



# Gas Springs Small Dimensions (Ø12) Low Forces



Technical features  
Safety piston rod  
Overpressure protection  
Interconnectable



Order No. 2.5506.00.1205.01000

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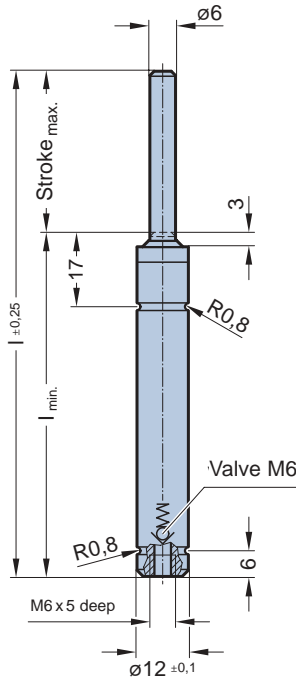
# Gas Springs small dimensions (Ø12) low forces



2482.72.



## Gas spring 2482.72.



- These gas springs are color coded to identify different force ratings: 13, 25, 38 and 50 daN. The springs are all the same design, the different force ratings being achieved by different gas pressures.
- The design combines the unique safety features of FIBRO gas springs: overpressure protection and the safety piston rod.
- These gas springs provide a variety of mounting options: upper retaining ring groove, lower attachment groove and threaded bores in the base.
- The 2482.72. gas springs have an M6 gas connector in the base for interconnecting.

Model	Spring force in daN at 20° C			Filling pressure [bar]	Colour
	Start	End at max. stroke			
2482.72.00013.	13	18		45	green
2482.72.00025.	25	36		90	blue
2482.72.00038.	38	54		135	red
2482.72.00050.	50	73		180	yellow
2482.72.00000.	6-50	8.4-73		20-180	black

Stroke	7	10	12,7	15	19	25	38	50	63,5	75	80	100	125
$l_{\pm 0,25}$	56	62	67,4	72	80	92	118	142	172	195	205	245	295
$l_{min.}$	49	52	54,7	57	61	67	80	92	108,5	120	125	145	170

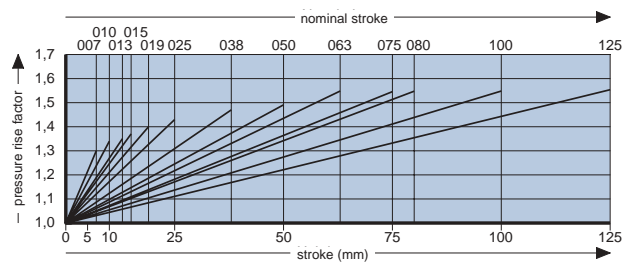
### Technical features

- Safety piston rod ✓
- Overpressure protection ✓
- Interconnectable ✓

### Ordering Code (example):

Gas spring	=	2482.72.
Spring force 25 daN (blue)	=	00025.
Stroke = 50mm	=	050
Order no.	=	2482.72.00025.050

### Spring force Diagram displacement versus pressure rise



### Technical specifications:

Pressure medium:	Nitrogen - N <sub>2</sub>
Max. filling pressure:	180 bar (at 20° C)
Min. filling pressure:	20 bar (at 20° C)
Working temperature:	0° C to +80° C
Temperature related force increase:	±0,3% / ° C
Strokes / minute:	ca. 40 - 100 (at 20° C)
Piston speed:	1.6 m/s max.
Spares kit:	n.a. (sealed for life)
Piston rod:	nitrided
Cylinder:	burnished

For further details see chapter F of the main FIBRO Catalogue

### Mounting examples:

