

Nitrogen systems

- Nitrogen cylinders
- Composite tube systems
- Composite plate systems
- Manifold plate systems



Tapping
units

Module
system

Machine
elements

Accessories

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Tapping
units

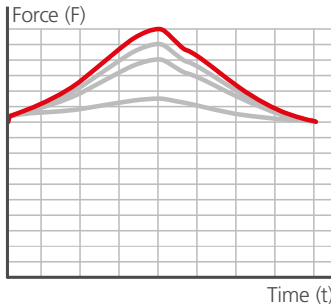
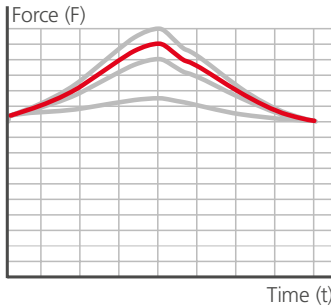
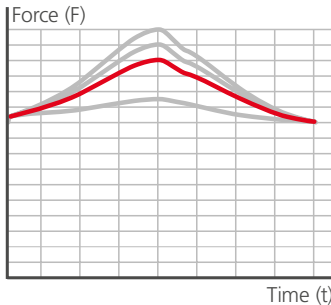
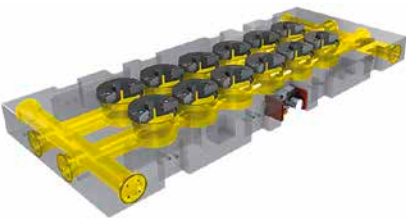
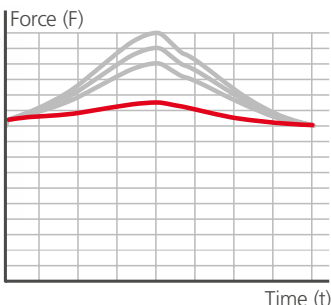
Module
system

Machine
elements

Accessories

Overview

Nitrogen systems are heavy-duty and flexible alternatives to mechanical spring elements. They provide optimal solutions for complex projects with various compressive forces and the same spring force. They are compact and require less installation space than mechanical spring elements. With nitrogen systems, the installation height of the tools can be reduced and the force progressions optimised. Whether it concerns the selection and design of the nitrogen cylinders, combined solutions or individual manifold plates – with STEINEL nitrogen systems, you will always have technically and economically optimal tools.

Systems	Force curves	Application
nitrogen cylinders 	steep force increase 	They are used as standardised spring elements when large forces are required within small spaces.
Composite tube systems 	levelled force increase 	They are used to ensure that the same pressure prevails for all nitrogen cylinders connected within the system. It can be adjusted using the control panel. The nitrogen volume increases through the tube connections, and this results in a levelled force increase. Composite tube systems are flexible and can also be retrofitted.
Composite plate systems 	low force increase 	They are used in customer-specific solutions and also effect a uniform pressure at the nitrogen cylinders, which can be adjusted using the control panel. In addition to the reduction of the sealing points with respect to the composite tube systems, a greater increase of the nitrogen volume is achieved through the connecting boreholes in the plate. This results in a low force increase.
Manifold plate systems 	very low force increase 	They are always developed according to customer specifications and also guarantee a uniform pressure at all cylinders, which can be adjusted using the control panel. Through the integrated nitrogen buffers (volume boreholes), manifold plate systems achieve an optimal use of space as well as a very low force increase.

The FEM-calculated and TUV-approved design provides the highest safety standards in accordance with the PED directives (Pressure Equipment Directive). Starting at a nitrogen volume of 1 litre, pressure equipment is subject to PED directives and must also be tested and have a CE mark. Additional regulations, installation instructions etc. for our products can be found under **www.steinell.com » Service » Operating instructions.**

Nitrogen cylinders

Nitrogen cylinders can be easily integrated into the tool and increase availability with regard to mechanical spring elements. Preloading is not needed, which facilitates improved handling.

