

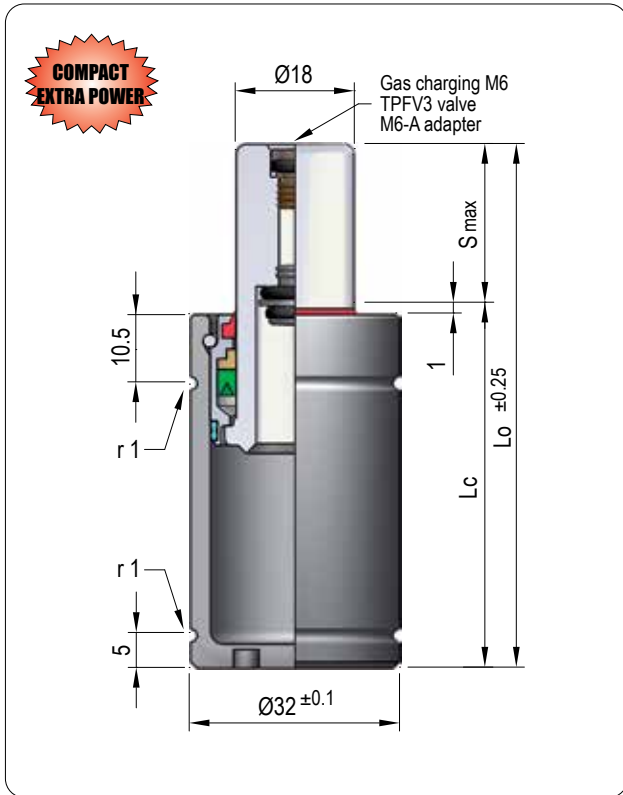
READY DESIGN-TITE® T Series Super-Compact Line Nitrogen Gas (N₂) Springs

Every T Series Super Compact gas spring combines the convenience of a self-contained gas spring with the increased on-contact force and a very shorter body height of a bore seal cylinder.

Body Diameter: 32mm to 75mm
 Open Force: 1100 lbs to 6750 lbs.
 Closed Force: 1950 lbs to 12,545 lbs



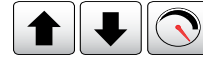
MODEL	ØBody mm	Strokes mm	Fo daN				
T-500	32	12 - 80	500	✓	✓		✓
T-750	38	16 - 80	750	✓	✓		✓
T-1200	50	13 - 80	1200	✓	✓		✓
T-2100	63	13 - 80	2100	✓	✓		✓
T-3000	75	12 - 80	3000	✓	✓		✓



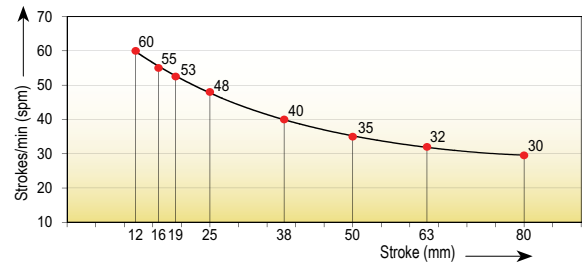
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	190 Bar
Min. charging pressure	25 Bar
Rod seal area	2,54 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,2 m/s
Maintenance kit	Kit T32



VDI SAFETY

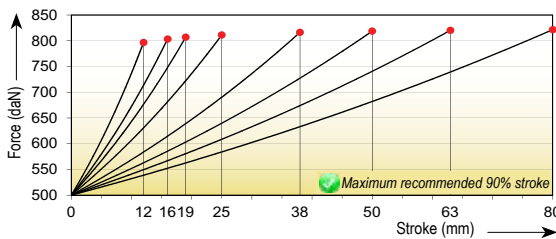


Maximum strokes / minute (at 20°C)

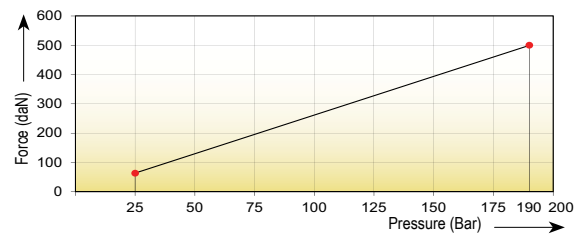


MODEL	Smax mm	Lo mm	Lc mm	Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
T-500x12	12	49	37	500 ±5% (20°C)	755	800	190 (20°C)	0,008	0,19
T-500x16	16	58	42		760	805		0,011	0,21
T-500x19	19	65	46		760	810		0,013	0,22
T-500x25	25	76	51		765	815		0,017	0,24
T-500x38	38	102	64		770	820		0,025	0,27
T-500x50	50	127	77		770	820		0,033	0,30
T-500x63	63	152	89		775	825		0,041	0,34
T-500x80	80	186	106		775	825		0,052	0,41

