

READY SE Series Renault Line Nitrogen Gas Nitrogen Gas (N₂) Springs

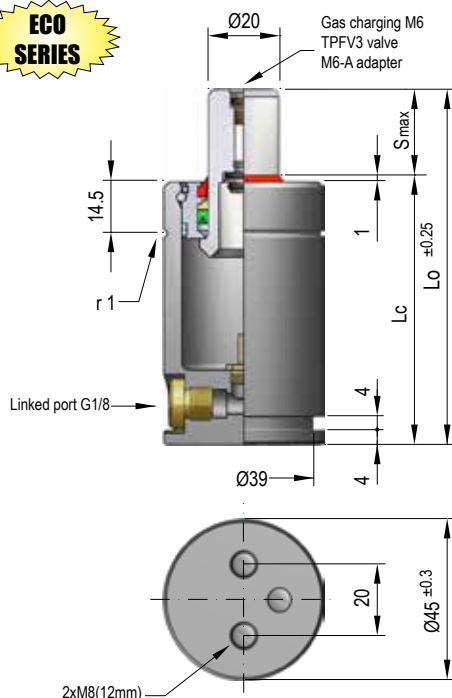
The Renault line gas spring meets all ISO and VDI piston rod and body diameter specification, and they conform to the mounting, charge port, and body height specifications of the Renault norms.

Body Diameter: 45mm to 95mm
Open Force: 1050 lbs to 6750 lbs
Closed Force: 1050 lbs to 6750 lbs



MODEL	ØBody mm	Strokes mm	Fo daN		 ACTIVE SAFETY			RENAULT STANDARD
SE-500	45	13 - 125	470	✓	✓	✓	✓	✓
SE-750	50	13 - 125	740	✓	✓	✓	✓	✓
SE-1500	75	25 - 100	1500	✓	✓	✓	✓	✓
SE-3000	95	25 - 100	3000	✓	✓	✓	✓	✓

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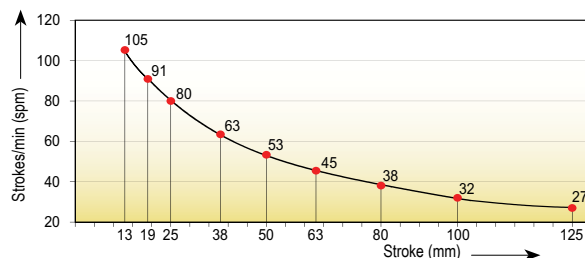
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	3,14 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit KF500



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EM24.54/700/F

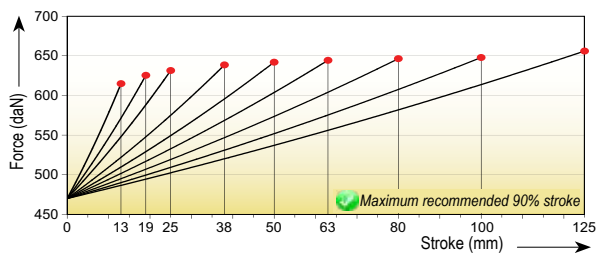


Maximum strokes / minute (at 20°C)

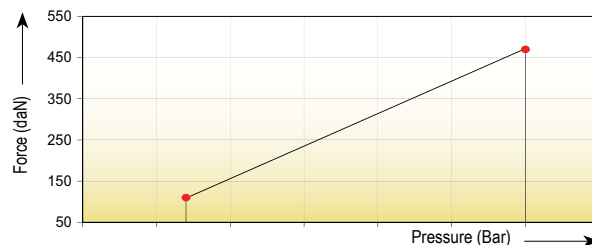


MODEL	Smax mm	Lo mm	Lc mm		Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
SE-500x13	13	75,7	62,7	470 ±5% (20°C)		600	615	150 (20°C)	0,017	0,55
SE-500x19	19	88	69			605	625		0,024	0,60
SE-500x25	25	100	75			610	635		0,031	0,65
SE-500x38	38	126	88			620	640		0,045	0,85
SE-500x50	50	150	100			620	645		0,059	0,88
SE-500x63	63	177	114			625	645		0,073	0,95
SE-500x80	80	210	130			625	650		0,092	1,05
SE-500x100	100	250	150			625	650		0,114	1,20
SE-500x125	125	300	175			635	660		0,139	1,45