Advantages

- outstanding lifetimes due to innovative sealing materials, lifetime lubrication and two-point piston support
- large product range for each installation situation and application
- rapid availability of all products thanks to in-house production and extensive warehousing

Note

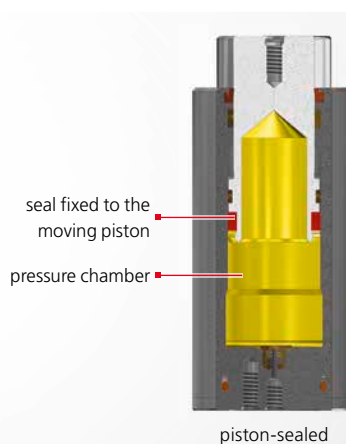
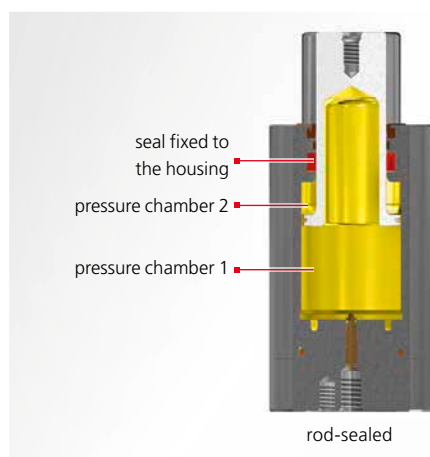
- The end forces specified in the product tables are calculated values and may vary slightly

Safety features

- maximum security thanks to FEM-calculated components
- application of PED directives (Pressure Equipment Directive DGRL)
- constant traceability of all materials and production stages
- all nitrogen cylinders available with diameters from 32 mm, also available with burst protection upon request
- all nitrogen cylinders come with complete documentation

Operating parameters

pressure medium	gaseous nitrogen N ₂ min. 2.8
permissible temperature (TS)	
min.	5 °C
max.	80 °C
min. filling pressure	50 bar



Rod-sealed springs

For rod-sealed springs, the seal is firmly fixed in the housing and seals at the piston surface. During the stroke movement, nitrogen flows past the piston collar and into the resulting second pressure chamber. The pressure space is therefore not separated by the piston. When the piston is retracted, the nitrogen volume is reduced and the pressure consequently increases. When springing back, the nitrogen in the upper nitrogen cylinder space acts as a stop damper. The stressed sealing area is smaller in comparison with piston-sealed springs. The rod-sealed springs are suitable for high speeds and long stroke lengths.

Due to their characteristics, rod-sealed springs are available in most variants and designs. They are the most commonly used nitrogen cylinders in punching tools.

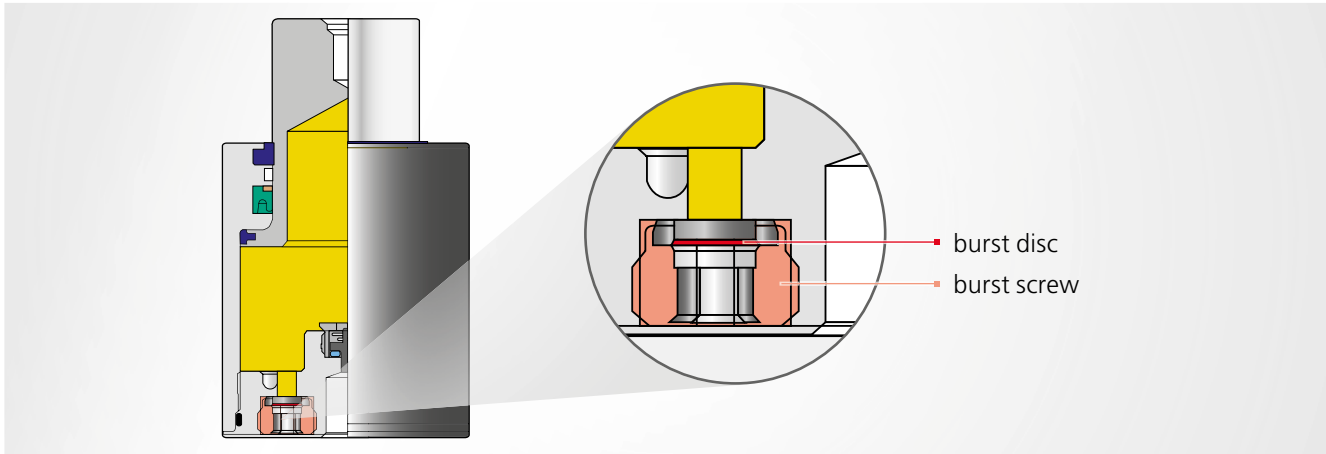
Piston-sealed springs

For piston-sealed springs, the seal is installed at the piston collar. When the piston is retracted, the entire nitrogen volume is compressed and the pressure consequently increases. They only have one pressure space. Springing back is not damped and has a direct effect. At the same stroke value and force curve, piston-sealed springs become larger than rod-sealed springs. Therefore, since the piston seal is located within the nitrogen cylinder, its sealing function is not affected by external influences. The larger sealing area limits the piston speed.

