

## Damping in any position...

### Individual damping with the dynamic groove inside the cylinder

By using a groove inside the cylinder, the damping characteristics of this gas spring specification can be adapted individually to the customers' requirements.

Here, the damping is not realized by an orifice as for usual gas springs but by the groove inside the cylinder. This offers many advantages: Damping is effective in any position, it doesn't matter if the installation of the gas spring is in horizontal position or with the piston rod showing upwards - the damping characteristic is always the same.

The damping intensity and characteristic can be adjusted more precisely according to the customers' requirements. A very smooth passing into damping is possible and protects the construction additionally.

The groove will be designed so that the damping characteristic will meet the customer's individual requirements.

- End damping is guaranteed in any position (horizontally or with the piston rod showing upwards)
- Individual damping characteristic is possible for the complete stroke

In order to be able to design the corresponding groove, we require detailed information about the application as well as the requested function of the gas spring

#### Please contact us!

Connecting parts piston rod	Connecting parts cylinder	Model	Push-out speed Damping	Diameter	Stroke	Extended length (EL1)	Index	Extension force F1 (N)
see main catalogue	see main catalogue	G	<b>Damping, extension</b> 4= normal, normal end damping 5= normal, strong end damping 7= slow, normal end damping 8= slow, strong end damping 9= other variations	6=6/15	40-150	2x stroke +30	* With the index no. – only necessary for repeating orders – we can reproduce exactly the same gas spring which has already been produced. You will receive the index no. with the order confirmation/ invoice.	30-400
				C=6/19	40-150	2x stroke +42		30-400
				D=6/22	40-150	2x stroke +43		30-400
				0=8/19	60-300	2x stroke +48		30-700
				1=8/22	60-300	2x stroke +48		30-700
				2=10/22	60-800	2x stroke +47		50-1300
			<b>Damping on both sides</b> O= normal, normal end damping P= normal, strong end damping R= slow, normal end damping S= slow, strong end damping T= other variations	6=6/15	80-150	2x stroke + 55		30-400
				C=6/19	80-150	2x stroke + 68		30-400
				D=6/22	80-150	2x stroke + 69		30-400
				0=8/19	120-300	2x stroke + 74		30-700
				1=8/22	120-300	2x stroke + 70		30-700
				2=10/22	120-800	2x stroke + 70		50-1300

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