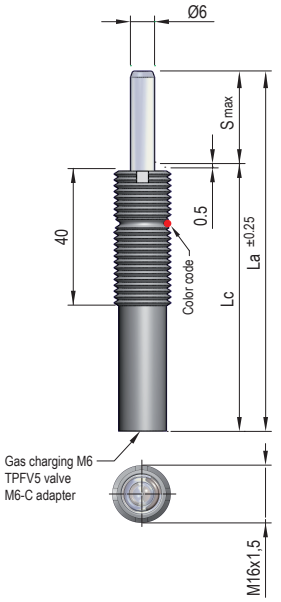
TECAPRES®

M16x1,5
42daN

TPRF 16

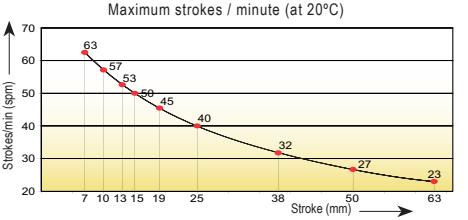


Pressure medium	Gas Nitrógeno (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	20 Bar
Rod seal area	0,28 cm²
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	0,5 m/s
Maintenance kit	Kit RF16

PED 2014/68/UE

VDI SAFETY

Maximum strokes / minute (at 20ºC)



Code	Smax mm	La mm	Lc mm	V l	Kg
TPRF 16x7	7	56	49	0,001	0,05
TPRF 16x10	10	62	52	0,001	0,06
TPRF 16x13	13	68	55	0,001	0,06
TPRF 16x15	15	72	57	0,001	0,07
TPRF 16x19	19	80	61	0,001	0,08
TPRF 16x25	25	92	67	0,002	0,08
TPRF 16x38	38	118	80	0,003	0,09
TPRF 16x50	50	142	92	0,004	0,09
TPRF 16x63	63	172	109	0,005	0,10

Color code	Fa daN	Fc daN	P Bar
GR *(Green)*	13 (±5%)	≈ 20	45
BL *(Blue)*	25 (±5%)	≈ 40	90
RD *(Red)*	38 (±5%)	≈ 60	135
YW *(Yellow)*	42 (±5%)	≈ 65	150
(Other forces)	6 - 42	≈ 10 - 65	20 - 150

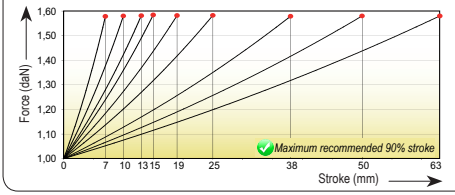
The black color code denotes a different pressure from that which the customer could choose when ordering between the minimum charging pressure (20Bar) and the maximum charging pressure (150Bar).

How to order

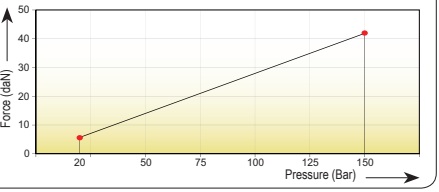
TPRF 16 x 25 YW

Model | Stroke | Color code

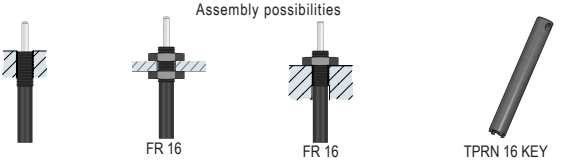
Force/stroke ratio



Initial force/charging pressure ratio



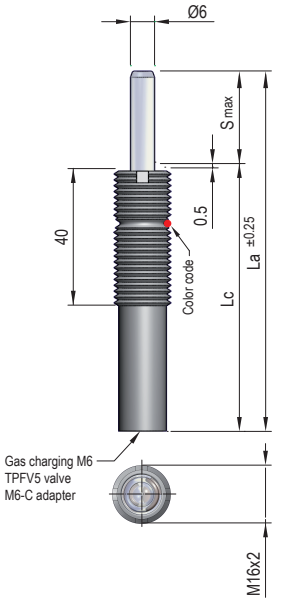
Assembly possibilities



TECAPRES®

M16x2
42daN

TPRN 16

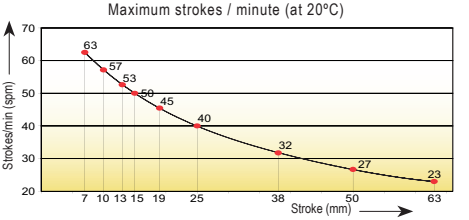


Pressure medium	Gas Nitrógeno (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	20 Bar
Rod seal area	0,28 cm²
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	0,5 m/s
Maintenance kit	Kit RN16

PED 2014/68/UE

VDI SAFETY

Maximum strokes / minute (at 20ºC)