Due to their characteristics, piston-sealed springs are used with slowly-running punching tools or within dirty environments.

The nitrogen cylinders of the SZ8060.2 series are piston-sealed.

Burst protection



All STEINEL nitrogen cylinders with outer diameters from 32 mm are available with burst protection, in the form of a burst screw with integrated burst disc, upon request. All STEINEL control panels are equipped with burst protection as standard.

The burst disc cracks when a specified pressure level has been exceeded, and the nitrogen can then immediately leak out. By using burst protection, the nitrogen cylinder is protected from overpressure damage.

Advantages

- prevents consequential damage to nitrogen systems and tool
- nitrogen systems are refillable and ready for operation following a technical test and replacement of the burst protection.
- burst protection integrated into the base of the nitrogen cylinder and the housing of the control panel
- burst protection for standard nitrogen cylinders retrofitable through replacement of the base

Electronic pressure controller



The electronic pressure controller is used to monitor the pressure within the nitrogen systems. When the freely configurable limit is reached, corresponding signals are emitted by the machine controller and can be used, e.g., for warning messages or to switch off the machine.

Product features

- pressure range from 0 to 600 bar
- configurable switching point, reset point and switching function (NO/NC)
- scalable analogue outlet
- LED display and operating buttons on the device
- password-protected configuration menu
- display and connection rotatable
- housing and medium-contacting parts made from stainless steel



In composite tube systems, multiple nitrogen cylinders and a control panel are connected using tube lines in order to standardise system pressure. Compared to nitrogen cylinders, the total volume of nitrogen in the system is easily increased through the tube lines, which leads to a flattening of both the pressure increase and the force curve. All of the nitrogen cylinders within a pressure cycle have a standardised pressure level, which means that the force ratio between them is constant. This lowers the risk of tilting, reduces the lateral forces in the guide units and thus guarantees effective tool protection.

Advantages

- The integration of a control panel means that system pressure can be reliably monitored at any time and optimised in line with the production process.
- It is possible to temporarily compensate for a small pressure drop by replenishing nitrogen levels without having to interrupt the production process.
- One or multiple pressure cycles can be installed in a tool.
- One of the burst protection systems integrated within the control panel provides maximum safety. Individual nitrogen cylinders can also be equipped with burst protection.
- The use of a pressure controller is optional.
- If the force increase has to be further reduced, the nitrogen volume can be increased via the connection of an external storage buffer.

STEINEL will happily support you from the design phase right through to commissioning and maintenance of your composite tube systems.

Operating parameters

pressure medium	gaseous nitrogen N ₂ min. 2.8
permissible temperature (TS)	
min.	5 °C
max.	80 °C
min. filling pressure	50 bar

Composite plate systems



Composite plate systems consist of several nitrogen cylinders, a control panel and the composite plate. All components are connected to one another via boreholes in the composite plate. As with composite tube systems, this ensures standardised system pressure and a larger nitrogen volume, resulting in a flatter force curve.

The standardised pressure and therefore the uniform force ratio lowers the risk of tilting, reduces the lateral forces in the guide units and thus guarantees effective tool protection. The direct nitrogen supply via the lower plate reduces the sealing points in comparison with the composite tube systems, therefore increasing system availability. Composite plate systems are particularly compact and safe to operate.

Advantages

- No additional space is required in the tool for external tube lines, as all of the connecting boreholes are in the interior of the composite plate.
- It is possible to temporarily compensate for a small pressure drop by replenishing nitrogen levels without having to interrupt the production process.
- The number of sealing points is reduced to a minimum in order to prevent the risk of tool failure due to leaks in the system.
- The integration of a control panel means that system pressure can be reliably monitored at any time and optimised in line with the production process.
- A composite plate system can include several pressure cycles.
- One of the burst protection systems integrated within the control panel provides maximum safety. Individual nitrogen cylinders can also be equipped with burst protection.

