

# Gas springs SZ 7080.1.

extra heavy load

**STEINEL**  
NORMALIEN



### Explanation:

Steinel gas springs **SZ 7080.1.** can be filled using standard nitrogen gas cylinders. Nitrogen gas is a safe, inert gas.

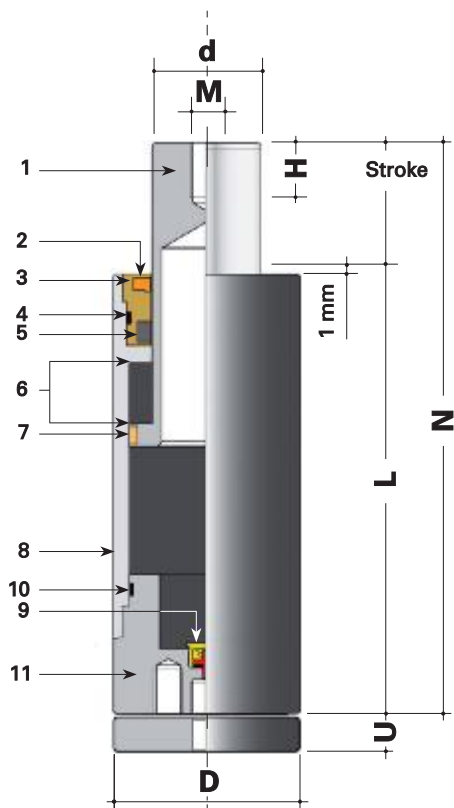
### Special features

- Each gas springs forms a functional closed unit  
**(compact unit)**
- Strong forces in a small space
- Easy to install
- No spring breakage
- Recommended stroke reserve 10%
- No mechanical pre-tension is necessary
- **Easy to use**
- Cylinders with diameters from  $D=50$  mm have a sealing plug on the side and are suitable for the multiple-cylinder system

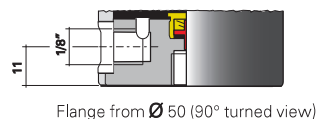
**Order example:** Gas spring **SZ 7080.1.** with a diameter of 50 mm and a stroke of 100 mm.

Add **050 x 100**

Order number **SZ 7080.1.050 x 100**



- 1 Piston rod
- 2 Oil and dirt scraper
- 3 DS holder
- 4 O-ring
- 5 Gas seal
- 6 Mechanical stop
- 7 Piston ring
- 8 Casing
- 9 High-performance valve
- 10 O-ring
- 11 Base flange








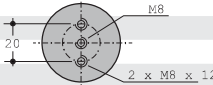
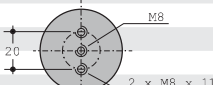
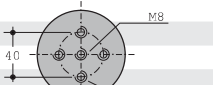



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Add  
size to order number

D	Stroke	L	N	U	N+U	d	M	H				Cylinder attachment	
mm	mm	mm	mm	mm	mm	mm	mm	mm	bar	daN	daN		
19	10	70	80			10	M 5	7	191	150	240		019 x 010
	15	75	90										019 x 015
	25	85	110										019 x 025
	50	110	160										019 x 050
	80	140	220										019 x 080
25	10	70	80			14	M 6	8	195	300	480		025 x 010
	15	75	90										025 x 015
	25	85	110										025 x 025
	50	110	160										025 x 050
	80	140	220										025 x 080
32	10	60	70			18	M 8	12	196	500	800		032 x 010
	15	65	80										032 x 015
	25	75	100										032 x 025
	50	100	150										032 x 050
	80	130	210										032 x 080
38	10	65	75			22	M 8	12	197	750	1200		038 x 010
	15	70	85										038 x 015
	25	80	105										038 x 025
	50	105	155										038 x 050
	80	135**	215	5	220								038 x 080
50	25	110	135			30	M 8	12	212	1500	2400		050 x 025
	50	135	185										050 x 050
	80	165	245										050 x 080
	100	185**	285	10	295								050 x 100
	125*	210**	335	10	345								050 x 125
	160*	255	415										050 x 160
	200*	295	495										050 x 200
63	25	110	135			36	M 8	12	196	2000	3200		063 x 025
	50	135	185										063 x 050
	80	165	245										063 x 080
	100	180**	280	5	285								063 x 100
	125*	220	345										063 x 125
	160*	255	415										063 x 160
	200*	295	495										063 x 200
75	25	100**	125	20	145	45	M 8	12	189	3000	4800		075 x 025
	50	125**	175	20	195								075 x 050
	80	155**	235	20	255								075 x 080
	100	175**	275	25	300								075 x 100
	125*	220**	345	5	350								075 x 125
	160*	265	425										075 x 160
	200*	310	510										075 x 200
95	25	110**	135	20	155	58	M 8	12	189	5000	8000		095 x 025
	50	135**	185	20	205								095 x 050
	80	175**	255	15	270								095 x 080
	100	205**	305	5	310								095 x 100
	125*	240**	365	5	370								095 x 125
	160*	280	440										095 x 160
	200*	330	530										095 x 200

\* Cylinders with stroke lengths from 125 mm to 200 mm, delivery time on request

\*\* New, shorter design height; suitable washer will be included with repair or replacement deliveries

Stroke 38 and 63 on request