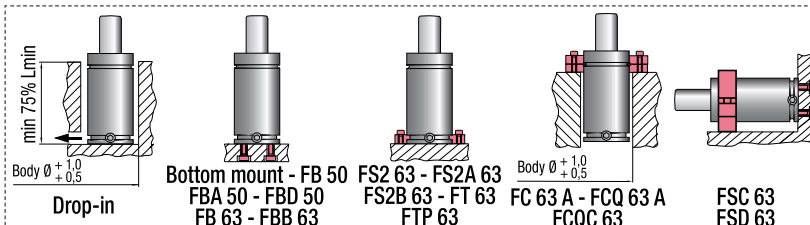
** F_{1p} = Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 10,18 cm ² 1,578 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV01500C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RG 1500 - 010 - A	◆ RG 1500 - 010 - B	10	0.39	72	2.83	62	2.44	1530 ± 5%	3440	2078	4671	2406	5409	45	2.72	1,04	2.29	✓
RG 1500 - 013 - A	◆ RG 1500 - 013 - B	13	0.51	78	3.07	65	2.56			2157	4848	2528	5683	53	3.20	1,08	2.38	✓
RG 1500 - 016 - A	◆ RG 1500 - 016 - B	16	0.63	84	3.31	68	2.68			2218	4987	2624	5900	61	3.69	1,11	2.45	✓
RG 1500 - 019 - A	RG 1500 - 019 - B	19	0.75	90	3.54	71	2.80			2268	5099	2703	6076	68	4.17	1,15	2.54	✓
RG 1500 - 025 - A	RG 1500 - 025 - B	25	0.98	102	4.02	77	3.03			2343	5267	2822	6344	84	5.14	1,22	2.69	✓
RG 1500 - 032 - A	RG 1500 - 032 - B	32	1.26	116	4.57	84	3.31			2405	5406	2921	6566	103	6.27	1,30	2.87	✓
RG 1500 - 038 - A	RG 1500 - 038 - B	38	1.50	128	5.04	90	3.54			2444	5493	2984	6708	119	7.23	1,37	3.02	✓
RG 1500 - 050 - A	RG 1500 - 050 - B	50	1.97	152	5.98	102	4.02			2499	5617	3073	6909	150	9.17	1,51	3.33	✓
RG 1500 - 063 - A	RG 1500 - 063 - B	63	2.48	178	7.01	115	4.53			2538	5707	3139	7056	185	11.26	1,67	3.68	✓
RG 1500 - 075 - A	RG 1500 - 075 - B	75	2.95	202	7.95	127	5.00			2565	5765	3182	7152	216	13.19	1,81	3.99	✓
RG 1500 - 080 - A	RG 1500 - 080 - B	80	3.15	212	8.35	132	5.20	2573	5785	3196	7185	229	13.99	1,87	4.12	✓		
RG 1500 - 100 - A	RG 1500 - 100 - B	100	3.94	252	9.92	152	5.98	2601	5847	3242	7287	282	17.21	2,11	4.65	✓		
RG 1500 - 125 - A	RG 1500 - 125 - B	125	4.92	302	11.89	177	6.97	2624	5899	3280	7373	348	21.24	2,40	5.29	✓		

◆ Disposable

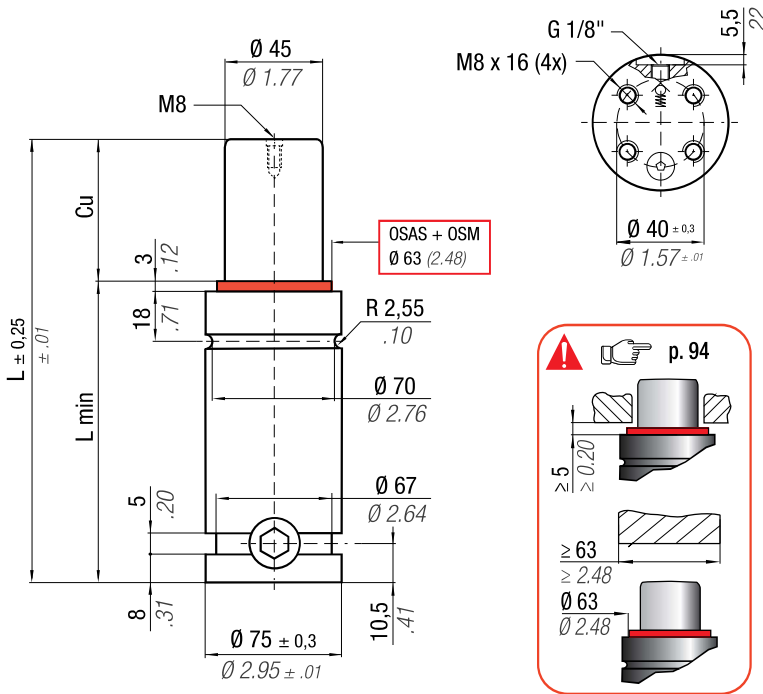


HOW TO ORDER

p. 95

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio
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ACTIVE SAFETY



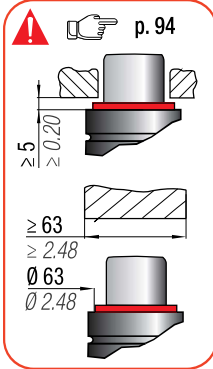
OSAS



USAS



OPAS



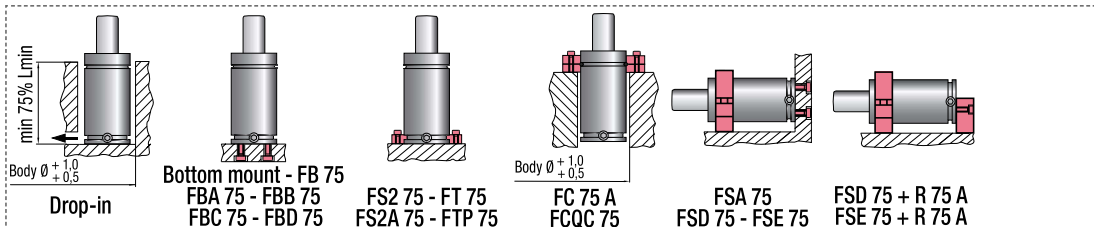
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu

N₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 15,90 cm ² 2.465 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV02400D
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	2014/68/EU	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³				
RG 2400 - 010 - A	◆ RG 2400 - 010 - B	10	0.39	79	3.11	69	2.72	2385 ± 5%	5362	3148	7078	3609	8113	77	4.67	1,65	3.64	✓	
RG 2400 - 013 - A	◆ RG 2400 - 013 - B	13	0.51	85	3.35	72	2.83			3274	7361	3802	8547	89	5.40	1,70	3.75	✓	
RG 2400 - 016 - A	◆ RG 2400 - 016 - B	16	0.63	91	3.58	75	2.95			3376	7590	3960	8903	101	6.13	1,75	3.86	✓	
RG 2400 - 019 - A	◆ RG 2400 - 019 - B	19	0.75	97	3.82	78	3.07			3461	7781	4092	9200	113	6.87	1,79	3.95	✓	
RG 2400 - 025 - A	RG 2400 - 025 - B	25	0.98	109	4.29	84	3.31			3593	8077	4301	9668	137	8.34	1,89	4.17	✓	
RG 2400 - 032 - A	RG 2400 - 032 - B	32	1.26	123	4.84	91	3.58			3705	8329	4479	10070	165	10.04	1,99	4.39	✓	
RG 2400 - 038 - A	RG 2400 - 038 - B	38	1.50	135	5.31	97	3.82			150 bar	3778	8492	4597	10333	189	11.51	2,09	4.61	✓
RG 2400 - 050 - A	RG 2400 - 050 - B	50	1.97	159	6.26	109	4.29			2175 psi	3883	8730	4768	10719	237	14.44	2,28	5.03	✓
RG 2400 - 063 - A	RG 2400 - 063 - B	63	2.48	185	7.28	122	4.80			+ 20 °C + 68 °F	3961	8905	4896	11006	289	17.62	2,49	5.49	✓
RG 2400 - 075 - A	RG 2400 - 075 - B	75	2.95	209	8.23	134	5.28				4014	9023	4982	11199	337	20.55	2,68	5.91	✓
RG 2400 - 080 - A	RG 2400 - 080 - B	80	3.15	219	8.62	139	5.47	4031	9063		5011	11266	357	21.78	2,75	6.06	✓		
RG 2400 - 100 - A	RG 2400 - 100 - B	100	3.94	259	10.20	159	6.26	4088	9189		5104	11474	437	26.67	3,07	6.77	✓		
RG 2400 - 125 - A	RG 2400 - 125 - B	125	4.92	309	12.17	184	7.24	4134	9293	5180	11646	537	32.79	3,46	7.63	✓			

◆ Disposable



HOW TO ORDER

p. 95

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

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O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



