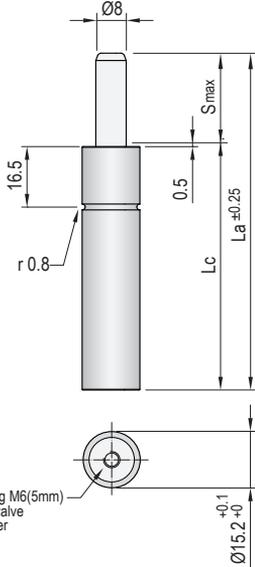


VDI SAFETY



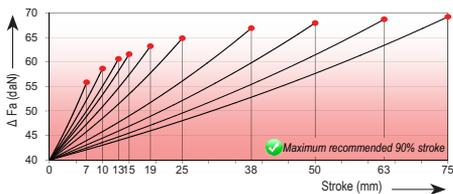
Pressure medium	Nitrogen (N ₂)
Max. charging pressure	80 Bar
Min. charging pressure	20 Bar
Rod seal area	0,50 cm ²
Operating temperature	0°C - 120°C
Force increase by temperature	0,33 %/°C
Max. stem speed	0,5 m/s
Maintenance kit	Kit HT15
Max. strokes / min	10-15 spm
Life service	300.000 + 500.000 strokes



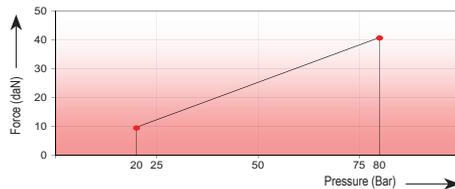
- MICRO
- TITAN
- TPH
- TPS
- TPSP
- TPF
- TPK
- TPC
- TPR
- TPB
- TPHC
- TPA
- TPG
- TPCT
- TPSL
- STOP CYLINDER
- STOP CYLINDER
- TPSR
- TPSRS
- TPNS
- TPHT

Code	Smax mm	La mm	Lc mm	Fa daN	90% F daN	100% Fc daN	P Bar	V l	Kg
TPHT 15x7	7	56	49	40 ±5% (20°C)	55	55	80 (20°C)	0,001	0,07
TPHT 15x10	10	62	52		55	60		0,002	0,07
TPHT 15x13	13	68	55		60	60		0,002	0,08
TPHT 15x15	15	72	57		60	60		0,002	0,08
TPHT 15x19	19	80	61		60	65		0,003	0,09
TPHT 15x25	25	92	67		60	65		0,003	0,09
TPHT 15x38	38	118	80		65	65		0,005	0,10
TPHT 15x50	50	142	92		65	70		0,006	0,11
TPHT 15x63	63	172	109		65	70		0,008	0,12
TPHT 15x75	75	195	120		65	70		0,009	0,14

Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



Follow guidelines
Page 287



DROP-IN



SCREWS



FS 15