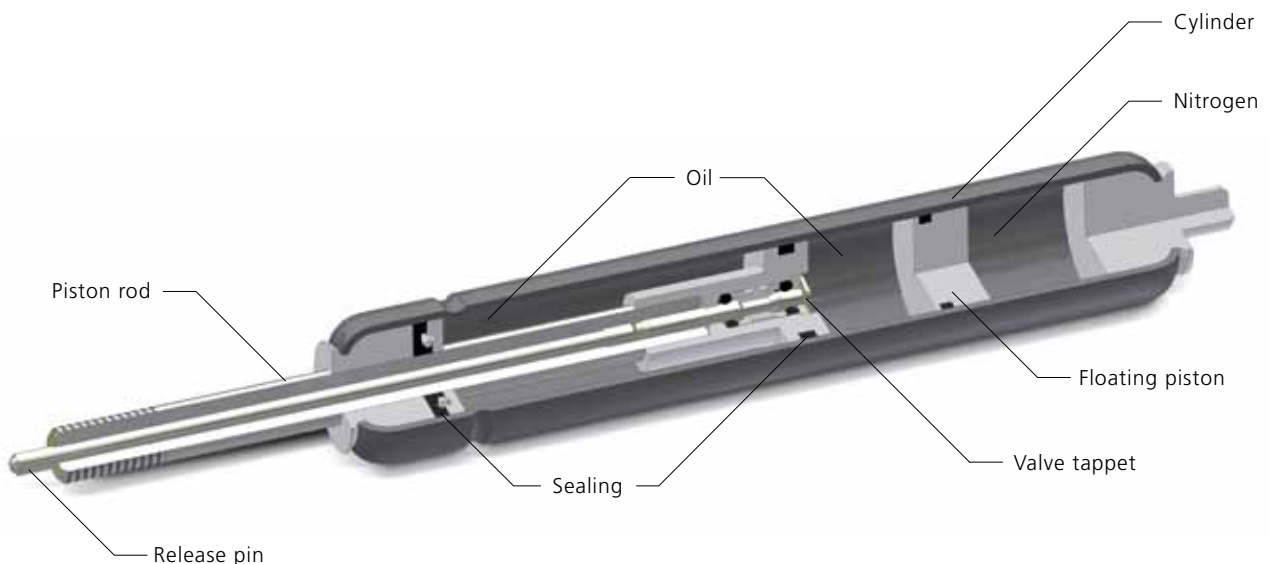


HAHN locking gas springs can be locked steplessly along the complete stroke. Furniture, vehicle seats, flaps, etc. can be locked in the desired position and readjusted.

- ▶ When the release is actuated, the piston valve opens. In the elastic locking gas springs it is nitrogen, in the rigid locking gas springs it is oil that flows through the piston, and the piston rod is extended or can be pushed in. When the release is actuated, the valve in the gas spring closes automatically, and the piston rod is locked in the desired position. HAHN Gasfedern adjusts the locking type exactly to the individual circumstances. The customers can choose between elastic locking, rigid locking, absolutely rigid locking, free-moving locking and locking in both directions.

HAHN locking gas springs are available in steel, in AISI 303/304 and in AISI 316L/316Ti.



Locking gas springs

Elastic locking gas springs

Type	Ø Rod	Ø Cylinder	Stroke	Standard length	Extension force	Progression
F 06-19	6 mm	19 mm	40 - 150 mm	2.4 x stroke + 70	60 - 400 N	15 %
F 10-23	10 mm	23 mm	20 - 400 mm	2 x stroke + 90	150 - 1200 N	35 %
F 10-28	10 mm	28 mm	20 - 400 mm	2 x stroke + 90	150 - 1200 N	25 %
F 10-40	10 mm	40 mm	20 - 400 mm	2 x stroke + 90	200 - 1200 N	15 %
F 14-40	14 mm	40 mm	20 - 500 mm	2 x stroke + 100	250 - 2500 N	33 %

Rigid locking gas springs

Type	Ø Rod	Ø Cylinder	Stroke	Standard length	Extension force	Progression
S 06-19	6 mm	19 mm	30 - 150 mm	2.4 x stroke + 65	60 - 400 N	35 %
S 08-23	8 mm	23 mm	60 - 300 mm	2,54 x stroke + 77	60 - 700 N	30 %
S 10-23	10 mm	23 mm	20 - 400 mm	2.5 x stroke + 90	150 - 1200 N	50 %
S 10-28	10 mm	28 mm	20 - 400 mm	2.4 x stroke + 80	180 - 1200 N	45 %
S 10-40	10 mm	40 mm	20 - 400 mm	2.2 x stroke + 100	250 - 1200 N	33 %
S 14-40	14 mm	40 mm	20 - 500 mm	2.4 x stroke + 95	300 - 2500 N	20 %