USAS

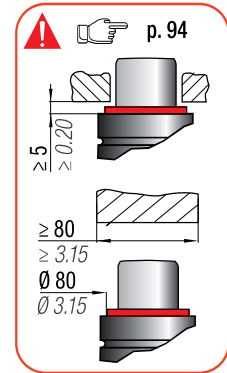
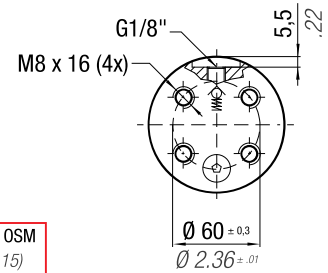
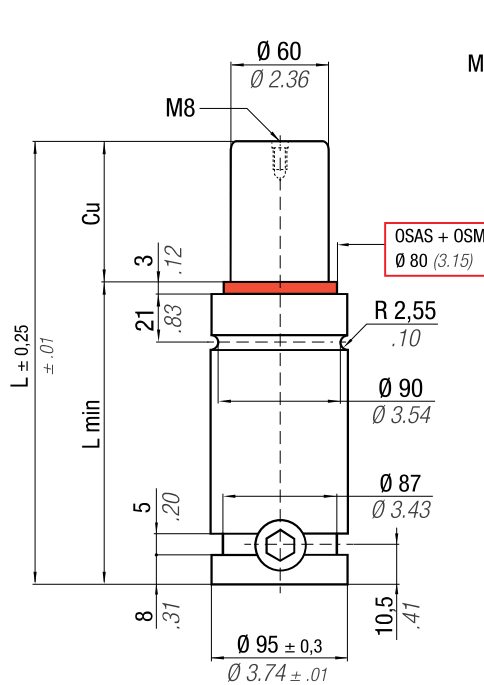


OPAS

easu MANIFOLD p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16

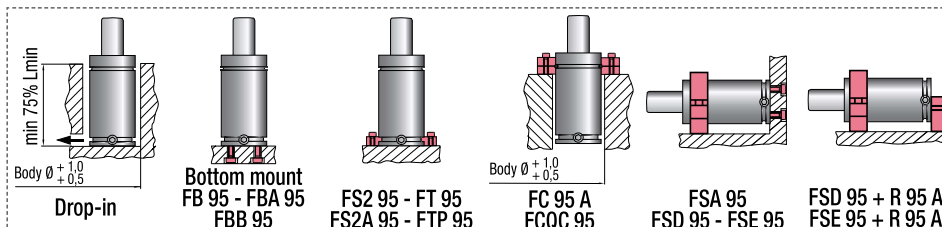
** F_{1p} = Polytropic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 28,27 cm ² 4.382 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV04200C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	2014/68/EU	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³				
RG 4200 - 016 - A	◆ RG 4200 - 016 - B	16	0.63	94	3.70	78	3.07	4240 ± 5%	9532	6103	13720	7197	16179	172	10.48	2,98	6.57	✓	
RG 4200 - 019 - A	◆ RG 4200 - 019 - B	19	0.75	100	3.94	81	3.19			6269	14093	7458	16767	192	11.71	3,05	6.72	✓	
RG 4200 - 025 - A	RG 4200 - 025 - B	25	0.98	112	4.41	87	3.43			6531	14682	7874	17702	232	14.18	3,20	7.05	✓	
RG 4200 - 032 - A	RG 4200 - 032 - B	32	1.26	126	4.96	94	3.70			6755	15186	8236	18515	280	17.06	3,38	7.45	✓	
RG 4200 - 038 - A	RG 4200 - 038 - B	38	1.50	138	5.43	100	3.94			6902	15517	8475	19052	320	19.52	3,52	7.76	✓	
RG 4200 - 050 - A	RG 4200 - 050 - B	50	1.97	162	6.38	112	4.41			150 bar	7117	16001	8827	19844	401	24.45	3,82	8.42	✓
RG 4200 - 063 - A	RG 4200 - 063 - B	63	2.48	188	7.40	125	4.92			2175 psi	7278	16361	9092	20440	488	29.80	4,15	9.15	✓
RG 4200 - 075 - A	RG 4200 - 075 - B	75	2.95	212	8.35	137	5.39			+ 20 °C +68 °F	7386	16604	9272	20843	569	34.73	4,45	9.81	✓
RG 4200 - 080 - A	RG 4200 - 080 - B	80	3.15	222	8.74	142	5.59			7423	16687	9333	20982	603	36.79	4,57	10.08	✓	
RG 4200 - 100 - A	RG 4200 - 100 - B	100	3.94	262	10.31	162	6.38			7539	16949	9529	21421	738	45.01	5,07	11.18	✓	
RG 4200 - 125 - A	RG 4200 - 125 - B	125	4.92	312	12.28	187	7.36	7639	17173	9696	21798	906	55.29	5,69	12.54	✓			

◆ Disposable

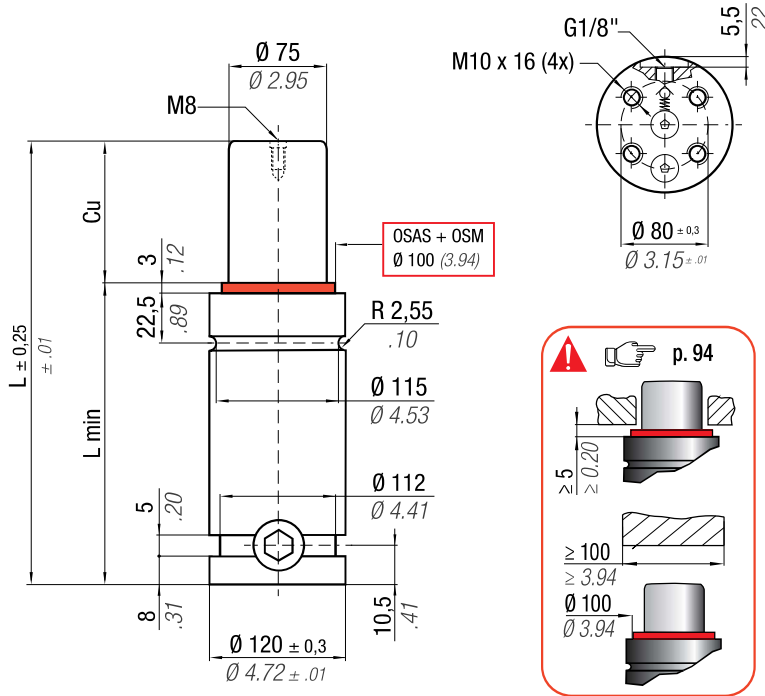


HOW TO ORDER

p. 95

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio
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ACTIVE SAFETY



OSAS



USAS



OPAS

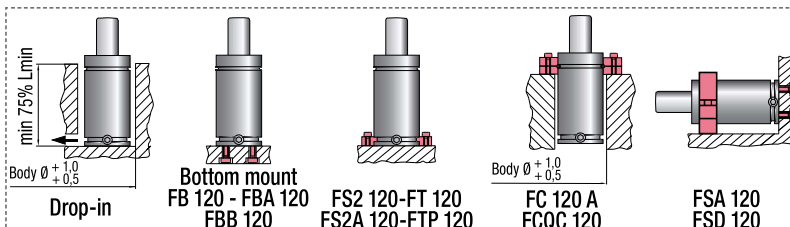
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu

	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 44,18 cm ² 6.848 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV06600C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F0 Initial force		F1i * End force		F1p ** End force		Vo		PED 2014/68/EU			
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³		~Kg	~lb	
RG 6600 - 016 - A	◆ RG 6600 - 016 - B	16	0.63	104	4.09	88	3.46	6630 ± 5%	14904	9056	20359	10500	23606	306	18.69	5,40	11.90	✓	
RG 6600 - 019 - A	◆ RG 6600 - 019 - B	19	0.75	110	4.33	91	3.58			9306	20920	10887	24474	338	20.64	5,52	12.17	✓	
RG 6600 - 025 - A	RG 6600 - 025 - B	25	0.98	122	4.80	97	3.82			9712	21832	11521	25901	402	24.54	5,76	12.70	✓	
RG 6600 - 032 - A	RG 6600 - 032 - B	32	1.26	136	5.35	104	4.09			10073	22644	12093	27187	477	29.08	6,04	13.32	✓	
RG 6600 - 038 - A	RG 6600 - 038 - B	38	1.50	148	5.83	110	4.33			10316	23192	12483	28063	541	32.98	6,28	13.85	✓	
RG 6600 - 050 - A	RG 6600 - 050 - B	50	1.97	172	6.77	122	4.80			150 bar	10683	24016	13075	29394	668	40.78	6,76	14.90	✓
RG 6600 - 063 - A	RG 6600 - 063 - B	63	2.48	198	7.80	135	5.31			2175 psi	10964	24648	13534	30427	807	49.23	7,28	16.05	✓
RG 6600 - 075 - A	RG 6600 - 075 - B	75	2.95	222	8.74	147	5.79			+ 20 °C +68 °F	11157	25083	13852	31141	935	57.03	7,75	17.09	✓
RG 6600 - 080 - A	RG 6600 - 080 - B	80	3.15	232	9.13	152	5.98				11225	25234	13963	31390	988	60.28	7,95	17.53	✓
RG 6600 - 100 - A	RG 6600 - 100 - B	100	3.94	272	10.71	172	6.77				11439	25715	14318	32188	1201	73.28	8,75	19.29	✓
RG 6600 - 125 - A	RG 6600 - 125 - B	125	4.92	322	12.68	197	7.76	11625	26133	14628	32885	1467	89.53	9,75	21.50	✓			