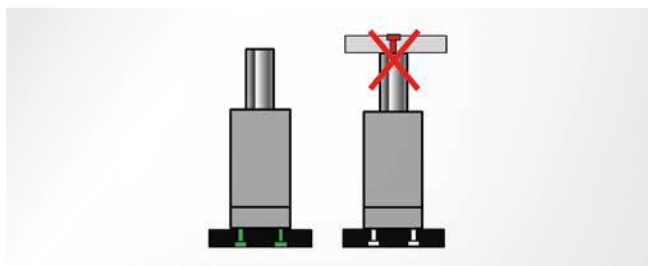
- The use of a pressure controller is optional.
- If the force increase has to be further reduced, the nitrogen volume can be increased via the connection of an external storage buffer.

Operating parameters

pressure medium	gaseous nitrogen N ₂ min. 2.8
permissible temperature (TS)	
min.	5 °C
max.	75 °C
min. filling pressure	50 bar

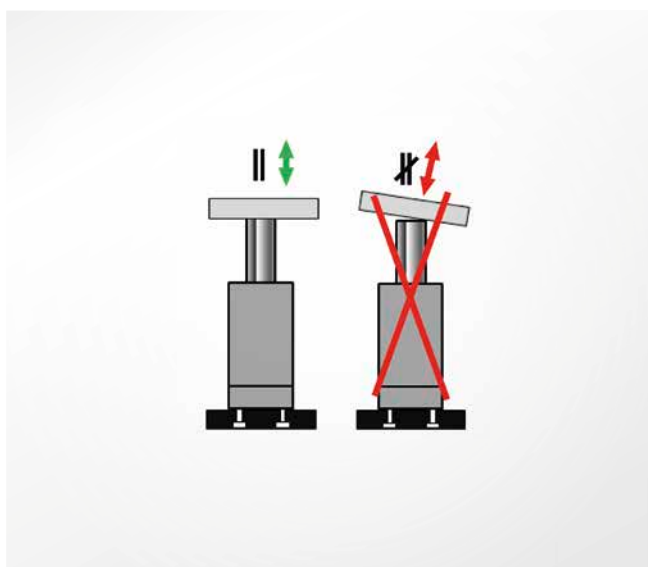
Nitrogen systems

Installation instructions



Nitrogen cylinders must be screwed via the mounting threads on the housing base, and never on the piston.

The thread in the piston surface is only meant for nitrogen cylinder assembly and no other parts may be screwed on to it.

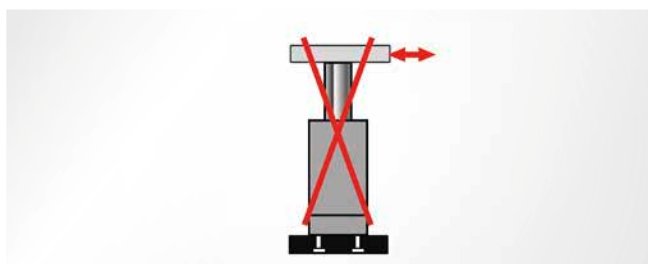


The nitrogen cylinders must be installed coaxial to the acting force.

The piston rod surface must be completely impinged. The contact surface should be suitably hardened.

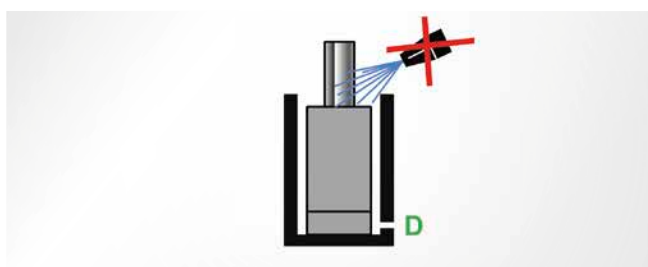
The screw-on surface must be flat and parallel to the pressure surface.

The nitrogen cylinders cannot be preloaded in the tool. If preloaded nitrogen cylinders are installed in a tool, the nitrogen cylinders must not be preloaded more than 0.2 mm. In this case, an appropriate warning sign must be posted at the installation site.

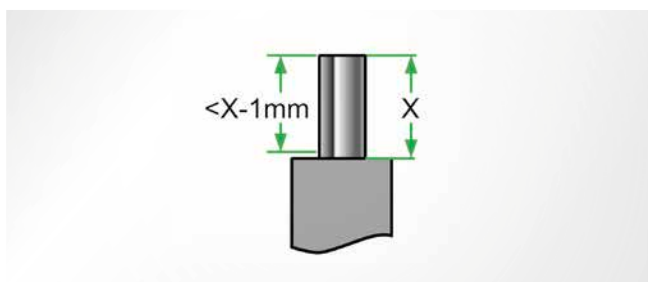


Lateral forces should be avoided.