Absolut (on compression) rigid locking gas springs

Type	Ø Rod	Ø Cylinder	Stroke	Standard length	Extension force	Progression
X 10-23	10 mm	23 mm	20 - 400 mm	2.6 x stroke + 80	50 - 1000 N	50 %
X 10-28	10 mm	28 mm	20 - 400 mm	2.6 x stroke + 80	250 - 1000 N	45 %
X 10-40	10 mm	40 mm	20 - 400 mm	2.4 x stroke + 84	150 - 1200 N	50 %
X 14-40	14 mm	40 mm	20 - 500 mm	3.7 x stroke + 84	60 - 1200 N	50 %

Free-moving locking gas springs

Type	Ø Rod	Ø Cylinder	Stroke	Standard length	Extension force	Progression
SL 10-28	10 mm	28 mm	20 - 400 mm	2.4 x stroke + 80	80 - 1200 N	25 %

Double locking (on compression + extension) gas springs

Type	Ø Rod	Ø Cylinder	Stroke	Standard length	Extension force	Progression
SX 10-23	*	*	*	*	*	*
SX 10-28	*	*	*	*	*	*

* Technical design on request

For additional product details, see Internet: www.hahn-gasfedern.de

Thread rod	Thread cylinder	Locking force tension	Locking force compression	Release way	Extras	Steel	AISI 303/304	AISI 316L/316Ti
M 6 x 0.75	M 8	-	-	2 - 4 mm	4, 5	•	•	o. r.
M 10 x 1	M 8	-	-	2 - 4 mm	3, 4, 5, 6, 9	•	•	o. r.
M 10 x 1	M 8	-	-	2 - 4 mm	3, 4, 5, 6, 9, B3	•	•	o. r.
M 10 x 1	M 10	-	-	2 - 4 mm	3, 4, 6	•	•	o. r.
M 14 x 1.5	M 14 x 1.5	-	-	2 - 4 mm	1, 2, 4, 6	•	-	-

Thread rod	Thread cylinder	Locking force tension	Locking force compression	Release way	Extras	Steel	AISI 303/304	AISI 316L/316Ti
M 6 x 0.75	M 8	3 x F1	2 x F1	2 - 4 mm	5	•	•	o. r.
M 8	M 8	5000 N	1000 N	2 - 4 mm	5	•	-	-
M 10 x 1	M 8	max. 3000 N	4 x F1	2 - 4 mm	3, 4, 5, 6, 9	•	•	o. r.
M 10 x 1	M 8	max. 3000 N	5.5 x F1	2 - 4 mm	3, 4, 5, 6, 9	•	•	o. r.
M 10 x 1	M 10	5 x F1	10 x F1	2 - 4 mm	3, 4, 6	•	•	o. r.
M 14 x 1.5	M 14 x 1.5	2 x F1	5 x F1	2 - 4 mm	1, 2, 4, 6	•	-	-

Thread rod	Thread cylinder	Locking force tension	Locking force compression	Release way	Extras	Steel	AISI 303/304	AISI 316L/316Ti
M 10 x 1	M 8	2 x F1	5 x F1, max. 10000 N	2 - 4 mm	3, 6	•	•	o. r.
M 10 x 1	M 8	2 x F1	5 x F1, max. 10000 N	2 - 4 mm	3, 6, 9	•	•	o. r.
M 10 x 1	M 10	12 x F1	10000 N	2 - 4 mm	3, 6	•	•	o. r.
M 14 x 1.5	M 14 x 1.5	5.6 x F1	10000 N	2 - 4 mm	6	•	-	-

Thread rod	Thread cylinder	Locking force tension	Locking force compression	Release way	Extras	Steel	AISI 303/304	AISI 316L/316Ti
M 10 x 1	M 8	max. 3000 N	5.5 x F1	2 - 4 mm	3, 6, 9	•	•	o. r.

Thread rod	Thread cylinder	Locking force tension	Locking force compression	Release way	Extras	Steel	AISI 303/304	AISI 316L/316Ti
*	*	*	*	*	*	*	*	*
*	*	*	*	*	*	*	*	*