◆ Disposable



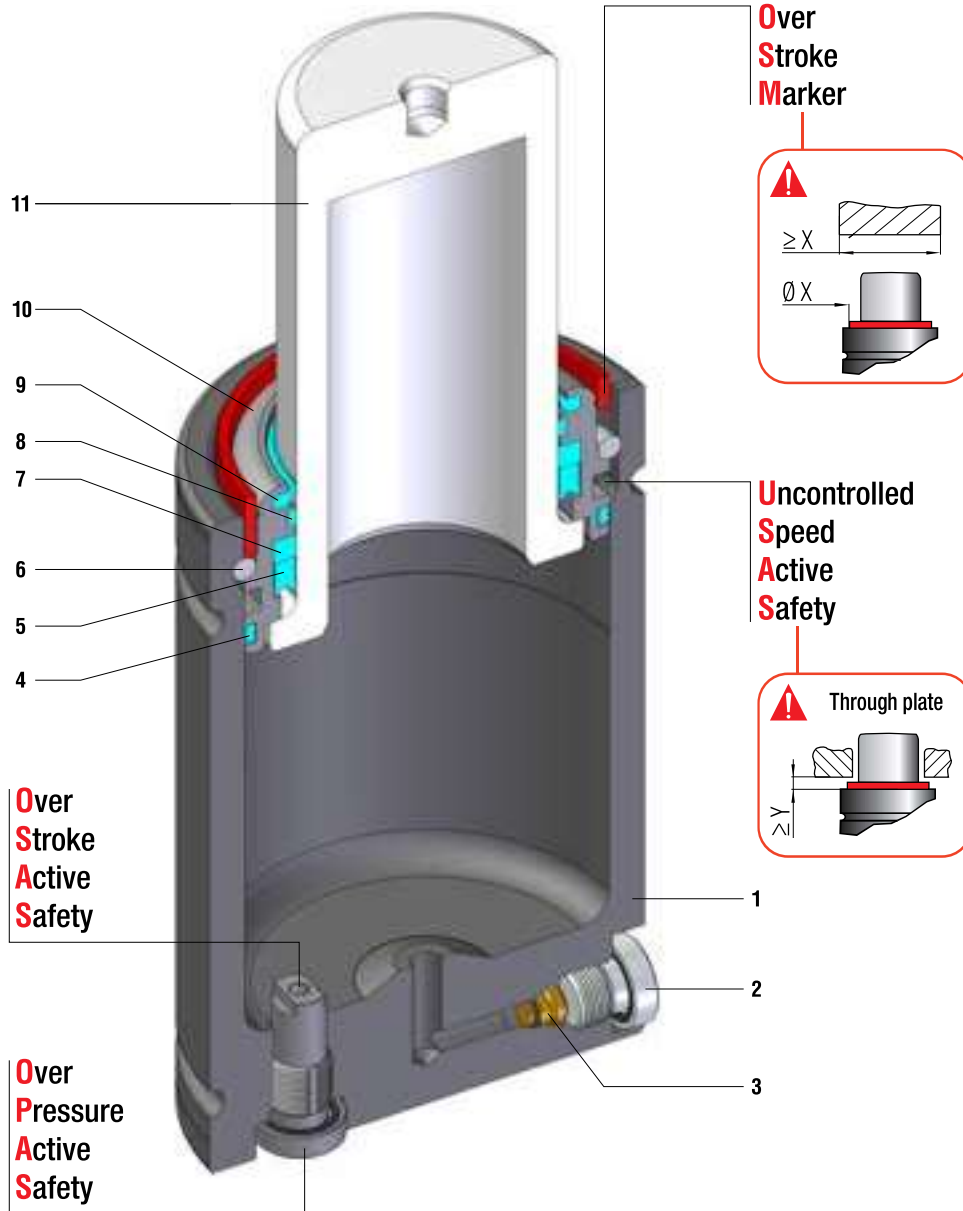
HOW TO ORDER

p. 95

INSTALLATION GUIDELINE

p. 205

Mazda	Nissan	PSA
Renault	Toyota	








Minima altezza, massima forza, collegabili G1/8 - Minimum height, maximum force, hose cylinders with G1/8 charging port
 Minimale Höhe, maximale Kraft, Gdf. mit G1/8 Öffnung verbindbar - Hauteur minimale, force maximale, cylindres raccordés avec trou G1/8 gaz
 Mínima altura, máxima fuerza, cilindros conectados con agujero G1/8 gas - Altura mínima, força máxima, cilindros conectados com furo G1/8 gás

SEALING	ROD SEAL
DESIGN	BUSH - BODY DESIGN

1	Body	5	Rod seal	9	Rod wiper
2	Plug	6	Retaining ring	10	Bush
3	Valve	7	Back-up ring	11	Rod (nitrited superfinished)
4	Dual ring seal	8	Guide ring		

RANGE CHART

Model	Body Ø		Stroke Cu		Initial force F0						
	mm	inch	mm	inch	daN	lb	OSAS	USAS	OPAS	SKUDO	SW
RT 350	32	1.26	10 - 125	0.39 - 4.92	360	809	✓	✓	✓	-	✓
RT 500	38	1.50	10 - 125	0.39 - 4.92	470	1057	✓	✓	✓	-	✓
RT 750	45	1.77	10 - 125	0.39 - 4.92	740	1664	✓	✓	✓	-	✓
RT 1000	50	1.97	10 - 125	0.39 - 4.92	920	2068	✓	✓	✓	-	✓
RT 1200	50	1.97	10 - 125	0.39 - 4.92	1060	2383	✓	✓	✓	-	✓
RT 1500	63	2.48	10 - 125	0.39 - 4.92	1530	3440	✓	✓	✓	-	✓
RT 2400	75	2.95	10 - 125	0.39 - 4.92	2385	5362	✓	✓	✓	-	✓
RT 4200	95	3.74	16 - 125	0.63 - 4.92	4240	9532	✓	✓	✓	-	✓
RT 6600	120	4.72	16 - 125	0.63 - 4.92	6630	14905	✓	✓	✓	-	✓
RT 9500	150	5.91	19 - 125	0.75 - 4.92	9540	21447	✓	✓	✓	-	✓

✓ Built-in as standard

✓ Optional upon request

HOW TO ORDER



Available versions



RT 2400-050-B
Standard code



Self contained



RT 2400-050-B-W
Add "-W" to standard code



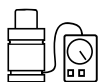
Self contained



+ Secondary wiper



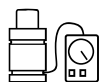
RT 2400-050-B-N
Add "-N" to standard code



Linkable



RT 2400-050-B-N-W
Add "-N-W" to standard code



Linkable



+ Secondary wiper



RT 2400-050-B-E
Add "-E" to standard code



Easy Manifold



RT 2400-050-B-E-W
Add "-E-W" to standard code



Easy Manifold



+ Secondary wiper



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ACTIVE SAFETY

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OSAS

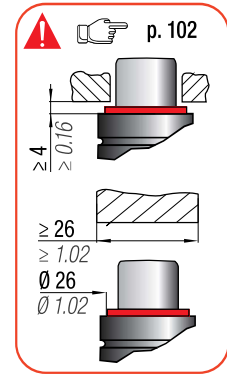
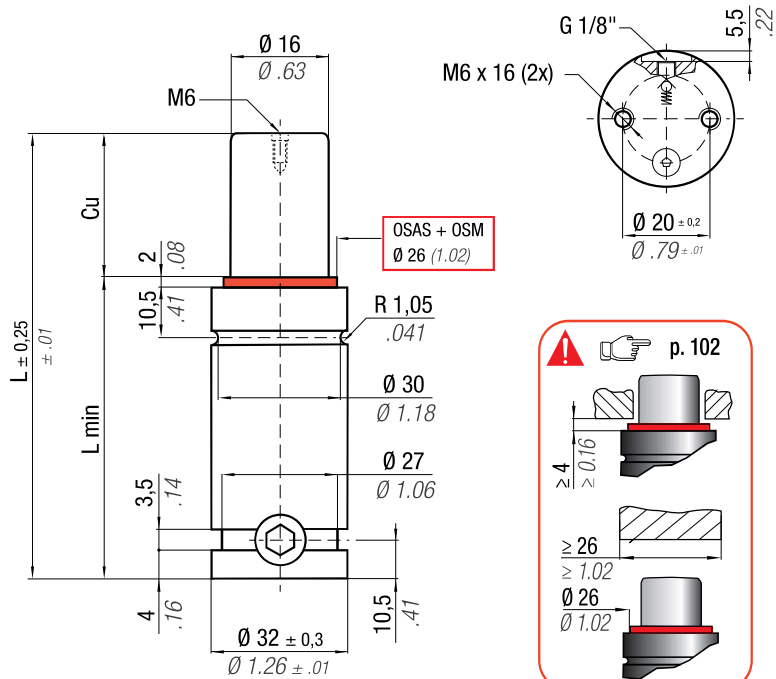


