



Mittelkompakte Gasdruckfedern

Code	ØBody mm	Strokes mm	Fa daN				
TPCT 25.1	25	7 - 100	200	✓	✓		✓
TPCT 300	32	10 - 100	300	✓	✓		✓
TPCT 450	32	7 - 100	450	✓	✓		✓
TPCT 550	38	12 - 100	550	✓	✓		✓
TPCT 2500	75	12 - 125	2500	✓	✓		✓
TPCT 3000	75	12 - 125	3000	✓	✓		✓
TPCT 5000	105	25 - 125	5000	✓	✓	✓	✓

TPCT

TPSL

STOP

CYLINDER

STOP

CYLINDER

TPSR

TPSRs

TPNS

TPHT



VDI SAFETY



MICRO

TITAN

TPH

TPS

TPSP

TPF

TPK

TPC

TPR

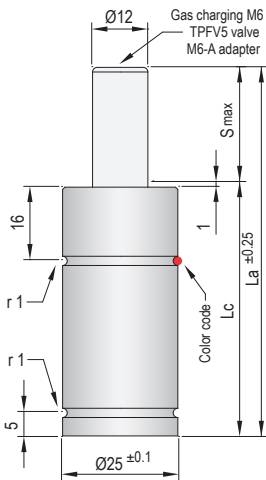
TPB

TPHC

TPA

TPG

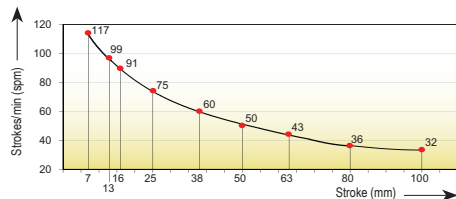
TPCT



Pressure medium	Nitrogen (N ₂)
Max. charging pressure	175 Bar
Min. charging pressure	25 Bar
Rod seal area	1,13 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 CT25.1



Maximum strokes / minute (at 20°C)



Code	Smax mm	La mm	Lc mm	V	Kg
TPCT 25x7.1	7	47	40	0,003	0,10
TPCT 25x13.1	12,7	58,4	45,7	0,005	0,11
TPCT 25x16.1	16	65	49	0,006	0,12
TPCT 25x25.1	25	83	58	0,009	0,14
TPCT 25x38.1	38	109	71	0,014	0,16
TPCT 25x50.1	50	133	83	0,018	0,18
TPCT 25x63.1	63	160	97	0,023	0,21
TPCT 25x80.1	80	193	113	0,029	0,23
TPCT 25x100.1	100	232	132	0,036	0,26

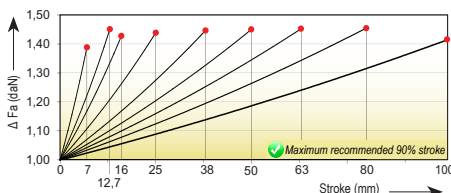
Color code	Fa daN	90% F daN	P Bar
GR (Green)	50 (±5)	≈ 70	45
BL (Blue)	100 (±10)	≈ 140	90
RD (Red)	150 (±15)	≈ 210	135
YW (Yellow)	200 (±20)	≈ 270	175
(Other forces)	28 - 200	≈ 40 - 270	25 - 175

Der schwarze Farbcode kennzeichnet einen abweichenden Fülldruck, den Sie bei der Bestellung zwischen dem minimalen und maximalen Fülldruck wählen können. Ohne andere Angabe wird die Gasdruckfeder in der Ausführung mit gelbem Farbcode (YW) geliefert.