Transverse forces on the piston rod can damage the nitrogen cylinders.

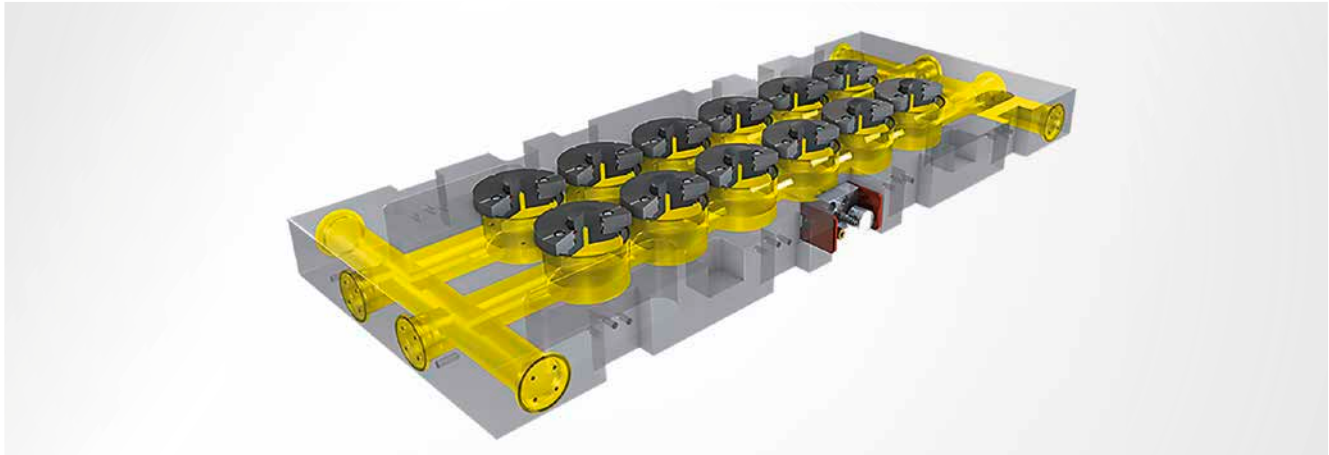


When installed in counterbores, the nitrogen cylinders must be provided with a circumferential gap of at least 1.5 mm between the nitrogen cylinder and the walls. The release of liquid by means of a drainage bore (D) must be possible. The piston rod must be protected from contact with liquids and mechanical damage.



A stroke reserve of at least 1 mm must be provided.

X = maximum stroke



Manifold plates are constructed and manufactured according to customer specifications. They consist of a metal plate with volume boreholes as an integrated nitrogen buffer, space-saving manifold cylinders and control panels. The nitrogen buffer's large volume allows for a very low force increase.

Drawing cushion

STEINEL also provides machine-bound drawing cushions as a special form of manifold plate. The spring forces are transmitted through guide pins to the correct location in the tool. With phenomenal lifetimes, a high number of cycles and a very low mass to be moved, nitrogen drawing cushions from STEINEL are clearly superior to conventional pneumatic drawing cushions in terms of dynamics, durability and heat generation.

Advantages

- Manifold plates are distinguished by an extremely flat force curve in comparison to other nitrogen systems.
- The standardised system pressure guarantees a uniform force at all manifold cylinders.
- Manifold plates are distinguished by a low temperature increase.
- The maximum filling pressure of 150 bar and the permissible pressure increase of a maximum of 20 % ensure a flexible, tool-friendly production process.
- Control panels, burst protection and pressure controllers are also possible, just like for the composite systems.
- One of the burst protection systems integrated within the control panel provides maximum safety. Individual nitrogen cylinders can also be equipped with burst protection.
- The use of a pressure controller is optional.
- If the force increase has to be further reduced, the nitrogen volume can be increased via the connection of an external storage buffer.

Specific customer requirements are already the main focus with regard to individually designed manifold plate systems and drawing cushions. If testing or repeat testing by a certified entity is required before commissioning, STEINEL will happily provide support for the organising it. If testing by a person qualified in accordance with the operational safety directive (BetrSichV) is required, it can be carried out by STEINEL employees upon request.

Please observe the respective national regulations for the operation of pressure equipment.