USAS



OPAS

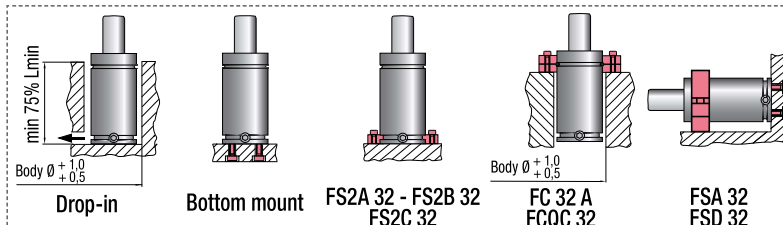
* F_{1i} = Isothermal end force at 100% Cu p. 16 ** F_{1p} = Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 180 bar 2610 psi	P min 20 bar 290 psi	S 2,01 cm ² 0,312 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00350C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 350 - 010 - A	◆ RT 350 - 010 - B	10	0.39	60	2.36	50	1.97	360 809 ± 5%	180 bar 2610psi	531	1194	607	1366	7,7	0,47	0,22	0,48	✓
RT 350 - 013 - A	◆ RT 350 - 013 - B	13	0.51	66	2.60	53	2.09			544	1224	627	1409	9,5	0,58	0,23	0,50	✓
RT 350 - 016 - A	RT 350 - 016 - B	16	0.63	72	2.83	56	2.20			554	1245	641	1440	11,2	0,68	0,24	0,52	✓
RT 350 - 019 - A	RT 350 - 019 - B	19	0.75	78	3.07	59	2.32			561	1261	651	1463	13,0	0,79	0,25	0,54	✓
RT 350 - 025 - A	RT 350 - 025 - B	25	0.98	90	3.54	65	2.56			571	1283	665	1496	16,6	1,01	0,27	0,60	✓
RT 350 - 032 - A	RT 350 - 032 - B	32	1.26	104	4.09	72	2.83			578	1300	676	1520	20,7	1,26	0,29	0,64	✓
RT 350 - 038 - A	RT 350 - 038 - B	38	1.50	116	4.57	78	3.07			583	1310	683	1535	24,3	1,48	0,31	0,68	✓
RT 350 - 050 - A	RT 350 - 050 - B	50	1.97	140	5.51	90	3.54			589	1323	691	1554	31,4	1,92	0,35	0,77	✓
RT 350 - 063 - A	RT 350 - 063 - B	63	2.48	166	6.54	103	4.06			593	1333	697	1568	39,1	2,39	0,39	0,86	✓
RT 350 - 075 - A	RT 350 - 075 - B	75	2.95	190	7.48	115	4.53			595	1338	701	1576	46,3	2,83	0,43	0,95	✓
RT 350 - 080 - A	RT 350 - 080 - B	80	3.15	200	7.87	120	4.72	596	1340	702	1579	49,2	3,00	0,45	0,99	✓		
RT 350 - 100 - A	RT 350 - 100 - B	100	3.94	240	9.45	140	5.51	599	1346	706	1588	61,1	3,73	0,51	1,12	✓		
RT 350 - 125 - A	RT 350 - 125 - B	125	4.92	290	11.42	165	6.50	606	1363	717	1613	74,9	4,57	0,59	1,30	✓		

◆ Disposable

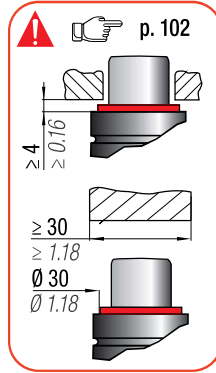
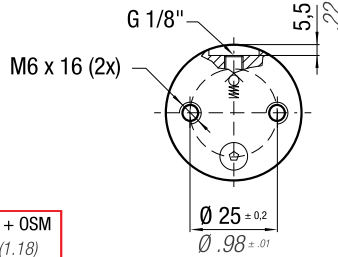
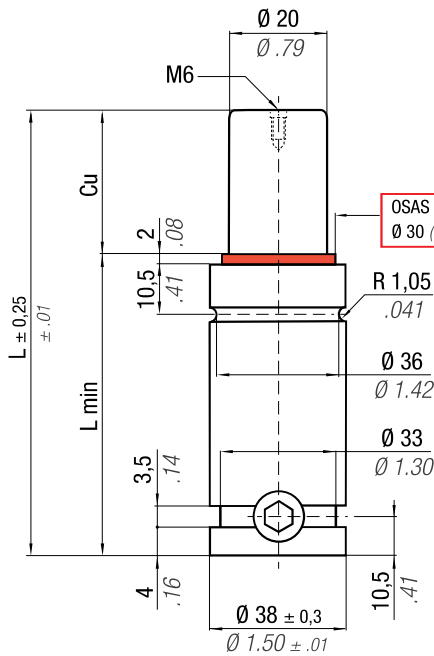


HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock

* F_{1i} =

Isothermal end force at 100% Cu

** F_{1p} =

Polytrophic end force at 100% Cu



ACTIVE SAFETY



OSAS



USAS

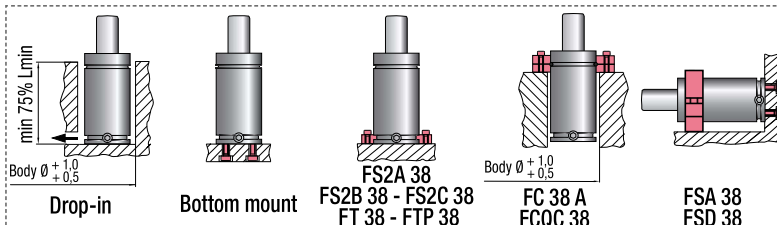


OPAS

	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 3,14 cm ² 0.487 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00500C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F0 Initial force		F1i * End force *		F1p ** End force **		Vo		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 500 - 010 - A	♦ RT 500 - 010 - B	10	0.39	60	2.36	50	1.97	470 ± 5%	1057	696	1565	828	1862	11,2	0.68	0,32	0.71	✓
RT 500 - 013 - A	♦ RT 500 - 013 - B	13	0.51	66	2.60	53	2.09			716	1609	859	1931	13,8	0.84	0,34	0.75	✓
RT 500 - 016 - A	RT 500 - 016 - B	16	0.63	72	2.83	56	2.20			730	1641	882	1982	16,3	0.99	0,36	0.79	✓
RT 500 - 019 - A	RT 500 - 019 - B	19	0.75	78	3.07	59	2.32			740	1664	899	2020	18,9	1.15	0,37	0.82	✓
RT 500 - 025 - A	RT 500 - 025 - B	25	0.98	90	3.54	65	2.56			755	1698	922	2074	24,0	1.46	0,40	0.88	✓
RT 500 - 032 - A	RT 500 - 032 - B	32	1.26	104	4.09	72	2.83			766	1723	941	2115	30,0	1.83	0,43	0.95	✓
RT 500 - 038 - A	RT 500 - 038 - B	38	1.50	116	4.57	78	3.07			773	1738	952	2140	35,1	2.14	0,46	1.01	✓
RT 500 - 050 - A	RT 500 - 050 - B	50	1.97	140	5.51	90	3.54			782	1759	967	2173	45,3	2.76	0,52	1.15	✓
RT 500 - 063 - A	RT 500 - 063 - B	63	2.48	166	6.54	103	4.06			789	1773	977	2196	56,4	3.44	0,58	1.28	✓
RT 500 - 075 - A	RT 500 - 075 - B	75	2.95	190	7.48	115	4.53			792	1782	984	2211	66,6	4.06	0,63	1.39	✓
RT 500 - 080 - A	RT 500 - 080 - B	80	3.15	200	7.87	120	4.72	794	1785	986	2216	70,8	4.32	0,66	1.46	✓		
RT 500 - 100 - A	RT 500 - 100 - B	100	3.94	240	9.45	140	5.51	798	1794	992	2231	87,9	5.36	0,75	1.65	✓		
RT 500 - 125 - A	RT 500 - 125 - B	125	4.92	290	11.42	165	6.50	801	1801	998	2243	109,2	6.66	0,87	1.92	✓		

♦ Disposable



HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écolé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