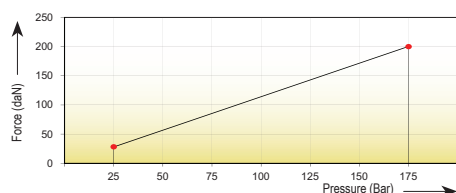
Bestellbeispiel

TPCT 25	x 38.1	GR
Model	Stroke	Color code

Force/stroke ratio



Initial force/charging pressure ratio



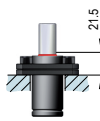
Einbaumöglichkeiten



Hinweise beachten
Seite 287



DROP-IN



FS 25/1 · FS 25/2

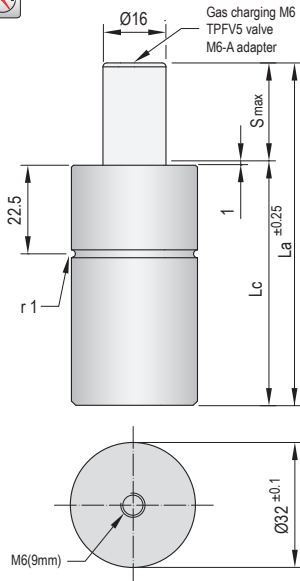


FS 25/1 · FS 25/2

VDI SAFETY



PED
2014/68/EU



i Pressure medium **Nitrogen (N₂)**

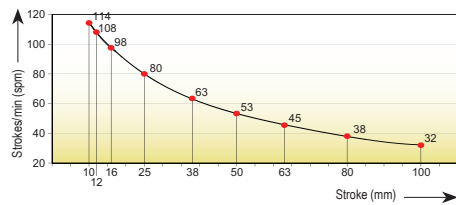
Max. charging pressure	150 Bar
Min. charging pressure	25 Bar
Rod seal area	2,01 cm ²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,6 m/s
Maintenance kit	Kit CT300.1



RE-16-32

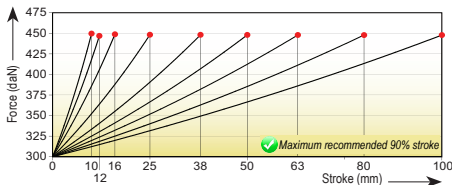


Maximum strokes / minute (at 20°C)

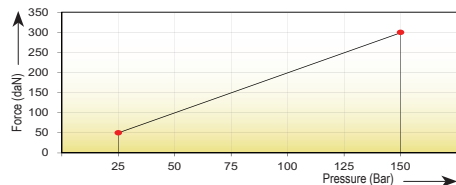


Code	Smax mm	La mm	Lc mm		Fa daN	90% 	F daN	100% 	Fc daN		P Bar	V l		Kg
TPCT 300x10	10	57	47	300 ±5% (20°C)			430	450			150 (20°C)	0,006		0,16
TPCT 300x12	12	61	49				430	450				0,007		0,17
TPCT 300x16	16	69	53				430	450				0,010		0,18
TPCT 300x25	25	87	62				430	450				0,015		0,20
TPCT 300x38	38	113	75				430	450				0,023		0,24
TPCT 300x50	50	137	87				430	450				0,030		0,28
TPCT 300x63	63	163	100				430	450				0,038		0,33
TPCT 300x80	80	197	117				430	450				0,049		0,38
TPCT 300x100	100	237	137				430	450				0,061		0,44

Force/stroke ratio



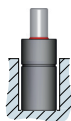
Initial force/charging pressure ratio



Einbaumöglichkeiten



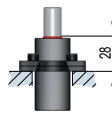
Hinweise beachten
Seite 287



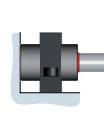
DROP-IN



SCREWS



FS 32 - FS 32/1 - FSC 32



FI 32 - FI 32/1

TPCT

TPSL

STOP

CYLINDER

STOP

CYLINDER

TPSR

TPSRs

TPNS

TPHT



VDI SAFETY



MICRO

TITAN

TPH

TPS

TPSP

TPF

TPK

TPC

TPR

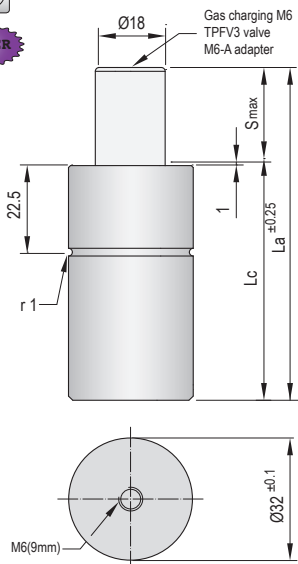
TPB

TPHC

TPA

TPG

TPCT



i Pressure medium **Nitrogen (N₂)**

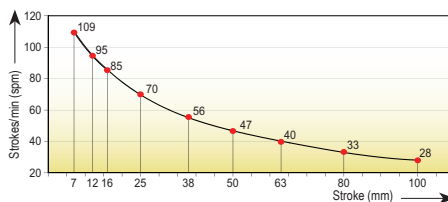
Max. charging pressure	175 Bar
Min. charging pressure	25 Bar
Rod seal area	2,54 cm²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,2 m/s
Maintenance kit	Kit CT450



