

# Gas spring, small dimension and low force

## Description:

The gas springs are colour-coded according to the spring force rating ranges 50–100–150–200 daN.

All springs, regardless of their spring force ratings, are of the same design. The differing force ratings result exclusively from the differing charge pressures.

Do take into consideration the colour-coded pressure rating during repair work and recharging.

## Note:

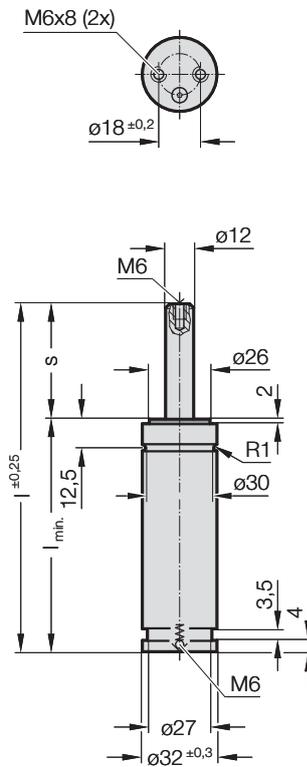
Order No for spare parts kit: 2480.15.00150 (Stroke length 10 and 13 not repairable)

Pressure medium: Nitrogen N<sub>2</sub>  
 Max. filling pressure: 180 bar  
 Min. filling pressure: 20 bar  
 Working temperature: 0°C to +80°C  
 Temperature related force increase: ± 0.3%/°C  
 Max. recommended extensions per minute: approx. 80 to 100 (at 20°C)  
 Max. piston rod speed: 1.8 m/s

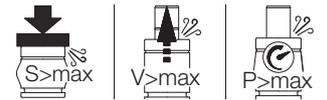
Spring forces as per spring diagram.

Upon customers request, also available unfilled, Order No 2480.25.000000....., Colour: black

## 2480.25.



**PED** 2014/68/EU | **VDI** | **ISO**



## 2480.25. Gas spring, small dimension and low force

Order No*	s (Stroke <sub>max</sub> )	l	l <sub>min</sub>	Gas volume [l]	Weight [kg]
2480.25.□□□□□.010	10	70	60	0.01	0.26
2480.25.□□□□□.013	12.7	75.4	62.7	0.011	0.26
2480.25.□□□□□.016	16	82	66	0.013	0.27
2480.25.□□□□□.025	25	100	75	0.018	0.3
2480.25.□□□□□.038	38	126	88	0.025	0.33
2480.25.□□□□□.050	50	150	100	0.032	0.37
2480.25.□□□□□.063	63.5	177	113.5	0.04	0.41
2480.25.□□□□□.080	80	210	130	0.049	0.45
2480.25.□□□□□.100	100	250	150	0.06	0.51
2480.25.□□□□□.125	125	300	175	0.073	0.59

\*complete with initial spring force

Spring force marking:

Initial spring force [daN] - Pressure [bar] - Colour:

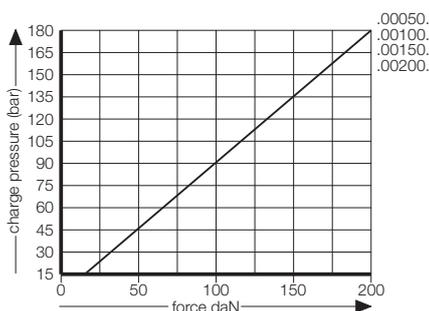
.00050. - 45 - green

.00100. - 90 - blue

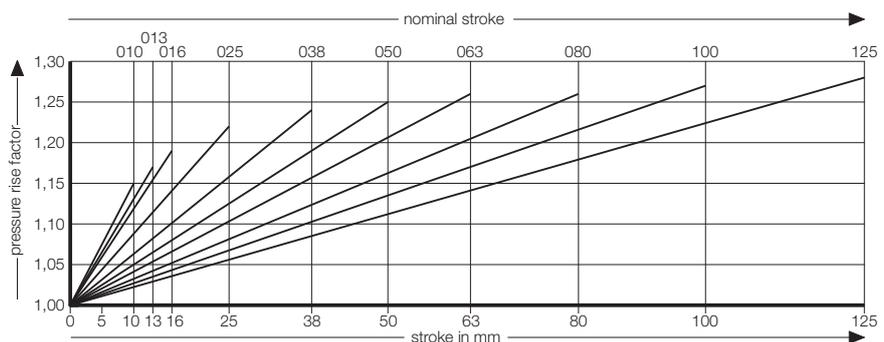
.00150. - 135 - red

.00200. - 180 - yellow

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!