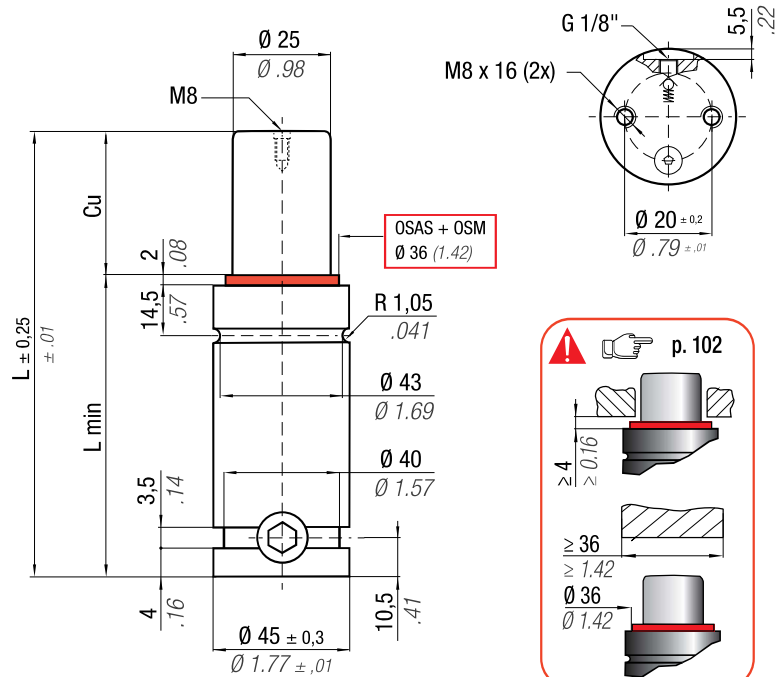
USAS



OPAS

* F_{1i} = Isothermal end force at 100% Cu p. 16

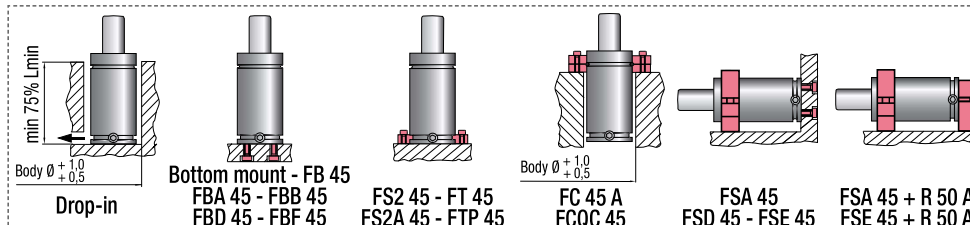
** F_{1p} = Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 4,91 cm ² 0,761 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV00750C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 750 - 010 - A	◆ RT 750 - 010 - B	10	0.39	67	2.64	57	2.24	740 ± 5%	1664	1026	2307	1198	2693	20,2	1.23	0,50	1.10	✓
RT 750 - 013 - A	◆ RT 750 - 013 - B	13	0.51	73	2.87	60	2.36			1065	2394	1258	2828	23,9	1.46	0,52	1.15	✓
RT 750 - 016 - A	RT 750 - 016 - B	16	0.63	79	3.11	63	2.48			1095	2461	1305	2933	27,7	1.69	0,54	1.19	✓
RT 750 - 019 - A	RT 750 - 019 - B	19	0.75	85	3.35	66	2.60			1118	2514	1342	3017	31,5	1.92	0,56	1.23	✓
RT 750 - 025 - A	RT 750 - 025 - B	25	0.98	97	3.82	72	2.83			1153	2593	1398	3143	39,1	2.39	0,60	1.32	✓
RT 750 - 032 - A	RT 750 - 032 - B	32	1.26	111	4.37	79	3.11			1182	2656	1444	3246	47,9	2.92	0,64	1.41	✓
RT 750 - 038 - A	RT 750 - 038 - B	38	1.50	123	4.84	85	3.35			1199	2696	1473	3311	55,5	3.39	0,68	1.50	✓
RT 750 - 050 - A	RT 750 - 050 - B	50	1.97	147	5.79	97	3.82			1224	2752	1514	3403	70,6	4.31	0,76	1.68	✓
RT 750 - 063 - A	RT 750 - 063 - B	63	2.48	173	6.81	110	4.33			1242	2792	1543	3468	87,0	5.31	0,84	1.85	✓
RT 750 - 075 - A	RT 750 - 075 - B	75	2.95	197	7.76	122	4.80			1253	2818	1562	3511	102,1	6.23	0,92	2.03	✓
RT 750 - 080 - A	RT 750 - 080 - B	80	3.15	207	8.15	127	5.00	1257	2827	1568	3526	108,4	6.61	0,95	2.09	✓		
RT 750 - 100 - A	RT 750 - 100 - B	100	3.94	247	9.72	147	5.79	1269	2854	1588	3571	133,7	8.16	1,08	2.38	✓		
RT 750 - 125 - A	RT 750 - 125 - B	125	4.92	297	11.69	172	6.77	1280	2877	1605	3609	165,2	10.08	1,24	2.73	✓		

◆ Disposable

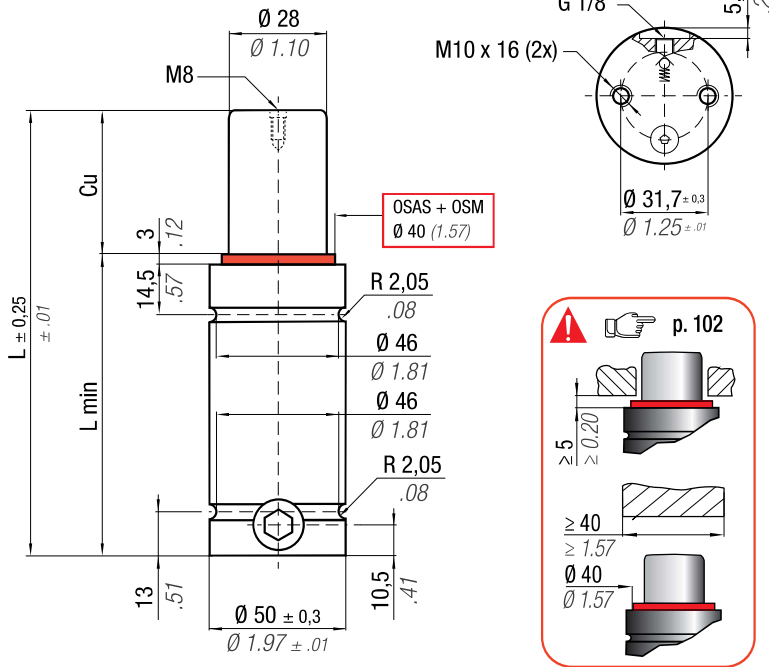


HOW TO ORDER

p. 101

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



* F_{1i} =

Isothermal end force at 100% Cu



p. 16



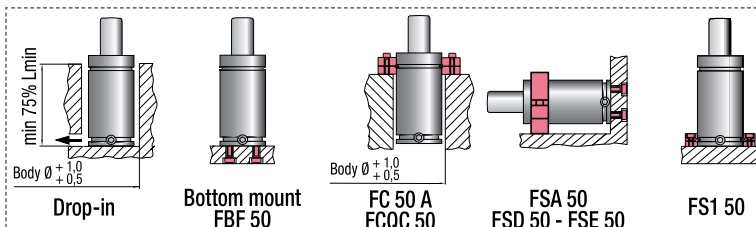
** F_{1p} =

Polytrophic end force at 100% Cu

	$0 - 80^{\circ}\text{C}$ $32 - 176^{\circ}\text{F}$	ΔP $\pm 0,33\% / ^{\circ}\text{C}$	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 6,15 cm ² 0.953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F0		F _{1i} *		F _{1p} **		V0		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 1000 - 010 - A	◆ RT 1000 - 010 - B	10	0.39	72	2.83	62	2.44	920 ± 5%	2068	1282	2883	1495	3329	25,5	1,56	0,68	1,50	✓
RT 1000 - 013 - A	◆ RT 1000 - 013 - B	13	0.51	78	3.07	65	2.56			1332	2995	1572	3500	30,2	1,84	0,70	1,54	✓
RT 1000 - 016 - A	RT 1000 - 016 - B	16	0.63	84	3.31	68	2.68			1371	3082	1633	3635	34,9	2,13	0,73	1,61	✓
RT 1000 - 019 - A	RT 1000 - 019 - B	19	0.75	90	3.54	71	2.80			1402	3151	1682	3745	39,6	2,42	0,75	1,65	✓
RT 1000 - 025 - A	RT 1000 - 025 - B	25	0.98	102	4.02	77	3.03			1448	3255	1756	3909	48,9	2,98	0,80	1,76	✓
RT 1000 - 032 - A	RT 1000 - 032 - B	32	1.26	116	4.57	84	3.31			1486	3340	1817	4047	59,8	3,65	0,86	1,90	✓
RT 1000 - 038 - A	RT 1000 - 038 - B	38	1.50	128	5.04	90	3.54			1510	3394	1856	4132	69,2	4,22	0,90	1,98	✓
RT 1000 - 050 - A	RT 1000 - 050 - B	50	1.97	152	5.98	102	4.02			1543	3469	1911	4256	87,9	5,36	1,00	2,20	✓
RT 1000 - 063 - A	RT 1000 - 063 - B	63	2.48	178	7.01	115	4.53			1567	3523	1951	4346	108,1	6,60	1,10	2,43	✓
RT 1000 - 075 - A	RT 1000 - 075 - B	75	2.95	202	7.95	127	5.00			1583	3559	1977	4404	126,8	7,74	1,20	2,65	✓
RT 1000 - 080 - A	RT 1000 - 080 - B	80	3.15	212	8.35	132	5.20	1588	3571	1986	4424	134,6	8,21	1,24	2,73	✓		
RT 1000 - 100 - A	RT 1000 - 100 - B	100	3.94	252	9.92	152	5.98	1605	3608	2013	4485	165,8	10,12	1,40	3,09	✓		
RT 1000 - 125 - A	RT 1000 - 125 - B	125	4.92	302	11.89	177	6.97	1619	3639	2036	4537	204,7	12,49	1,60	3,53	✓		

◆ Disposable



HOW TO ORDER

p. 101

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

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El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

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OSAS



USAS



OPAS

* F_{1i} =

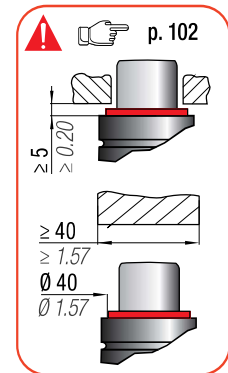
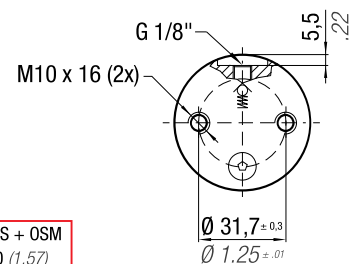
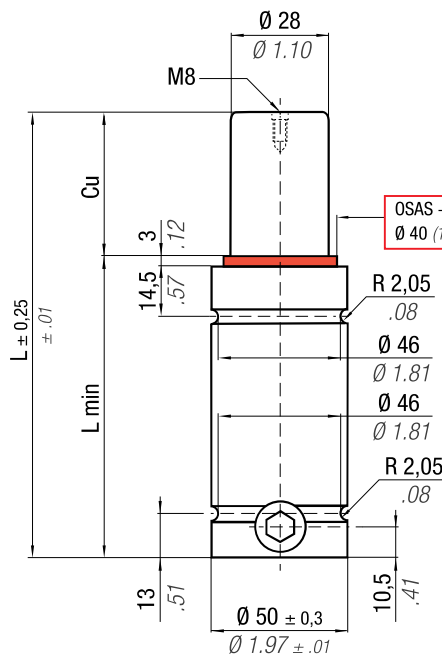
Isothermal end force at 100% Cu