RE-18-32

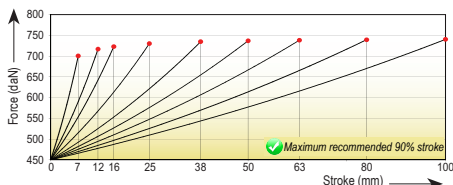


Maximum strokes / minute (at 20°C)

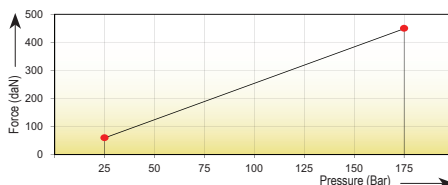


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPCT 450x7	7	51	44	450 ±5% (20°C)	655	695	175 (20°C)	0,005	0,16
TPCT 450x12	12	61	49		670	710		0,008	0,17
TPCT 450x16	16	69	53		675	715		0,011	0,18
TPCT 450x25	25	87	62		680	725		0,017	0,20
TPCT 450x38	38	113	75		685	725		0,025	0,24
TPCT 450x50	50	137	87		685	730		0,033	0,28
TPCT 450x63	63	163	100		685	730		0,041	0,33
TPCT 450x80	80	197	117		690	730		0,052	0,38
TPCT 450x100	100	237	137		690	735		0,065	0,44

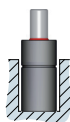
Force/stroke ratio



Initial force/charging pressure ratio



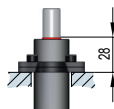
Einbaumöglichkeiten



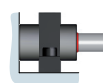
DROP-IN



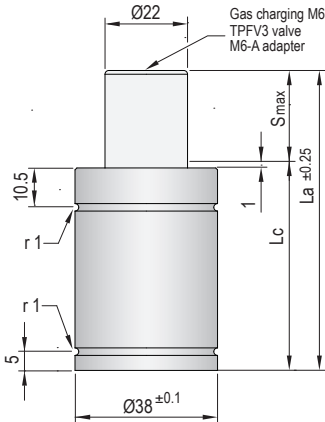
SCREWS



FS 32·FS 32/1-FSC 32



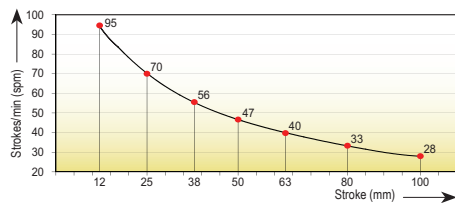
FI 32·FI 32/1



i Pressure medium	Nitrogen (N ₂)
Max. charging pressure	150 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 CT550

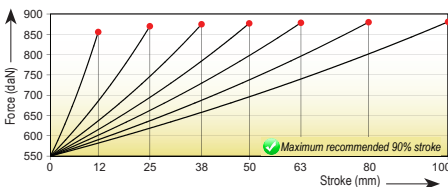


Maximum strokes / minute (at 20°C)

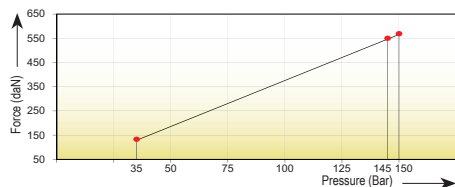


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPCT 550x12	12	56	44	550 ±5% (20°C)	810	860	145 (20°C)	0,013	0,28
TPCT 550x25	25	82	57		825	870		0,026	0,34
TPCT 550x38	38	108	70		830	875		0,039	0,39
TPCT 550x50	50	132	82		830	880		0,051	0,43
TPCT 550x63	63	158	95		830	880		0,064	0,48
TPCT 550x80	80	192	112		830	880		0,081	0,55
TPCT 550x100	100	232	132		835	885		0,101	0,64

