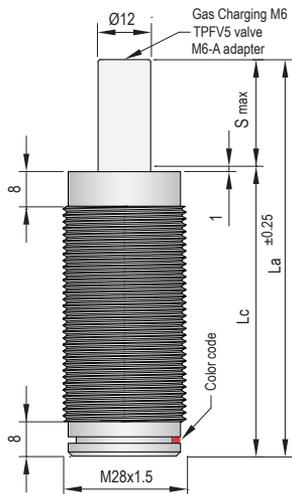
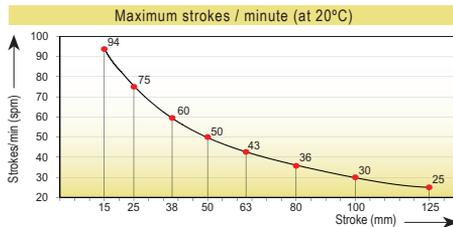


VDI SAFETY



<b>i</b> Pressure medium	Nitrogen (N <sub>2</sub> )
Max. charging pressure	175 Bar
Min. charging pressure	25 Bar
Rod seal area	1,13 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 R28.1



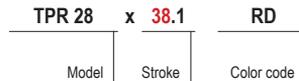
- TPR
- TPB
- TPHC
- TPA
- TPG
- TPCT
- TPSL
- STOP CYLINDER
- STOP CYLINDER
- TPSR
- TPSR5
- TPNS
- TPHT

Code	Smax mm	La mm	Lc mm	V l	Kg
TPR 28x15.1	15	72	57	0,006	0,15
TPR 28x25.1	25	92	67	0,010	0,17
TPR 28x38.1	38	118	80	0,014	0,20
TPR 28x50.1	50	142	92	0,019	0,22
TPR 28x63.1	63	172	109	0,024	0,25
TPR 28x80.1	80	205	125	0,030	0,30
TPR 28x100.1	100	242	142	0,037	0,35
TPR 28x125.1	125	292	167	0,046	0,38

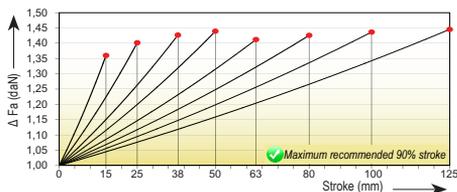
Color code	Fa daN	90% F daN	P Bar
GR (Green)	50 (±5)	≈ 70	45
BL (Blue)	100 (±10)	≈ 140	90
RD (Red)	150 (±15)	≈ 210	135
YW (Yellow)	200 (±20)	≈ 270	175
(Other forces)	28 - 200	≈ 40 - 270	25 - 175

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).

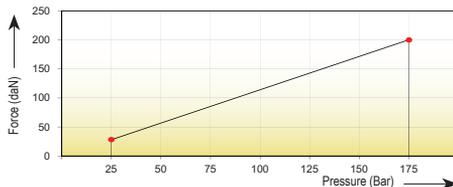
How to order



Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



Follow guidelines  
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FR 28



FR 28

- TPR
- TPB
- TPHC
- TPA
- TPG
- TPCT
- TPSL
- STOP CYLINDER
- STOP CYLINDER
- TPSR
- TPSR5
- TPNS
- TPHT
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