p. 16

** F_{1p} =

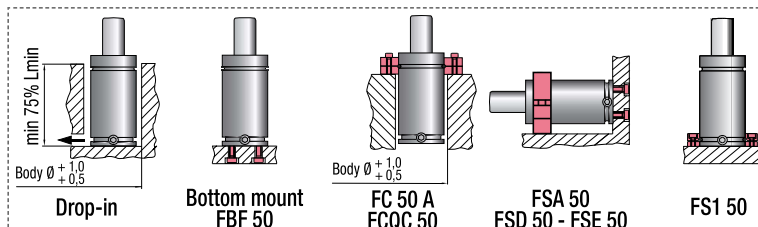
Polytropic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 170 bar 2465 psi	P min 20 bar 290 psi	S 6,15 cm ² 0,953 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV01000C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 1200 - 010 - A	♦ RT 1200 - 010 - B	10	0.39	72	2.83	62	2.44	1046 ± 5%	2352	1473	3311	1685	3754	25,5	1,56	0,68	1,50	✓
RT 1200 - 013 - A	♦ RT 1200 - 013 - B	13	0.51	78	3.07	65	2.56			1532	3444	1772	3946	30,2	1,84	0,70	1,54	✓
RT 1200 - 016 - A	RT 1200 - 016 - B	16	0.63	84	3.31	68	2.68			1578	3548	1841	4098	34,9	2,13	0,73	1,61	✓
RT 1200 - 019 - A	RT 1200 - 019 - B	19	0.75	90	3.54	71	2.80			1615	3632	1896	4221	39,6	2,42	0,75	1,65	✓
RT 1200 - 025 - A	RT 1200 - 025 - B	25	0.98	102	4.02	77	3.03			1671	3757	1980	4408	48,9	2,98	0,80	1,76	✓
RT 1200 - 032 - A	RT 1200 - 032 - B	32	1.26	116	4.57	84	3.31			1717	3859	2049	4562	59,8	3,65	0,86	1,90	✓
RT 1200 - 038 - A	RT 1200 - 038 - B	38	1.50	128	5.04	90	3.54			1745	3923	2093	4660	69,2	4,22	0,90	1,98	✓
RT 1200 - 050 - A	RT 1200 - 050 - B	50	1.97	152	5.98	102	4.02			1786	4014	2155	4798	87,9	5,36	1,00	2,20	✓
RT 1200 - 063 - A	RT 1200 - 063 - B	63	2.48	178	7.01	115	4.53			1814	4079	2199	4899	108,1	6,60	1,10	2,43	✓
RT 1200 - 075 - A	RT 1200 - 075 - B	75	2.95	202	7.95	127	5.00			1833	4122	2229	4965	126,8	7,74	1,20	2,65	✓
RT 1200 - 080 - A	RT 1200 - 080 - B	80	3.15	212	8.35	132	5.20	1840	4136	2239	4987	134,6	8,21	1,24	2,73	✓		
RT 1200 - 100 - A	RT 1200 - 100 - B	100	3.94	252	9.92	152	5.98	1860	4181	2270	5057	165,8	10,12	1,40	3,09	✓		
RT 1200 - 125 - A	RT 1200 - 125 - B	125	4.92	302	11.89	177	6.97	1877	4219	2296	5115	204,7	12,49	1,60	3,53	✓		

♦ Disposable

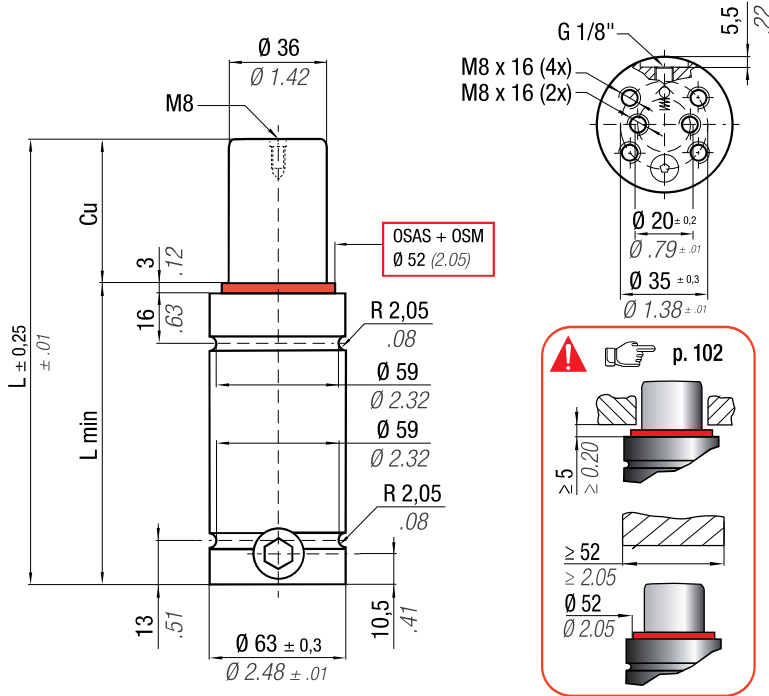


HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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ACTIVE SAFETY



* F_{1i} =

Isothermal end force at 100% Cu



p. 16

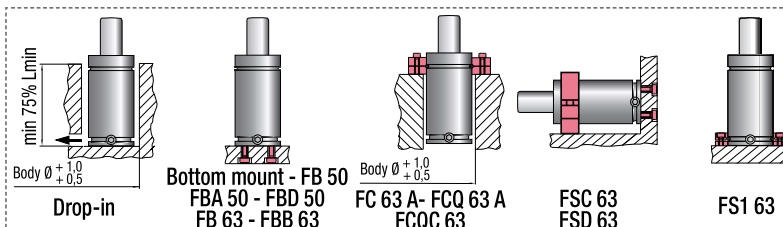
** F_{1p} =

Polytrophic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 10,18 cm ² 1.578 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV01500C			
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force *	F _{1p} ** End force **	V ₀	PED 2014/68/EU		
RT 1500 - 010 - A	♦ RT 1500 - 010 - B	10 0.39	72 2.83	62 2.44	1530 3440 ± 5%	2078 4671	2406 5409	45 2.72	1,05 2.31	✓	
RT 1500 - 013 - A	♦ RT 1500 - 013 - B	13 0.51	78 3.07	65 2.56		2157 4848	2528 5683	53 3.20	1,09 2.40	✓	
RT 1500 - 016 - A	♦ RT 1500 - 016 - B	16 0.63	84 3.31	68 2.68		2218 4987	2624 5900	61 3.69	1,13 2.49	✓	
RT 1500 - 019 - A	RT 1500 - 019 - B	19 0.75	90 3.54	71 2.80		2267 5097	2701 6073	68 4.17	1,16 2.56	✓	
RT 1500 - 025 - A	RT 1500 - 025 - B	25 0.98	102 4.02	77 3.03		2343 5267	2822 6344	84 5.14	1,23 2.71	✓	
RT 1500 - 032 - A	RT 1500 - 032 - B	32 1.26	116 4.57	84 3.31		2405 5406	2921 6566	103 6.27	1,31 2.89	✓	
RT 1500 - 038 - A	RT 1500 - 038 - B	38 1.50	128 5.04	90 3.54		150 bar 2175 psi	2444 5493	2984 6708	119 7.23	1,38 3.04	✓
RT 1500 - 050 - A	RT 1500 - 050 - B	50 1.97	152 5.98	102 4.02		+ 20 °C +68 °F	2499 5617	3073 6909	150 9.17	1,53 3.37	✓
RT 1500 - 063 - A	RT 1500 - 063 - B	63 2.48	178 7.01	115 4.53			2538 5707	3139 7056	185 11.26	1,69 3.73	✓
RT 1500 - 075 - A	RT 1500 - 075 - B	75 2.95	202 7.95	127 5.00			2565 5765	3182 7152	216 13.19	1,83 4.03	✓
RT 1500 - 080 - A	RT 1500 - 080 - B	80 3.15	212 8.35	132 5.20	2573 5785		3196 7185	229 13.99	1,89 4.17	✓	
RT 1500 - 100 - A	RT 1500 - 100 - B	100 3.94	252 9.92	152 5.98	2601 5847		3242 7287	282 17.21	2,12 4.67	✓	
RT 1500 - 125 - A	RT 1500 - 125 - B	125 4.92	302 11.89	177 6.97	2624 5899	3280 7373	348 21.24	2,41 5.31	✓		

♦ Disposable



HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

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OSAS



USAS

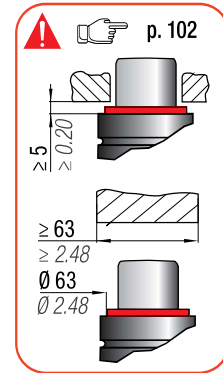
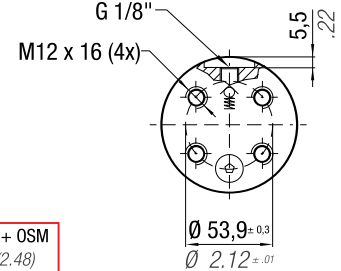
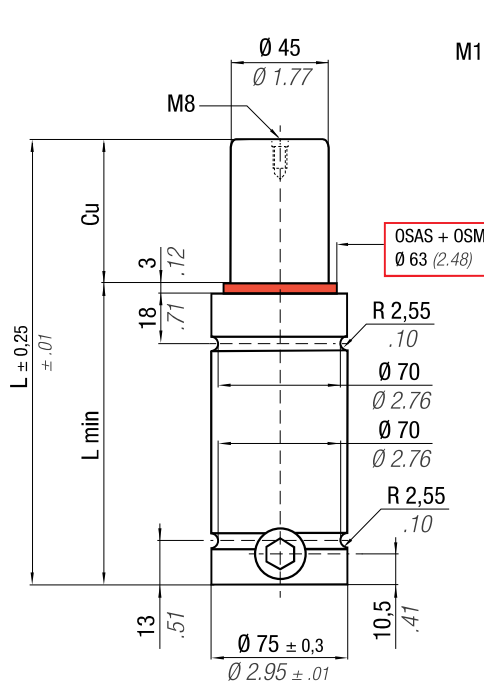