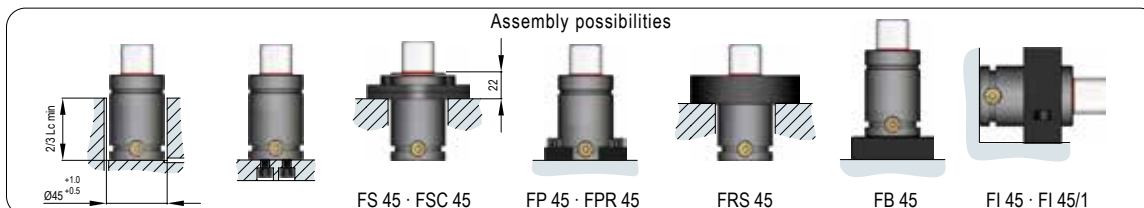
Force/stroke ratio



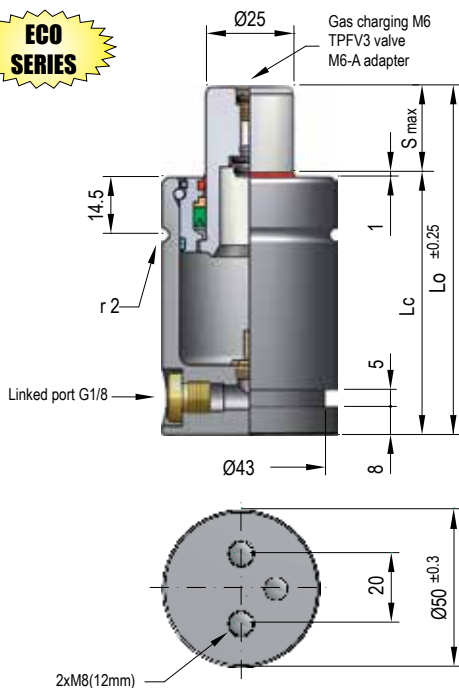
Initial force/charging pressure ratio



Assembly possibilities



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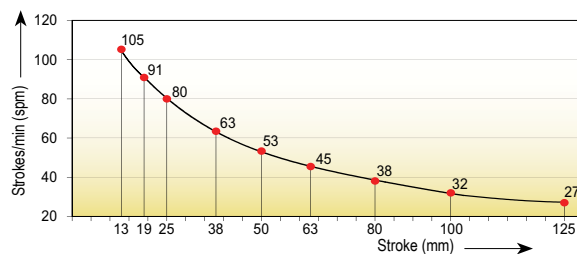
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	4,91 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit KF750



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EM24.54/700IF

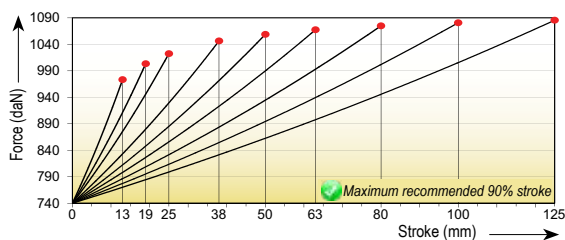


Maximum strokes / minute (at 20°C)

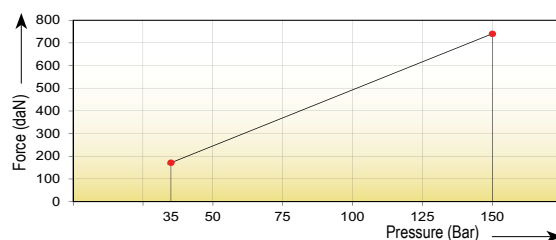


MODEL	Smax mm	L0 mm	Lc mm	Fo daN	F daN	Fc daN	P Bar	V l	Kg
SE-750x13	13	75,7	62,7	740 ±5% (20°C)	935	960	150 (20°C)	0,027	0,72
SE-750x19	19	88	69		965	1000		0,036	0,75
SE-750x25	25	100	75		980	1015		0,044	0,80
SE-750x38	38	126	88		1000	1040		0,064	0,92
SE-750x50	50	150	100		1010	1055		0,082	1,02
SE-750x63	63	177	114		1015	1060		0,101	1,15
SE-750x80	80	210	130		1025	1070		0,126	1,31
SE-750x100	100	250	150		1030	1075		0,156	1,50
SE-750x125	125	300	175		1030	1080		0,193	1,65

