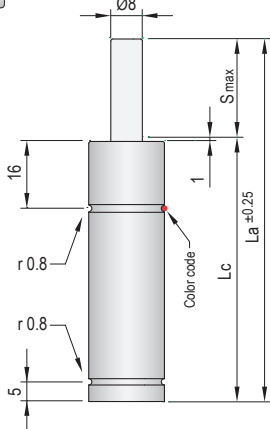


VDI SAFETY



- i**
- MICRO
- TITAN
- TPH
- TPS
- TPSP
- TPF
- TPK
- TPC**

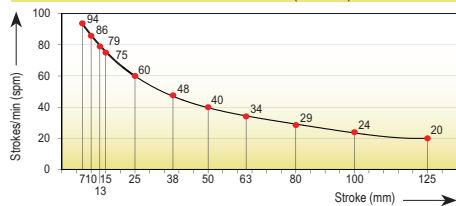


Gas charging M6(8mm)  
TPFV3 valve  
M6-C adapter

- i** Pressure medium **Nitrogen (N<sub>2</sub>)**
- Max. charging pressure **175 Bar**
- Min. charging pressure **25 Bar**
- Rod seal area **0,50 cm<sup>2</sup>**
- Operating temperature **0°C - 80°C**
- Force increase by temperature **0,33 %/°C**
- Max. stem speed **1,6 m/s**
- Maintenance kit **Kit C19.2**



Maximum strokes / minute (at 20°C)

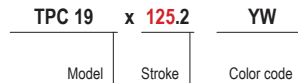


Code	Smax mm	La mm	Lc mm	V l	Kg
TPC 19x7.2	7	56	49	0,002	0,08
TPC 19x10.2	10	62	52	0,003	0,08
TPC 19x13.2	13	67,4	54,4	0,003	0,08
TPC 19x15.2	15	72	57	0,004	0,09
TPC 19x25.2	25	92	67	0,006	0,10
TPC 19x38.2	38,1	118,2	80,1	0,008	0,12
TPC 19x50.2	50	142	92	0,011	0,13
TPC 19x63A.2	63	168	105	0,013	0,15
TPC 19x63.2	63	172	109	0,014	0,15
TPC 19x80A.2	80	202	122	0,016	0,16
TPC 19x80.2	80	205	125	0,017	0,17
TPC 19x100.2	100	245	145	0,021	0,18
TPC 19x125.2	125	295	170	0,026	0,21

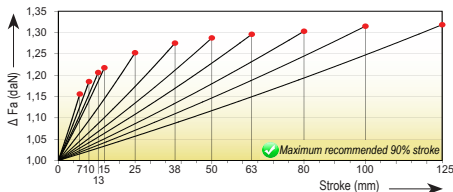
Color code	Fa daN	90% F daN	P Bar
GR (Green)	30 (±5%)	≈ 38	60
BL (Blue)	50 (±5%)	≈ 63	100
RD (Red)	70 (±5%)	≈ 88	140
YW (Yellow)	90 (±5%)	≈ 109	175
(Other forces)	13 - 90	≈ 16 - 109	25 - 175

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

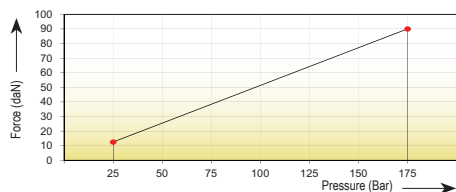
How to order



Force/stroke ratio



Initial force/charging pressure ratio



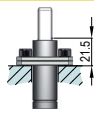
Assembly possibilities



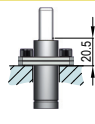
DROP-IN



SCREWS



FS19-FS19/2



FS19/1



FS19-FS19/2