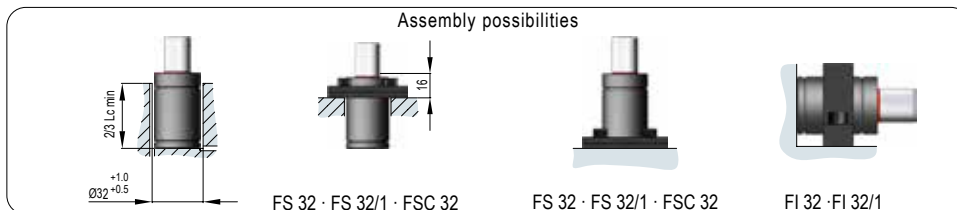
Force/stroke ratio



Initial force/charging pressure ratio



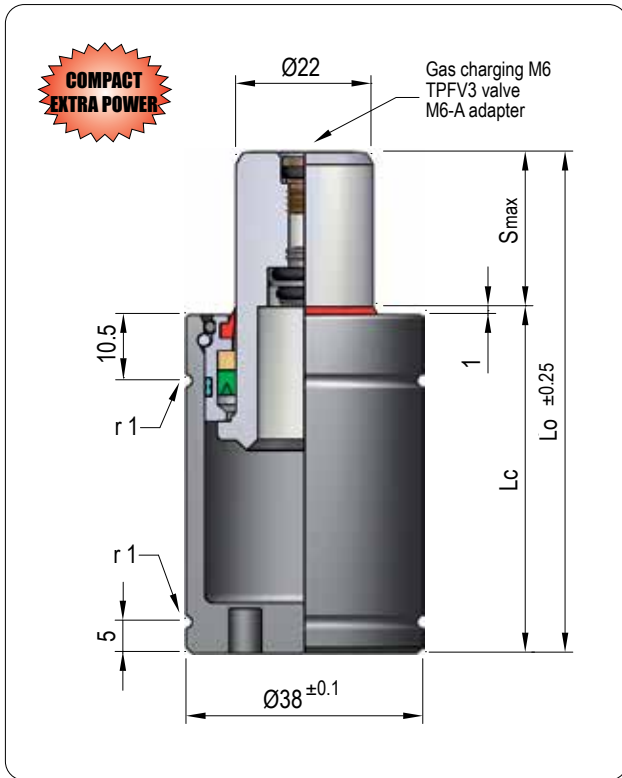
Assembly possibilities



FS 32 · FS 32/1 · FSC 32

FS 32 · FS 32/1 · FSC 32

FI 32 · FI 32/1



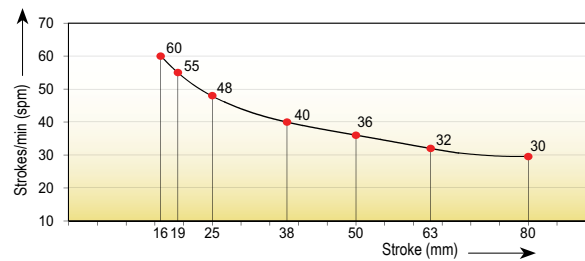
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	190 Bar
Min. charging pressure	35 Bar
Rod seal area	3,80 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,2 m/s
Maintenance kit	Kit T38



VDI SAFETY

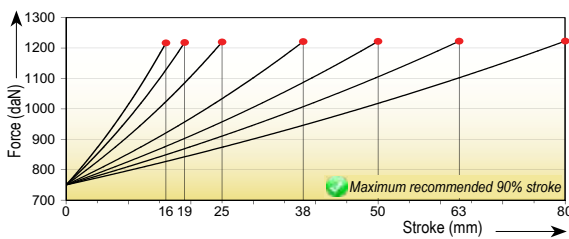


Maximum strokes / minute (at 20°C)

