



VDI SAFETY



MICRO

TITAN

TPH

TPS

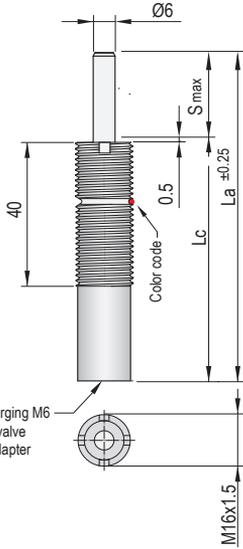
TPSP

TPF

TPK

TPC

TPR

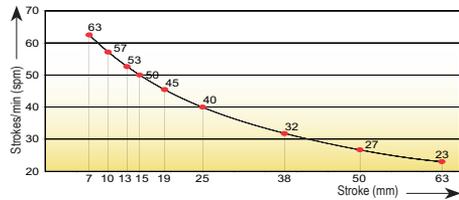


i Pressure medium **Nitrogen (N₂)**

| | |
|-------------------------------|----------------------|
| Max. charging pressure | 150 Bar |
| Min. charging pressure | 20 Bar |
| Rod seal area | 0,28 cm ² |
| Operating temperature | 0°C - 80°C |
| Force increase by temperature | 0,33 %/°C |
| Max. stem speed | 0,5 m/s |
| Maintenance kit | Kit RF16 |



Maximum strokes / minute (at 20°C)



| Code | Smax mm | La mm | Lc mm | V I | 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

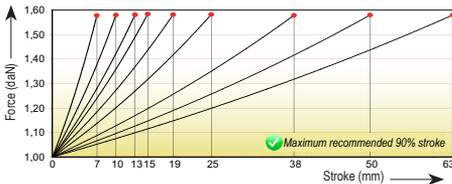
TPRF 16 x 25 YW

Model

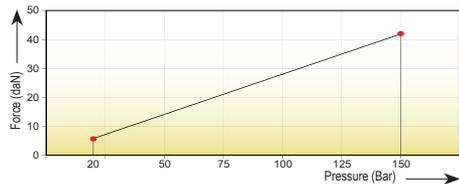
Stroke

Force

Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



Follow guidelines
Page 287



THREADED



FR 16



FR 16



TPRN KEY