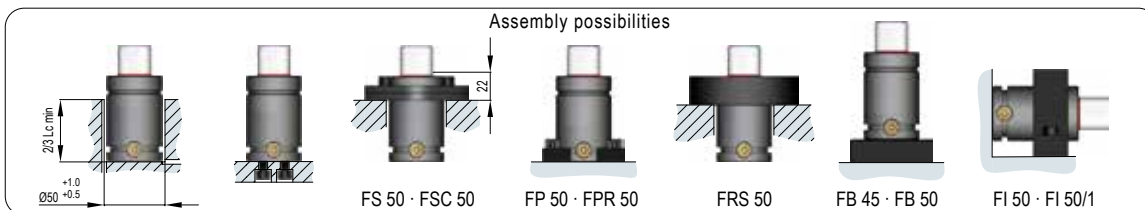
Force/stroke ratio



Initial force/charging pressure ratio

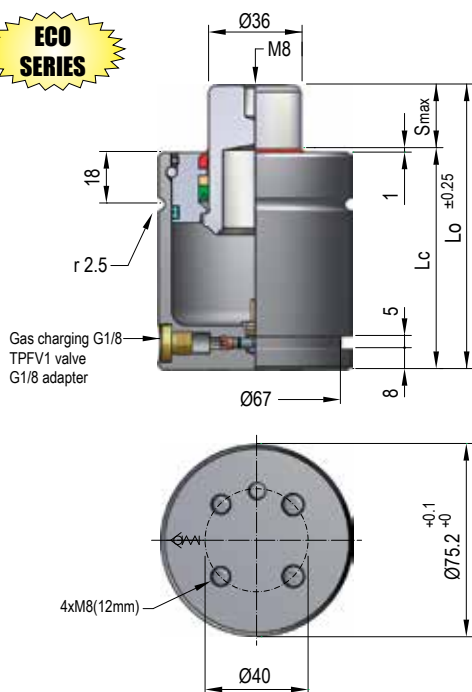


Assembly possibilities



Product improvement through research and development is an ongoing process. All specifications are subject to change without notice.

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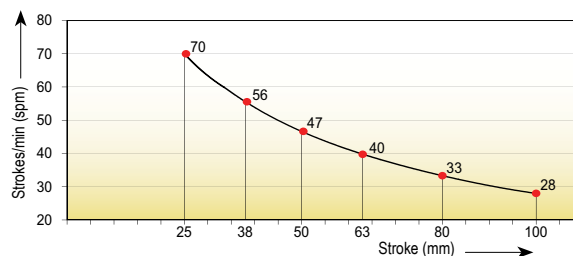
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	10,18 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit KF1500

PED
2014/68/UE

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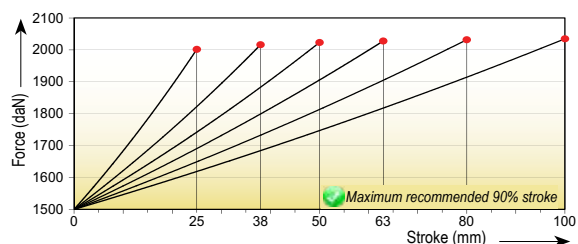


Maximum strokes / minute (at 20°C)

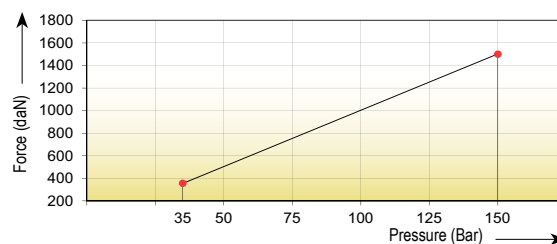


Model	Smax mm	Lo mm	Lc mm	Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
SE-1500x25	25	110	85	1500 ±5% (20°C)	1945	2010	148 (20°C)	0,102	1,80
SE-1500x38	38	136	98		1960	2025		0,151	1,90
SE-1500x50	50	160	110		1965	2030		0,197	2,20
SE-1500x63	63	186	123		1970	2035		0,246	2,45
SE-1500x80	80	220	140		1970	2040		0,311	2,80
SE-1500x100	100	260	160		1975	2045		0,387	3,20