Code	Smax mm	La mm	Lc mm	V l	Kg
TPRN 16x7	7	56	49	0,001	0,05
TPRN 16x10	10	62	52	0,001	0,06
TPRN 16x13	13	68	55	0,001	0,06
TPRN 16x15	15	72	57	0,001	0,07
TPRN 16x19	19	80	61	0,001	0,08
TPRN 16x25	25	92	67	0,002	0,08
TPRN 16x38	38	118	80	0,003	0,09
TPRN 16x50	50	142	92	0,004	0,09
TPRN 16x63	63	172	109	0,005	0,10

Color code	Fa daN	Fc daN	P Bar
GR *(Green)*	13 (±5%)	≈ 20	45
BL *(Blue)*	25 (±5%)	≈ 40	90
RD *(Red)*	38 (±5%)	≈ 60	135
YW *(Yellow)*	42 (±5%)	≈ 65	150
(Other forces)	6 - 42	≈ 10 - 65	20 - 150

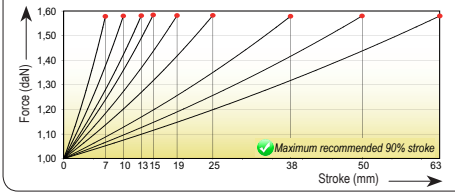
The black color code denotes a different pressure from that which the customer could choose when ordering between the minimum charging pressure (20Bar) and the maximum charging pressure (150Bar).

How to order

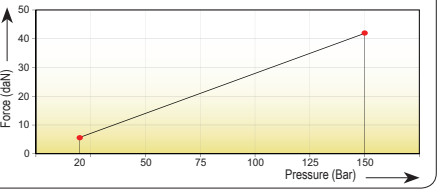
TPRN 16 x 25 YW

Model | Stroke | Color code

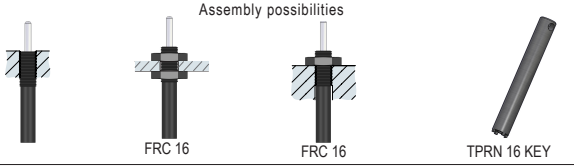
Force/stroke ratio



Initial force/charging pressure ratio



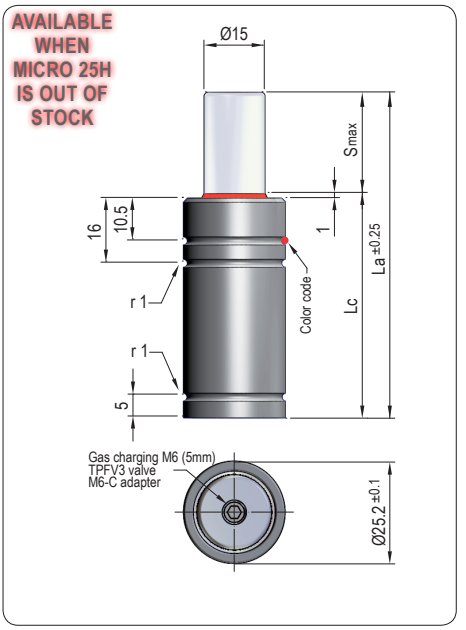
Assembly possibilities



TECAPRES®

Ø25mm
320daN

MICRO 25V



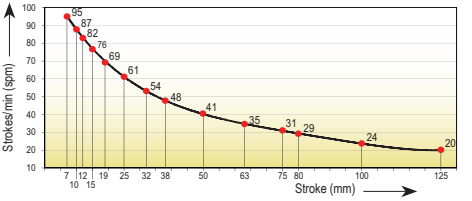
Pressure medium	Gas Nitrógeno (N_2)
Max. charging pressure	180 Bar
Min. charging pressure	30 Bar
Rod seal area	1,77 cm²
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	1,6 m/s
Maintenance kit	Kit MV25

PED 2014/68/UE

VDI SAFETY

RE-15-25

Maximum strokes / minute (at 20ºC)



Code	Smax mm	La mm	Lc mm	V l	Kg
MICRO 25Vx7	7	44	37	0,004	0,10
MICRO 25Vx10	10	50	40	0,005	0,12
MICRO 25Vx12	12	54	42	0,006	0,13
MICRO 25Vx15	15	60	45	0,007	0,14
MICRO 25Vx19	19	68	49	0,009	0,15
MICRO 25Vx25	25	80	55	0,011	0,16
MICRO 25Vx32	32	94	62	0,014	0,17
MICRO 25Vx38	38	106	68	0,016	0,19
MICRO 25Vx50	50	130	80	0,021	0,22
MICRO 25Vx63	63	156	93	0,026	0,25
MICRO 25Vx75	75	185	110	0,031	0,26
MICRO 25Vx80	80	195	115	0,033	0,27
MICRO 25Vx100	100	235	135	0,041	0,34
MICRO 25Vx125	125	285	160	0,051	0,37

Color code	Fa daN	Fc daN	P Bar
GR *(Green)*	100 (±10)	≈ 160	55
BL *(Blue)*	150 (±10)	≈ 250	85
RD *(Red)*	200 (±15)	≈ 320	110
YW *(Yellow)*	320 (±20)	≈ 525	180
(Other forces)	50 - 320	≈ 90 - 525	30 - 180

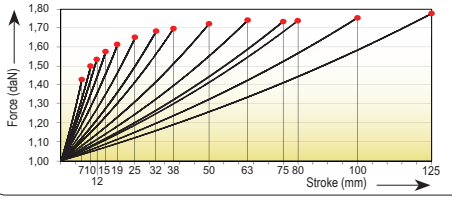
The black color code denotes a different pressure from that which the customer could choose when ordering between the minimum charging pressure (30Bar) and the maximum charging pressure (180Bar). If not otherwise specified, the gas spring will be supplied in the yellow code version.