OPAS

easu MANIFOLD p. 247

* F_{1i} =
Isothermal end force at 100% Cu p. 16

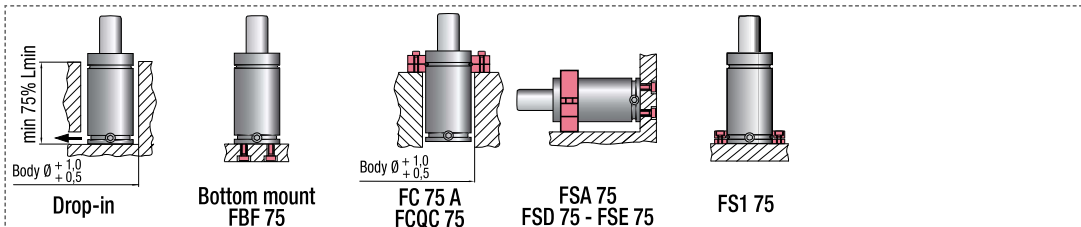
** F_{1p} =
Polytropic end force at 100% Cu



N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 15,90 cm ² 2,465 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV02400D
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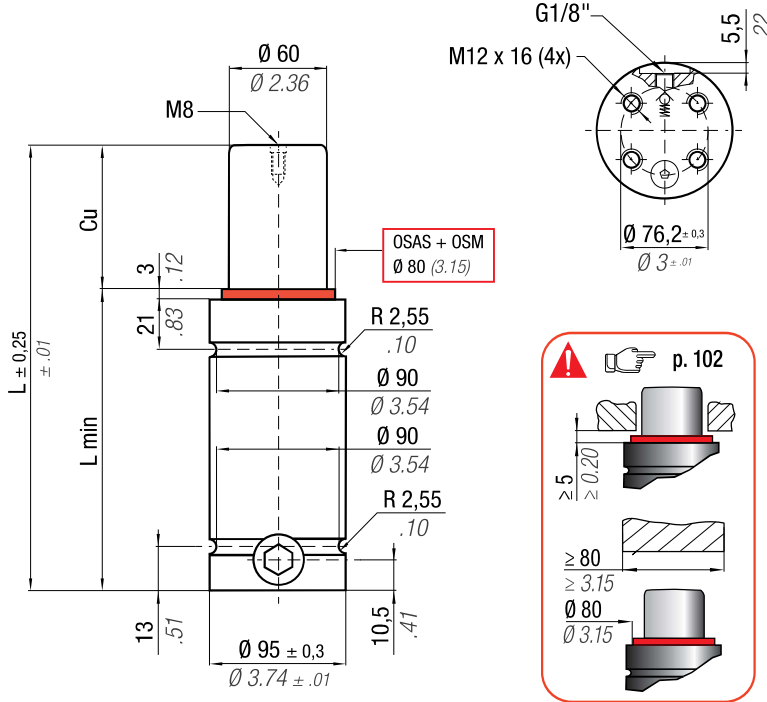
CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	PED 2014/68/EU
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 2400 - 010 - A	♦ RT 2400 - 010 - B	10	0.39	79	3.11	69	2.72	2385 ± 5%	5362	3146	7073	3606	8106	77	4.67	1,44	3.17	✓
RT 2400 - 013 - A	♦ RT 2400 - 013 - B	13	0.51	85	3.35	72	2.83			3272	7356	3799	8539	89	5.41	1,64	3.62	✓
RT 2400 - 016 - A	♦ RT 2400 - 016 - B	16	0.63	91	3.58	75	2.95			3374	7586	3957	8895	101	6.15	1,74	3.84	✓
RT 2400 - 019 - A	♦ RT 2400 - 019 - B	19	0.75	97	3.82	78	3.07			3459	7776	4089	9193	113	6.88	1,78	3.92	✓
RT 2400 - 025 - A	RT 2400 - 025 - B	25	0.98	109	4.29	84	3.31			3591	8073	4297	9661	137	8.34	1,88	4.14	✓
RT 2400 - 032 - A	RT 2400 - 032 - B	32	1.26	123	4.84	91	3.58			3703	8325	4476	10063	165	10.06	1,99	4.39	✓
RT 2400 - 038 - A	RT 2400 - 038 - B	38	1.50	135	5.31	97	3.82			3776	8488	4594	10327	189	11.52	2,08	4.59	✓
RT 2400 - 050 - A	RT 2400 - 050 - B	50	1.97	159	6.26	109	4.29			3882	8726	4766	10713	237	14.46	2,27	5.00	✓
RT 2400 - 063 - A	RT 2400 - 063 - B	63	2.48	185	7.28	122	4.80			3960	8902	4894	11001	289	17.63	2,48	5.47	✓
RT 2400 - 075 - A	RT 2400 - 075 - B	75	2.95	209	8.23	134	5.28			4012	9020	4980	11195	337	20.57	2,67	5.89	✓
RT 2400 - 080 - A	RT 2400 - 080 - B	80	3.15	219	8.62	139	5.47	4030	9060	5009	11261	357	21.79	2,74	6.04	✓		
RT 2400 - 100 - A	RT 2400 - 100 - B	100	3.94	259	10.20	159	6.26	4087	9187	5102	11471	437	26.67	3,06	6.75	✓		
RT 2400 - 125 - A	RT 2400 - 125 - B	125	4.92	309	12.17	184	7.24	4134	9295	5182	11649	537	32.79	3,45	7.61	✓		

♦ Disposable



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INSTALLATION GUIDELINE p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écoulé

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock

ACTIVE SAFETY



OSAS



USAS



OPAS

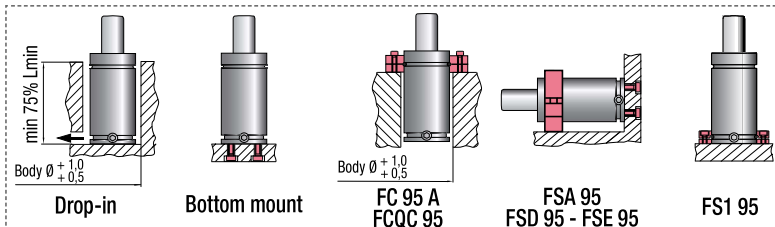
easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu
 ** F_{1p} = Polytrophic end force at 100% Cu

N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 28,27 cm ² 4.382 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV04200C
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CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀	F _{1i} *	F _{1p} **	V ₀	Weight	PED 2014/68/EU						
mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³	~Kg	~lb	
RT 4200 - 016 - A	♦ RT 4200 - 016 - B	16	0.63	94	3.70	78	3.07	6103	13720	7197	16179	172	10.48	2,97	6.55	✓
RT 4200 - 019 - A	♦ RT 4200 - 019 - B	19	0.75	100	3.94	81	3.19	6269	14093	7458	16767	192	11.71	3,05	6.72	✓
RT 4200 - 025 - A	RT 4200 - 025 - B	25	0.98	112	4.41	87	3.43	6531	14682	7874	17702	232	14.18	3,20	7.05	✓
RT 4200 - 032 - A	RT 4200 - 032 - B	32	1.26	126	4.96	94	3.70	6755	15186	8236	18515	280	17.06	3,37	7.43	✓
RT 4200 - 038 - A	RT 4200 - 038 - B	38	1.50	138	5.43	100	3.94	6902	15517	8475	19052	320	19.52	3,52	7.76	✓
RT 4200 - 050 - A	RT 4200 - 050 - B	50	1.97	162	6.38	112	4.41	7117	16001	8827	19844	401	24.45	3,82	8.42	✓
RT 4200 - 063 - A	RT 4200 - 063 - B	63	2.48	188	7.40	125	4.92	7278	16361	9092	20440	488	29.80	4,14	9.13	✓
RT 4200 - 075 - A	RT 4200 - 075 - B	75	2.95	212	8.35	137	5.39	7386	16604	9272	20843	569	34.73	4,44	9.79	✓
RT 4200 - 080 - A	RT 4200 - 080 - B	80	3.15	222	8.74	142	5.59	7423	16687	9333	20982	603	36.79	4,57	10.08	✓
RT 4200 - 100 - A	RT 4200 - 100 - B	100	3.94	262	10.31	162	6.38	7539	16949	9529	21421	738	45.01	5,07	11.18	✓
RT 4200 - 125 - A	RT 4200 - 125 - B	125	4.92	312	12.28	187	7.36	7639	17173	9696	21798	906	55.29	5,69	12.54	✓

♦ Disposable



HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = **OVER STROKE ACTIVE SAFETY** + **OVER STROKE MARKER**

ACTIVE SAFETY

Il nuovo codice sarà fornito solo ad esaurimento del vecchio

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

Der neue Kode wird nur angegeben, wenn der alte nicht mehr lieferbar ist

Le nouveau code sera fourni uniquement lorsque le vieux stock sera écolué

El nuevo código será suministrado sólo cuando se agoten las existencias del antiguo