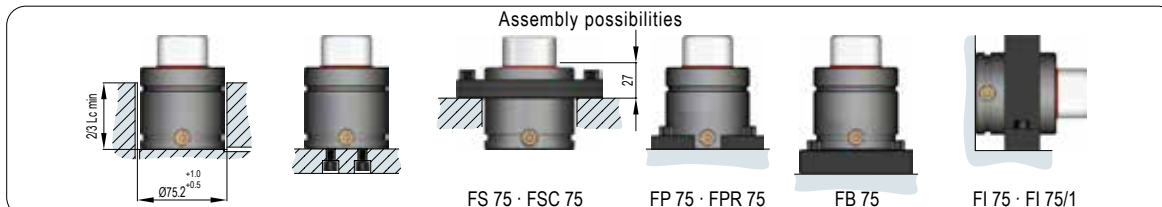
Force/stroke ratio



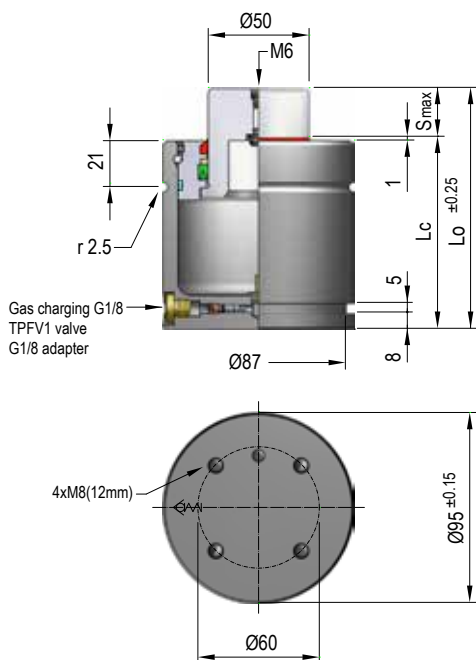
Initial force/charging pressure ratio



Assembly possibilities



SE-3000



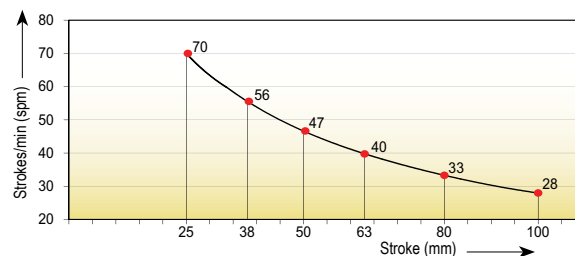
Pressure medium	Gas Nitrogen(N ₂)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	19,63 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit KF3000



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EM24.54/700/F

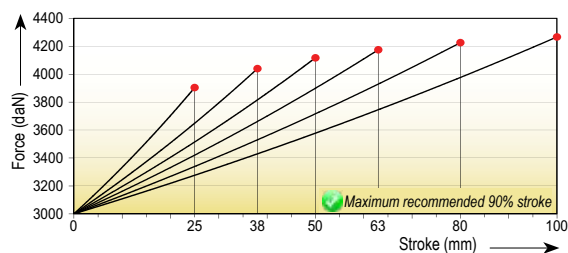


Maximum strokes / minute (at 20°C)

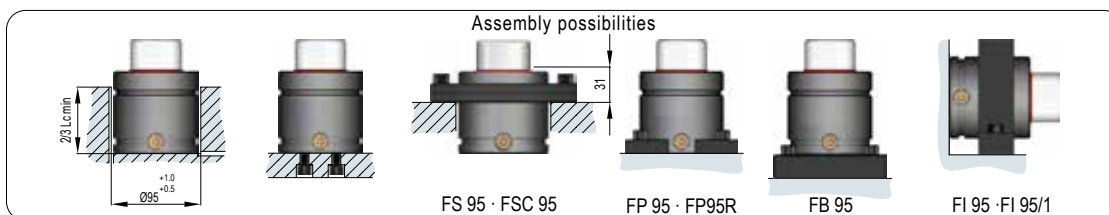
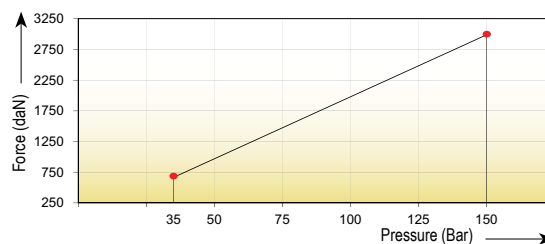


Code	Smax mm	Lo mm	Lc mm	Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
SE-3000x25	25	120	95	3000 ±5% (20°C)	3795	3910	150 (20°C)	0,212	3,60
SE-3000x38	38	146	108		3910	4045		0,290	4,20
SE-3000x50	50	170	120		3975	4125		0,362	4,40
SE-3000x63	63	196	133		4025	4180		0,440	4,90
SE-3000x80	80	230	150		4065	4230		0,541	5,40
SE-3000x100	100	270	170		4100	4275		0,661	6,50

Force/stroke ratio



Initial force/charging pressure ratio



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