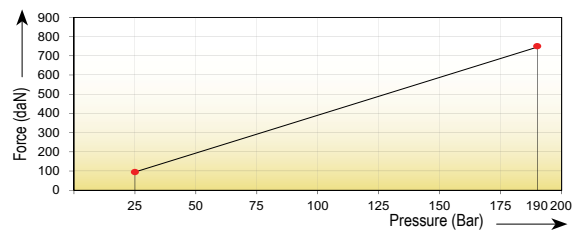


MODEL	Smax mm	Lo mm	Lc mm	Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
T-750x16	16	58	42	750 ±5% (20°C)	1145	1215	190 (20°C)	0,016	0,27
T-750x19	19	65	46		1145	1215		0,019	0,30
T-750x25	25	78	53		1145	1220		0,025	0,32
T-750x38	38	102	64		1145	1220		0,037	0,35
T-750x50	50	127	77		1150	1220		0,049	0,39
T-750x63	63	152	89		1150	1220		0,062	0,42
T-750x80	80	186	106		1150	1220		0,079	0,51

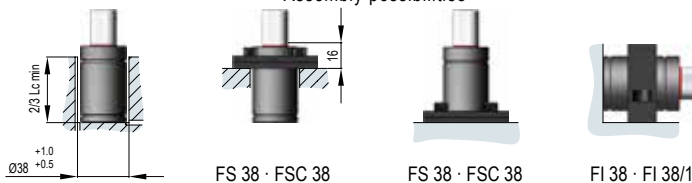
Force/stroke ratio



Initial force/charging pressure ratio



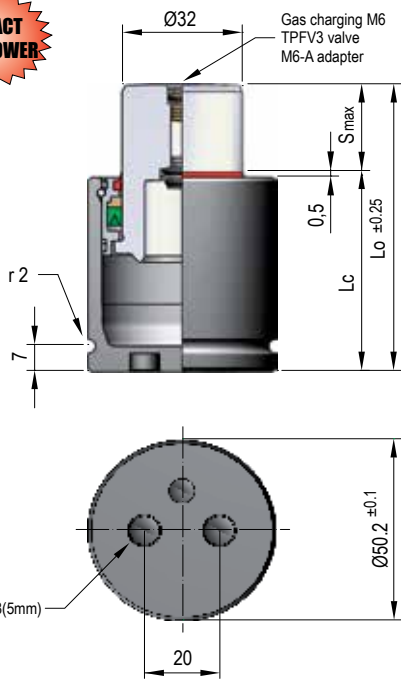
Assembly possibilities



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

T-1200

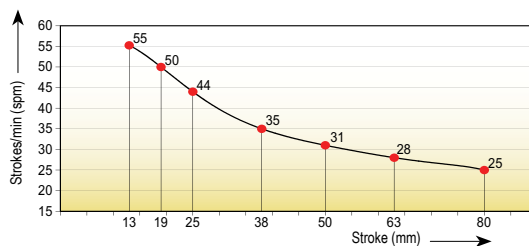
**COMPACT
EXTRA POWER**



Pressure medium	Gas Nitrogen (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	50 Bar
Rod seal area	8,04 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit T50

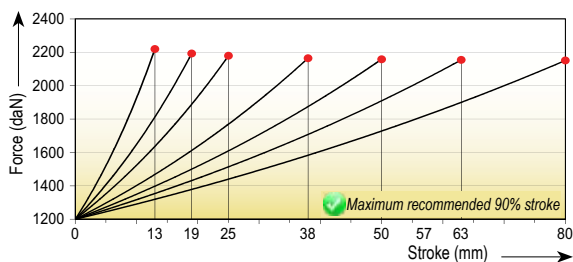


Maximum strokes / minute (at 20°C)