O novo código irá ser fornecido apenas quando o antigo esgotar stock



OSAS



USAS

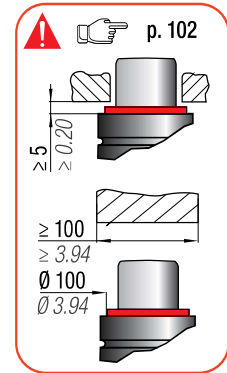
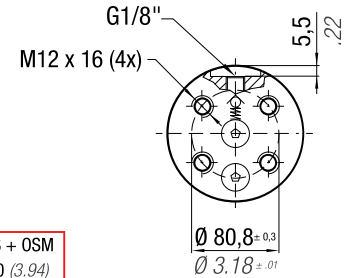
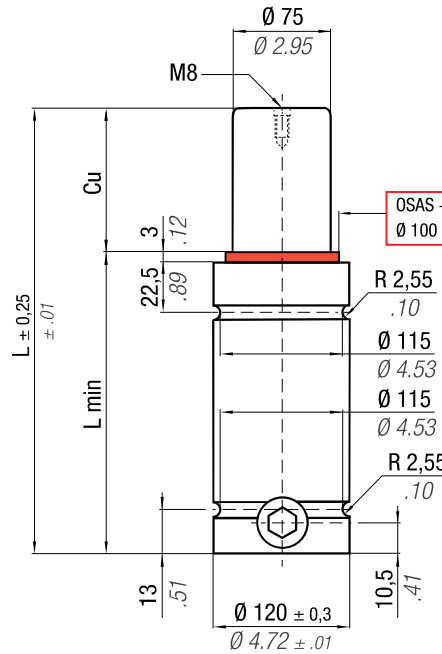


OPAS

easu MANIFOLD p. 247

* F_{1i} =
Isothermal
end force
at 100% Cu p. 16

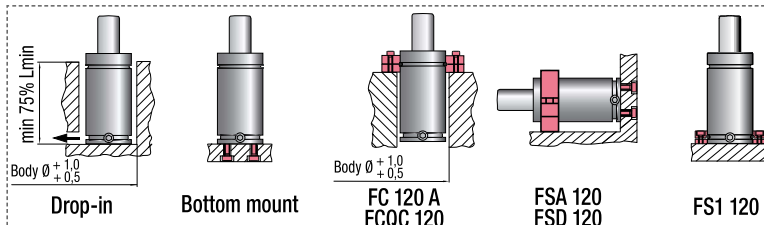
** F_{1p} =
Polytropic
end force
at 100% Cu



	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 44,18 cm ² 6,848 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70,8 in/s	Maintenance kit 39BMRV06600C
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CODE PHASING OUT from 04/2021	NEW	Cu		L		L min		F ₀ Initial force		F _{1i} * End force *		F _{1p} ** End force **		V ₀		~Kg	~lb	
		mm	inch	mm	inch	mm	inch	daN	lb	daN	lb	daN	lb	cm ³	in ³			
RT 6600 - 016 - A	♦ RT 6600 - 016 - B	16	0.63	104	4.09	88	3.46	6630 ± 5%	14904	9056	20359	10500	23606	306	18.69	5,41	11.93	✓
RT 6600 - 019 - A	♦ RT 6600 - 019 - B	19	0.75	110	4.33	91	3.58			9306	20920	10887	24474	338	20.64	5,53	12.19	✓
RT 6600 - 025 - A	RT 6600 - 025 - B	25	0.98	122	4.80	97	3.82			9712	21832	11521	25901	402	24.54	5,77	12.72	✓
RT 6600 - 032 - A	RT 6600 - 032 - B	32	1.26	136	5.35	104	4.09			10073	22644	12093	27187	477	29.08	6,05	13.34	✓
RT 6600 - 038 - A	RT 6600 - 038 - B	38	1.50	148	5.83	110	4.33			10316	23192	12483	28063	541	32.98	6,25	13.78	✓
RT 6600 - 050 - A	RT 6600 - 050 - B	50	1.97	172	6.77	122	4.80			10683	24016	13075	29394	668	40.78	6,77	14.93	✓
RT 6600 - 063 - A	RT 6600 - 063 - B	63	2.48	198	7.80	135	5.31			10964	24648	13534	30427	807	49.23	7,25	15.98	✓
RT 6600 - 075 - A	RT 6600 - 075 - B	75	2.95	222	8.74	147	5.79			11157	25083	13852	31141	935	57.03	7,77	17.13	✓
RT 6600 - 080 - A	RT 6600 - 080 - B	80	3.15	232	9.13	152	5.98			11225	25234	13963	31390	988	60.28	7,97	17.57	✓
RT 6600 - 100 - A	RT 6600 - 100 - B	100	3.94	272	10.71	172	6.77			11439	25715	14318	32188	1201	73.28	8,76	19.31	✓
RT 6600 - 125 - A	RT 6600 - 125 - B	125	4.92	322	12.68	197	7.76	11625	26133	14628	32885	1467	89.53	9,76	21.52	✓		

♦ Disposable

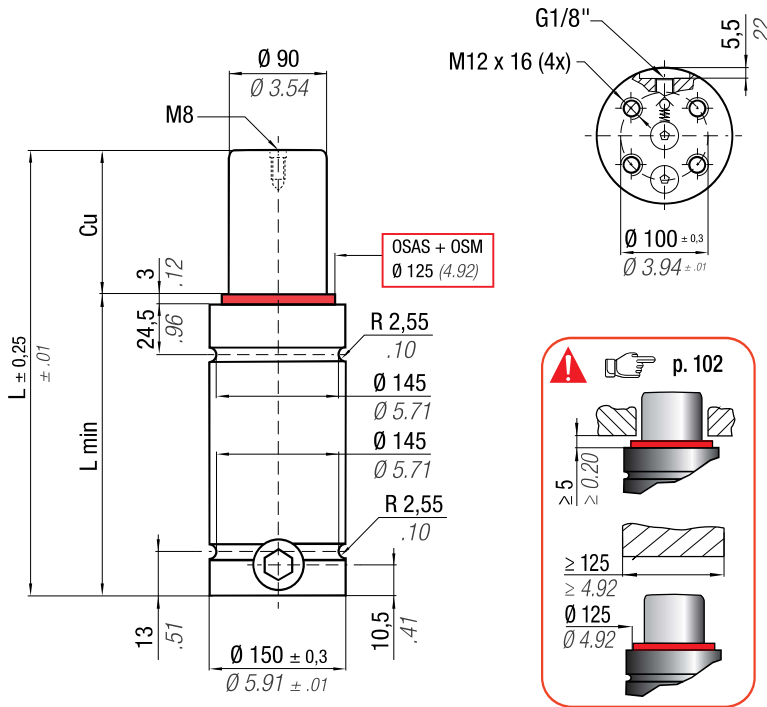


HOW TO ORDER

p. 103

INSTALLATION GUIDELINE

p. 205



OSAS + OSM = OVER STROKE ACTIVE SAFETY + OVER STROKE MARKER



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ACTIVE SAFETY



OSAS



USAS



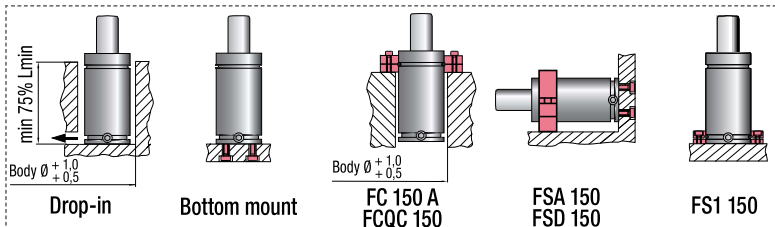
OPAS

easu MANIPOL p. 247

* F_{1i} = Isothermal end force at 100% Cu p. 16
 ** F_{1p} = Polytrophic end force at 100% Cu

N ₂	0 - 80 °C 32 - 176 °F	ΔP ± 0,33 %/°C	P max 150 bar 2175 psi	P min 20 bar 290 psi	S 63,62 cm ² 9.864 in ²	SPM ~ 20 - 100 (at 20°C)	Max Speed 1,8 m/s 70.8 in/s	Maintenance kit 39BMRV09500C	
CODE PHASING OUT from 04/2021	NEW	Cu	L	L min	F ₀ Initial force	F _{1i} * End force	F _{1p} ** End force	V ₀	PED 2014/68/EU
RT 9500 - 019 - A	♦ RT 9500 - 019 - B	19 0.75	116 4.57	97 3.82	9540 21446 ± 5% 150 bar 2175 psi + 20 °C +68 °F	13135 29529	15266 34320	513 31.32	9,58 21.12 ✓
RT 9500 - 025 - A	RT 9500 - 025 - B	25 0.98	128 5.04	103 4.06		13676 30745	16106 36208	609 37.19	9,95 21.94 ✓
RT 9500 - 032 - A	RT 9500 - 032 - B	32 1.26	142 5.59	110 4.33		14157 31826	16862 37908	722 44.03	10,39 22.91 ✓
RT 9500 - 038 - A	RT 9500 - 038 - B	38 1.50	154 6.06	116 4.57		14481 32554	17376 39063	818 49.90	10,76 23.72 ✓
RT 9500 - 050 - A	RT 9500 - 050 - B	50 1.97	178 7.01	128 5.04		14968 33649	18156 40817	1010 61.63	11,51 25.38 ✓
RT 9500 - 063 - A	RT 9500 - 063 - B	63 2.48	204 8.03	141 5.55		15341 34488	18760 42174	1218 74.35	12,32 27.16 ✓
RT 9500 - 075 - A	RT 9500 - 075 - B	75 2.95	228 8.98	153 6.02		15597 35064	19177 43113	1411 86.07	13,07 28.81 ✓
RT 9500 - 080 - A	RT 9500 - 080 - B	80 3.15	238 9.37	158 6.22		15686 35264	19323 43440	1491 90.97	13,38 29.50 ✓
RT 9500 - 100 - A	RT 9500 - 100 - B	100 3.94	278 10.94	178 7.01		15970 35902	19788 44486	1811 110.52	14,63 32.25 ✓
RT 9500 - 125 - A	RT 9500 - 125 - B	125 4.92	328 12.91	203 7.99		16216 36456	20195 45399	2212 134.97	16,19 35.69 ✓

♦ Disposable



HOW TO ORDER

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INSTALLATION GUIDELINE

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