

# Gas spring (Spring plunger), with hexagon socket

## Description:

Spring plungers are used as ejectors, damper pins, fixing and retaining pins in many sectors of the tool-, jig- and fixture-making industries. Assembly requires the use of special FIBRO insertion tool (2470.12.010.017).

## Note:

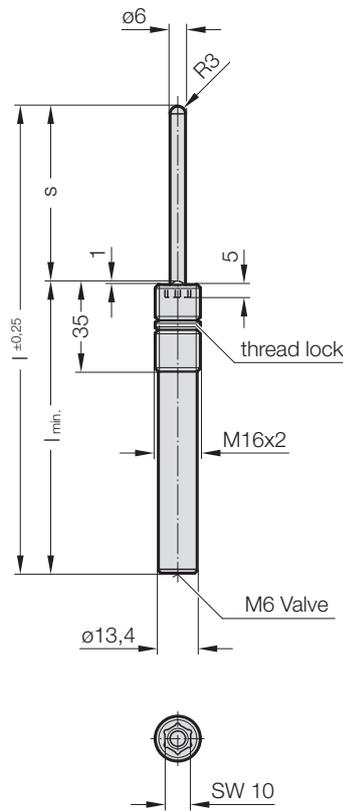
Worn gas springs cannot be repaired, they have to be replaced completely.

Pressure medium: Nitrogen - N<sub>2</sub>  
 Max. filling pressure: 150 bar  
 Min. filling pressure: 10 bar  
 Working temperature: 0°C to +80°C  
 Temperature related force increase: ± 0.3%/°C  
 Max. recommended extensions per minute: approx. 50 - 100 (at 20°C)  
 Max. piston rod speed: 1.8 m/s

Upon customers request, also available unfilled, Order No 2479.041.00000....., Colour: black

<sup>2)</sup> Hexagon nut order supplementary: 2479.004.016.20 (M16 x 2)

2479.041.



## 2479.041. Gas spring (Spring plunger), with hexagon socket

Spring type:

Order No*	s (Stroke max.)	l	l <sub>min.</sub>	.00004.		.00005.		.00010.		.00020.		.00040.		Weight [kg]
				F <sub>initial</sub> [daN]	F <sub>final</sub> [daN]									
2479.041.□□□□□.010	10	65	55	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.05
2479.041.□□□□□.020	20	85	65	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.06
2479.041.□□□□□.030	30	105	75	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.07
2479.041.□□□□□.040	40	125	85	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.07
2479.041.□□□□□.050	50	145	95	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.08
2479.041.□□□□□.060	60	165	105	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.08
2479.041.□□□□□.070	70	185	115	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.09
2479.041.□□□□□.080	80	205	125	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.1
2479.041.□□□□□.100	100	245	145	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.11
2479.041.□□□□□.125	125	295	170	4	6.3	6	9.4	11	17.3	21	33	42	65.9	0.12

\*complete with spring type

Spring force marking:

Spring type - Pressure [bar] - Colour:

- .00004. - 12 - violet
- .00005. - 20 - green
- .00010. - 40 - blue
- .00020. - 75 - red
- .00040. - 150 - yellow