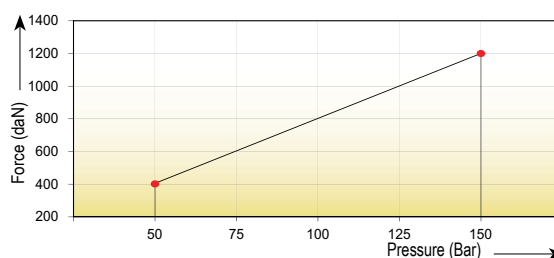


MODEL	S_{max} mm	L_o mm	L_c mm	F_o daN	90% F daN	100% F_c daN	P Bar	V l	Kg
T-1200x13	13	55	42	1200 $\pm 5\%$ (20°C)	2045	2215	150 (20°C)	0,023	0,49
T-1200x19	19	67	48		2020	2190		0,034	0,52
T-1200x25	25	79	54		2010	2175		0,045	0,59
T-1200x38	38	105	67		2000	2160		0,069	0,68
T-1200x50	50	129	79		1995	2155		0,091	0,79
T-1200x63	63	155	92		1995	2150		0,114	0,95
T-1200x80	80	189	109		1990	2150		0,146	1,10

Force/stroke ratio



Initial force/charging pressure ratio



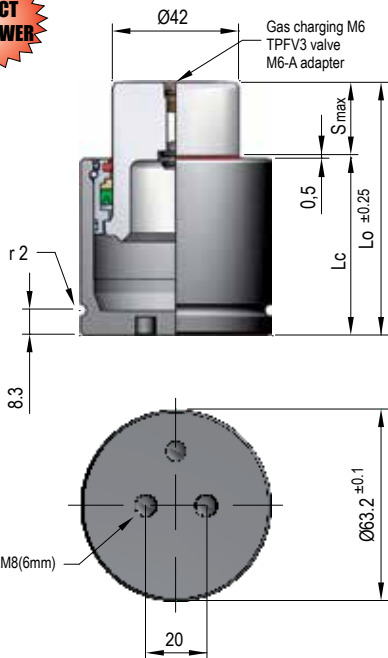
Assembly possibilities



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T-2100

**COMPACT
EXTRA POWER**



Pressure medium	Gas Nitrogen (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	50 Bar
Rod seal area	13,85 cm^2
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit T63

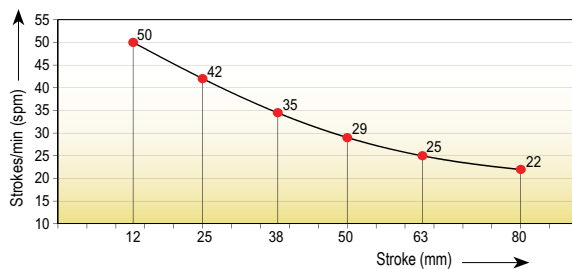


VDI SAFETY



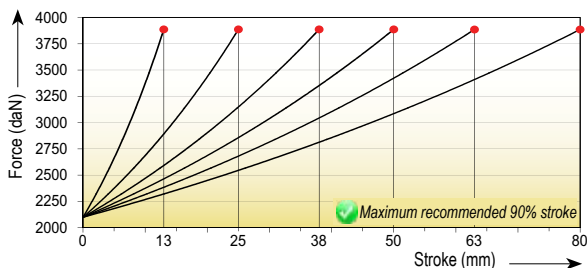
RE-42-55

Maximum strokes / minute (at 20°C)

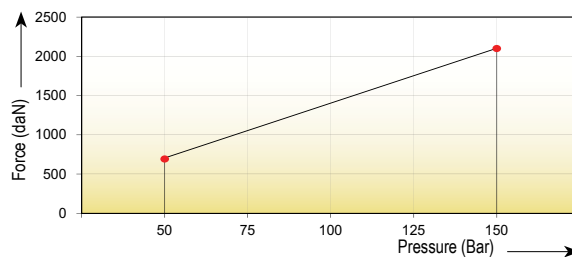


MODEL	S_{max} mm	L_o mm	L_c mm	F_o daN	90% F daN	100% F_c daN	P Bar	V l	Kg
T-2100x13	13	60	47	2100 \pm 5% (20°C)	3545	3845	150 (20°C)	0,039	0,87
T-2100x25	25	84	59		3545	3845		0,075	0,92
T-2100x38	38	110	72		3545	3845		0,115	1,30
T-2100x50	50	134	84		3545	3845		0,151	1,55
T-2100x63	63	160	97		3545	3845		0,190	1,70
T-2100x80	80	194	114		3545	3845		0,241	1,85