Force/stroke ratio



Initial force/charging pressure ratio



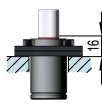
Einbaumöglichkeiten



Hinweise beachten
Seite 287



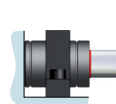
DROP-IN



FS 38-FSC 38

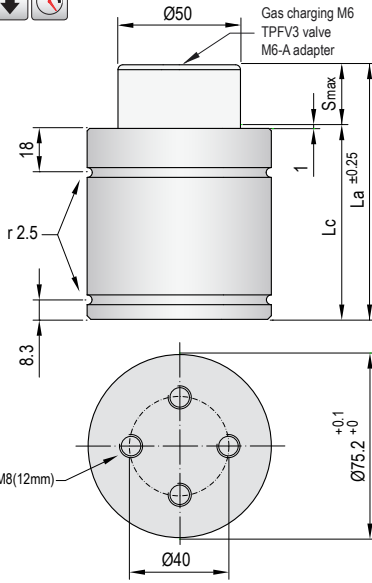


FS 38-FSC 38



FI 38-FI 38/1

VDI SAFETY

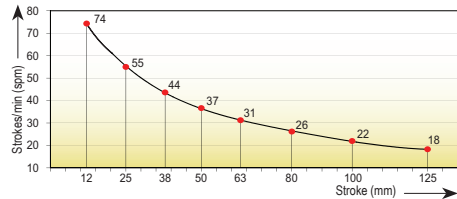


i Pressure medium **Nitrogen (N₂)**

Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	19,63 cm²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,8 m/s
Maintenance kit	Kit CT2500

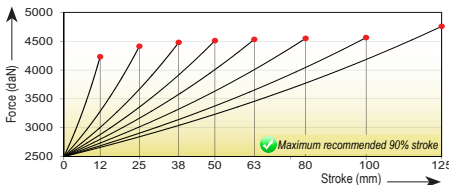


Maximum strokes / minute (at 20°C)

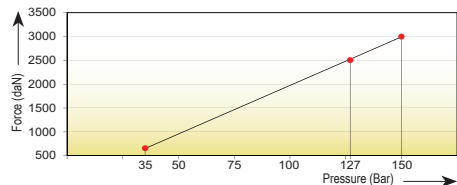


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPCT 2500x12	12	78	66	2500 ±5% (20°C)	3950	4220	127 (20°C)	0,058	1,60
TPCT 2500x25	25	104	79		4090	4400		0,113	1,90
TPCT 2500x38	38	130	92		4140	4470		0,169	2,05
TPCT 2500x50	50	154	104		4165	4500		0,220	2,30
TPCT 2500x63	63	180	117		4180	4520		0,276	2,55
TPCT 2500x80	80	214	134		4195	4540		0,349	2,95
TPCT 2500x100	100	254	154		4205	4550		0,434	3,25
TPCT 2500x125	125	304	179		4355	4745		0,517	3,70

Force/stroke ratio



Initial force/charging pressure ratio



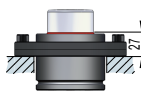
Einbaumöglichkeiten



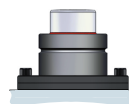
DROP-IN



SCREWS



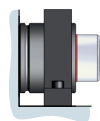
FS 75 - FSC 75



FS 75 - FSC 75

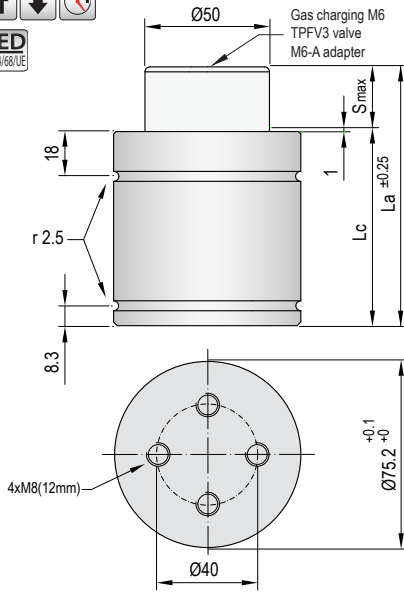


FB 75



FI 75 - FI 75/1

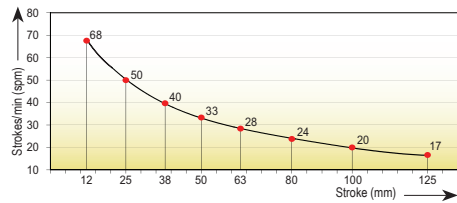
VDI SAFETY



Pressure medium	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	0,6 m/s
Maintenance kit	Kit CT3000

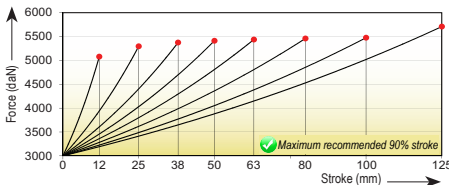


Maximum strokes / minute (at 20°C)

