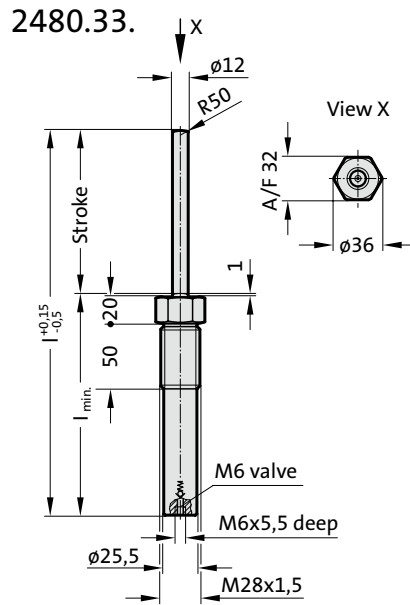


# GAS SPRING WITH HEXAGONAL FLANGE



## Description:

The gas springs are colour-coded according to the spring force rating ranges 15–50–100–150–200 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:

Other stroke lengths avail on request! See gas spring 2480.32.

Order No for spare parts kit: 2480.21.00150

Pressure medium: Nitrogen  $N_2$

Max. filling pressure: 180 bar

Min. filling pressure: 13 bar

Working temperature:  $0^{\circ}C$  to  $+80^{\circ}C$

Temperature related force increase:  $\pm 0.3\%/^{\circ}C$

Max. recommended extensions per minute: approx. 80 to 100 (at  $20^{\circ}C$ )

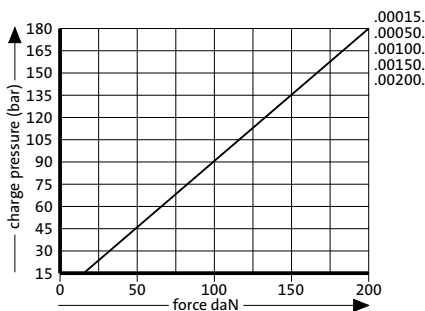
Max. piston speed: 1.6 m/s



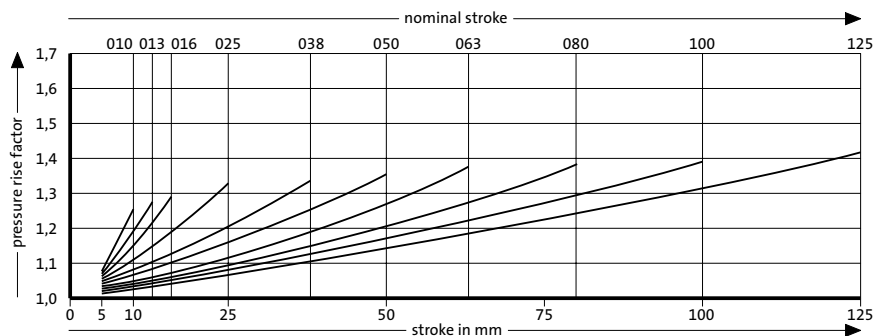
## 2480.33. Gas spring with hexagonal flange

Order No	Stroke <sub>max.</sub> (s)	l <sub>min.</sub>	l	Spring force [daN]		Colour
				initial		
2480.33.00015.125	125	167	292	15		black
2480.33.00050.125	125	167	292	50		green
2480.33.00100.125	125	167	292	100		blue
2480.33.00150.125	125	167	292	150		red
2480.33.00200.125	125	167	292	200		yellow

Initial spring force versus charge pressure



Spring force Diagram displacement versus stroke rise



Pressure rise factor accounts for displacement but not external influences!