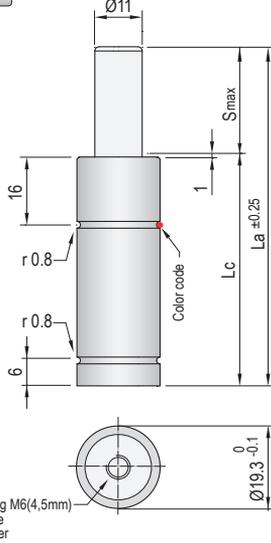


VDI SAFETY



Pressure medium	Nitrogen (N ₂)
Max. charging pressure	175 Bar
Min. charging pressure	25 Bar
Rod seal area	0,95 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 M19V1



VDI 3003



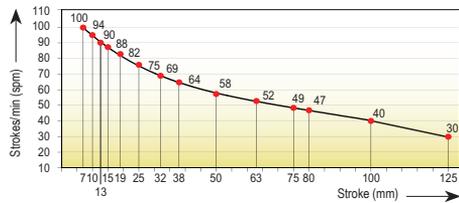
ISO T1901



RE-11-19



Maximum strokes / minute (at 20°C)



Code	Smax mm	La mm	Lc mm	V l	Kg
MICRO 19V1x7	7	44	37	0,002	0,07
MICRO 19V1x10	10	50	40	0,002	0,07
MICRO 19V1x13	13	56	43	0,003	0,08
MICRO 19V1x15	15	60	45	0,004	0,08
MICRO 19V1x19	19	68	49	0,005	0,09
MICRO 19V1x25	25	80	55	0,006	0,09
MICRO 19V1x32	32	94	62	0,007	0,10
MICRO 19V1x38	38	106	68	0,008	0,11
MICRO 19V1x50	50	130	80	0,011	0,12
MICRO 19V1x63	63	156	93	0,014	0,13
MICRO 19V1x75	75	185	110	0,017	0,13
MICRO 19V1x80	80	195	115	0,018	0,14
MICRO 19V1x100	100	235	135	0,022	0,15
MICRO 19V1x125	125	285	160	0,027	0,16

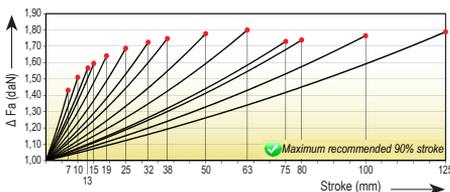
Color code	Fa daN	90% F daN	P Bar
GR (Green)	60 (±5)	≈ 100	63
BL (Blue)	90 (±5)	≈ 150	95
RD (Red)	120 (±10)	≈ 200	125
YW (Yellow)	170 (±10)	≈ 280	175
(Other forces)	24 - 170	≈ 40 - 280	25 - 175

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).

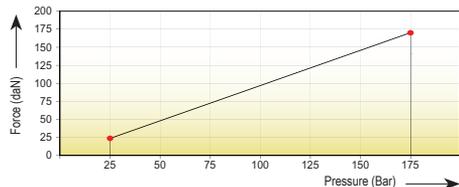
How to order

MICRO 19V1 x	75	GR
Model	Stroke	Color code

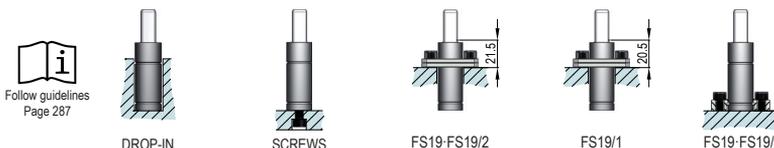
Force/stroke ratio



Initial force/charging pressure ratio



Assembly possibilities



MICRO

TITAN

TPH

TPS

TPSP

TPF

TPK

TPC

TPR

TPB

TPHC

TPA

TPG

TPCT

TPSL

STOP CYLINDER

STOP CYLINDER

TPSR

TPSRS

TPNS

TPHT