How to order

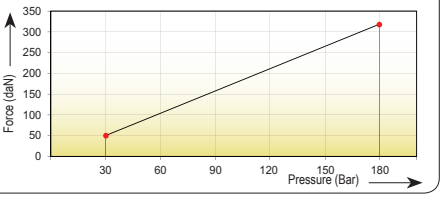
MICRO 25V x 50 RD

Model | Stroke | Color code

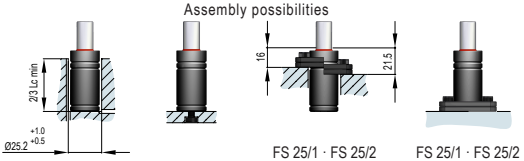
Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities

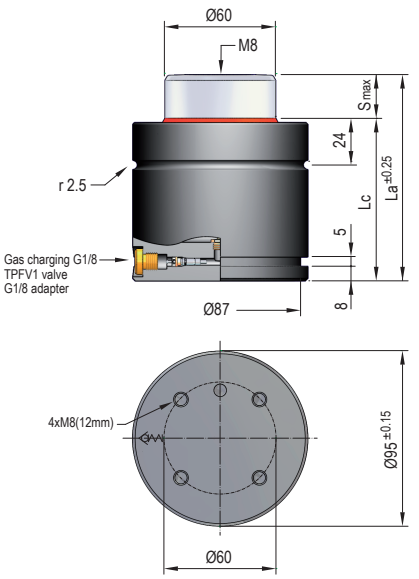


FS 25/1 · FS 25/2 FS 25/1 · FS 25/2

TECAPRES®

Ø95mm
4200daN

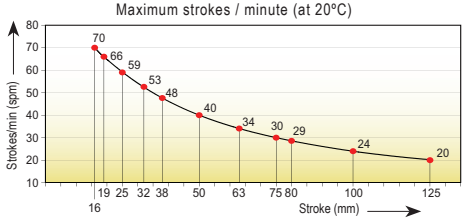
MICRO 95CF



Pressure medium	Gas Nitrógeno (N_2)
Max. charging pressure	150 Bar
Min. charging pressure	35 Bar
Rod seal area	28,27 cm²
Operating temperature	0ºC - 80ºC
Force increase by temperature	0,33 %/ºC
Max. stem speed	1,6 m/s
Maintenance kit	Kit M95CF

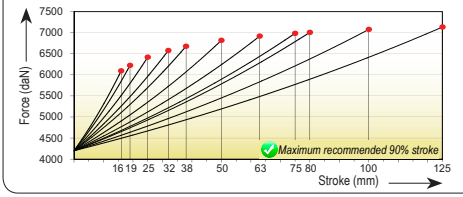
PED 2014/68/UE

Maximum strokes / minute (at 20ºC)

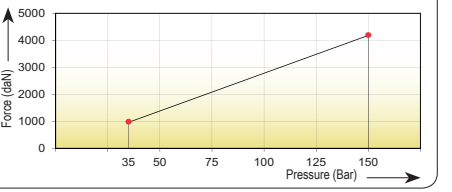


Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
MICRO 95CFx16	16	94	78	4200 ±5% (20ºC)	5890	6155	150 (20ºC)	0,146	2,80
MICRO 95CFx19	19	100	81		6000	6285		0,165	2,90
MICRO 95CFx25	25	112	87		6160	6485		0,204	3,10
MICRO 95CFx32	32	126	94		6285	6645		0,250	3,25
MICRO 95CFx38	38	138	100		6370	6745		0,290	3,70
MICRO 95CFx50	50	162	112		6480	6885		0,368	3,90
MICRO 95CFx63	63	188	125		6565	6990		0,453	4,40
MICRO 95CFx75	75	212	137		6615	7055		0,532	4,75
MICRO 95CFx80	80	222	142		6635	7075		0,565	4,90
MICRO 95CFx100	100	262	162		6690	7145		0,695	6,00
MICRO 95CFx125	125	312	187		6735	7205		0,859	6,50

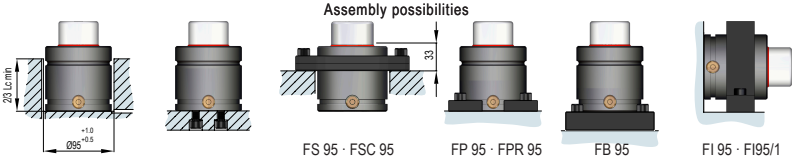
Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



FS 95 · FSC 95 FP 95 · FPR 95 FB 95 FI 95 · FI95/1