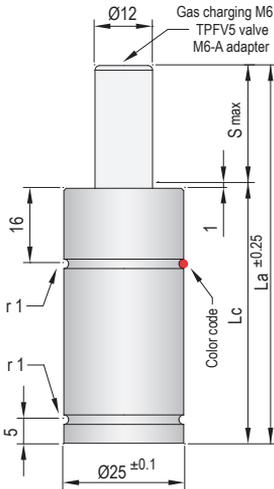




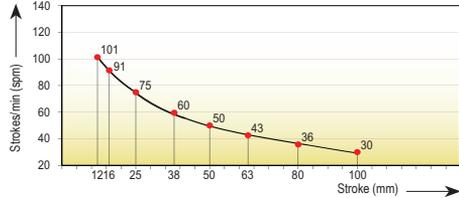
VDI SAFETY



| | |
|-------------------------------|----------------------------|
| 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 KN25.1 |



Maximum strokes / minute (at 20°C)

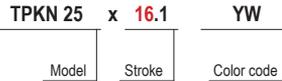


| Code | Smax mm | La mm | Lc mm | V l | Kg |
|---------------|---------|-------|-------|-------|------|
| TPKN 25x12.1 | 12 | 56 | 44 | 0,005 | 0,12 |
| TPKN 25x16.1 | 16 | 64 | 48 | 0,006 | 0,13 |
| TPKN 25x25.1 | 25 | 82 | 57 | 0,009 | 0,15 |
| TPKN 25x38.1 | 38 | 108 | 70 | 0,014 | 0,17 |
| TPKN 25x50.1 | 50 | 132 | 82 | 0,018 | 0,19 |
| TPKN 25x63.1 | 63 | 158 | 95 | 0,023 | 0,21 |
| TPKN 25x80.1 | 80 | 192 | 112 | 0,029 | 0,24 |
| TPKN 25x100.1 | 100 | 232 | 132 | 0,036 | 0,27 |

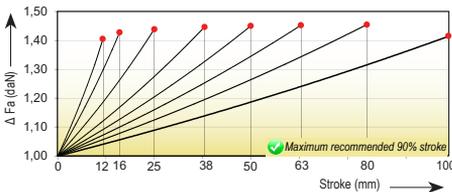
| Color code | Fa daN | 90% F daN | P Bar |
|----------------|-----------|------------|----------|
| GR (Green) | 50 (±5) | ≈ 70 | 45 |
| BL (Blue) | 100 (±10) | ≈ 140 | 90 |
| RD (Red) | 150 (±15) | ≈ 210 | 135 |
| YW (Yellow) | 200 (±20) | ≈ 270 | 175 |
| (Other forces) | 28 - 200 | ≈ 40 - 270 | 25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

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 code version (YW).

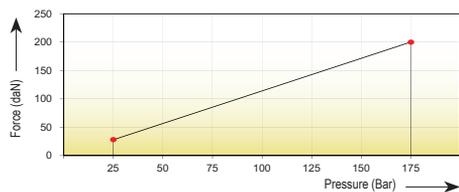
How to order



Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



Follow guidelines
Page 287



DROP-IN



FS 25/1-FS 2/2



FS 25/1-FS 2/2

TPK

TPC

TPR

TPB

TPHC

TPA

TPG

TPCT

TPSL

STOP CYLINDER

STOP CYLINDER

TPSR

TPSR5

TPNS

TPHT