Force/stroke ratio



Initial force/charging pressure ratio



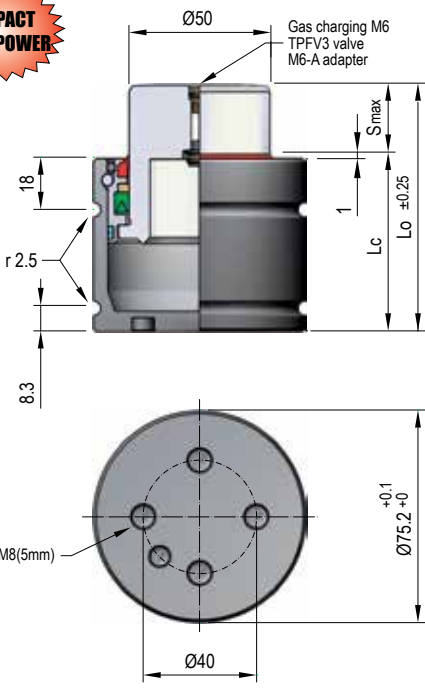
Assembly possibilities



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T-3000

**COMPACT
EXTRA POWER**



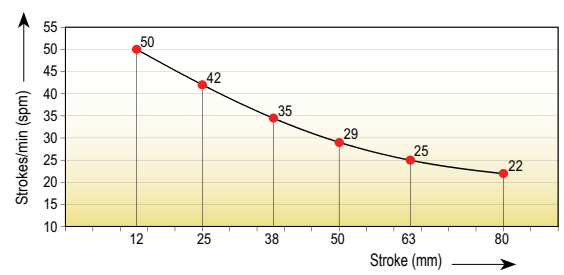
Pressure medium	Gas Nitrogen (N ₂)
Max. charging pressure	150 Bar
Min. charging pressure	50 Bar
Rod seal area	19,63 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit T75



VDI SAFETY

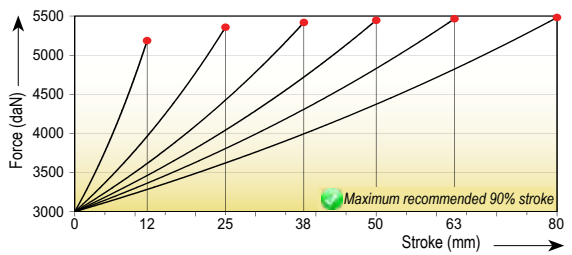


Maximum strokes / minute (at 20°C)

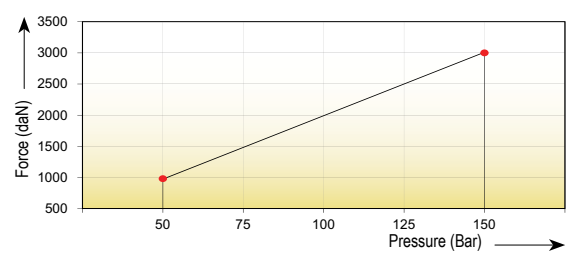


MODEL	Smax mm	Lo mm	Lc mm	Fo daN	90% F daN	100% Fc daN	P Bar	V l	Kg
T-3000x12	12	61	49	3000 ±5% (20°C)	4810	5160	150 (20°C)	0,056	1,25
T-3000x25	25	87	62		4940	5330		0,112	1,39
T-3000x38	38	113	75		4990	5390		0,167	1,62
T-3000x50	50	137	87		5010	5420		0,219	1,72
T-3000x63	63	163	100		5025	5435		0,274	1,99
T-3000x80	80	197	117		5035	5455		0,347	2,18

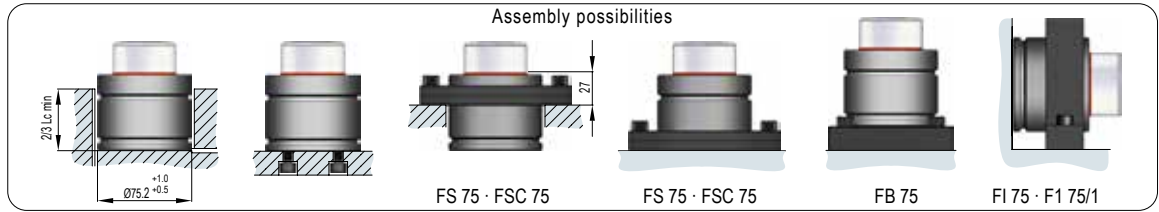
Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



FS 75 · FSC 75 FS 75 · FSC 75 FB 75 FI 75 · F1 75/1

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