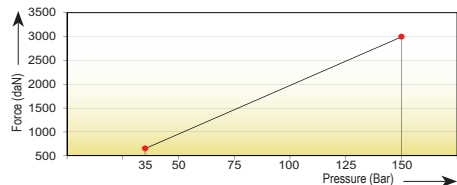


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPCT 3000x12	12	78	66	3000 ±5% (20°C)	4755	5085	150 (20°C)	0,058	1,60
TPCT 3000x25	25	104	79		4925	5305		0,113	1,90
TPCT 3000x38	38	130	92		4500	5380		0,169	2,05
TPCT 3000x50	50	154	104		5015	5420		0,220	2,30
TPCT 3000x63	63	180	117		5035	5445		0,276	2,55
TPCT 3000x80	80	214	134		5055	5470		0,349	2,95
TPCT 3000x100	100	254	154		5065	5485		0,434	3,25
TPCT 3000x125	125	304	179		5245	5715		0,517	3,70

Force/stroke ratio



Initial force/charging pressure ratio



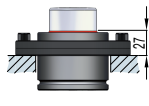
Einbaumöglichkeiten



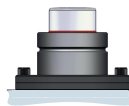
DROP-IN



SCREWS



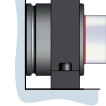
FS 75 · FSC 75



FS 75 · FSC 75



FB 75

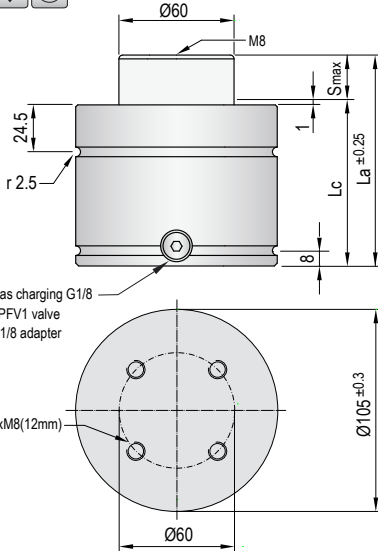


FI 75 · FI 75/1

VDI SAFETY



PED
2014/68/EU

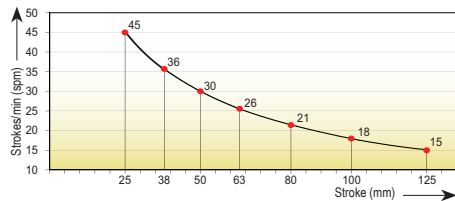


i Pressure medium **Nitrogen (N₂)**

Max. charging pressure	175 Bar
Min. charging pressure	35 Bar
Rod seal area	28,27 cm²
Operating temperature	0°C - 80°C
Force increase by temperature	0,33 %/°C
Max. stem speed	1,2 m/s
Maintenance kit	Kit CT5000

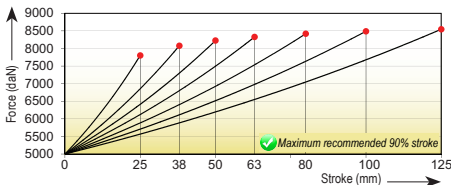


Maximum strokes / minute (at 20°C)

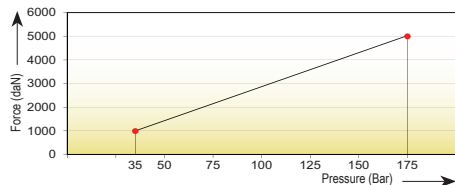


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPCT 5000x25	25	110	85	5000 ±5% (20°C)	7395	7810	175 (20°C)	0,197	4,10
TPCT 5000x38	38	136	98		7615	8085		0,282	4,70
TPCT 5000x50	50	160	110		7735	8235		0,361	4,90
TPCT 5000x63	63	186	123		7815	8335		0,446	5,40
TPCT 5000x80	80	220	140		7890	8425		0,557	5,75
TPCT 5000x100	100	260	160		7945	8495		0,688	5,90
TPCT 5000x125	125	310	185		7990	8555		0,852	7,05

Force/stroke ratio



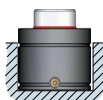
Initial force/charging pressure ratio



Einbaumöglichkeiten



Hinweise beachten
Seite 287



DROP-IN



SCREWS



FB 95