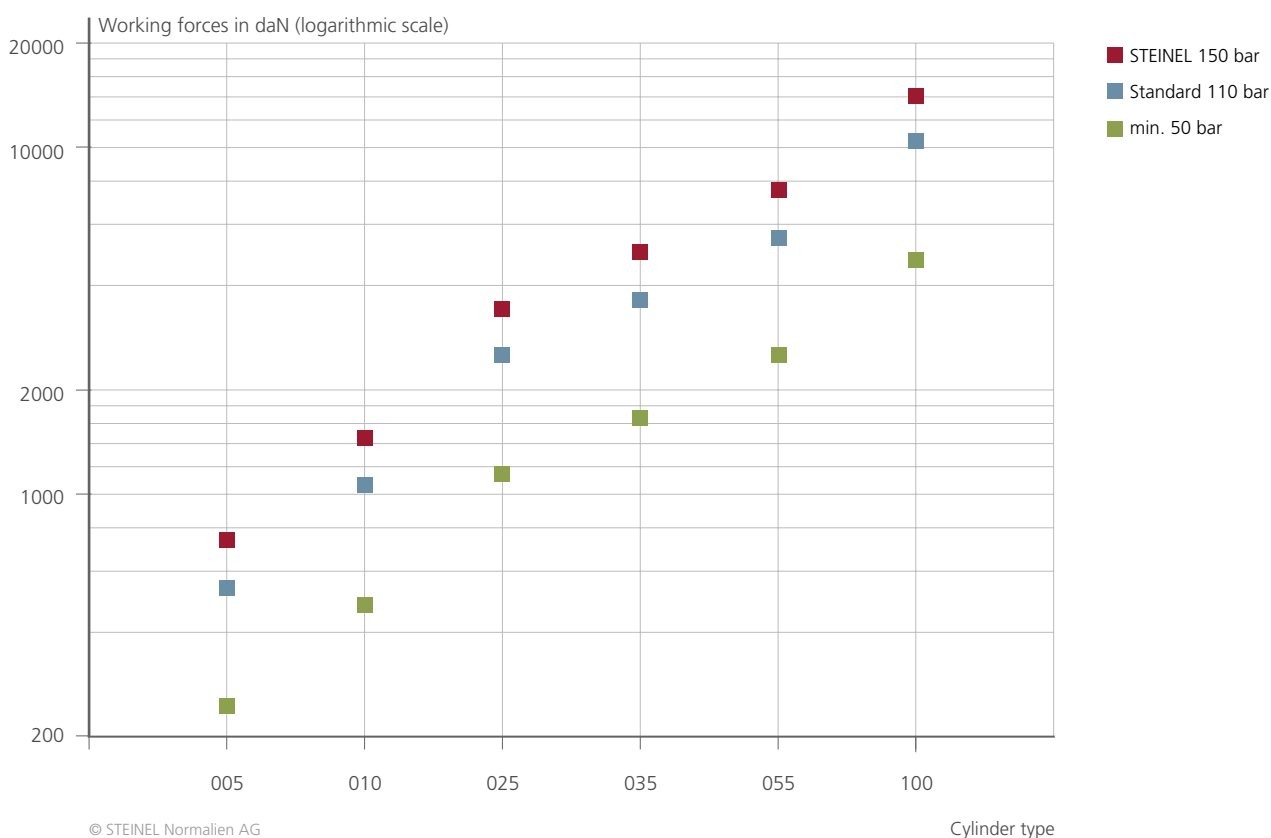
Operating parameters	
pressure medium	gaseous nitrogen N ₂ min. 2.8
permissible temperature (TS)	
min.	5 °C
max.	75 °C
Filling pressure	
min.	50 bar
max.	150 bar
max. permissible pressure (PS)	180 bar

Manifold cylinders



STEINEL manifold cylinders are available in three variants (high, normal, low) and in six different cylinder types each.

Manifold cylinder ST8841 – filling pressure-dependent working forces



Operating parameters	
pressure medium	gaseous nitrogen N ₂ min. 2.8
permissible temperature (TS)	
min.	5 °C
max.	75 °C
Filling pressure	
min.	50 bar
max.	150 bar
max. permissible pressure (PS)	180 bar

The components are to be used in accordance with the Pressure Equipment Directive (PED). Starting at a volume of 1 litre, pressure equipment in which manifold plate components are integrated must be tested and have a CE mark.

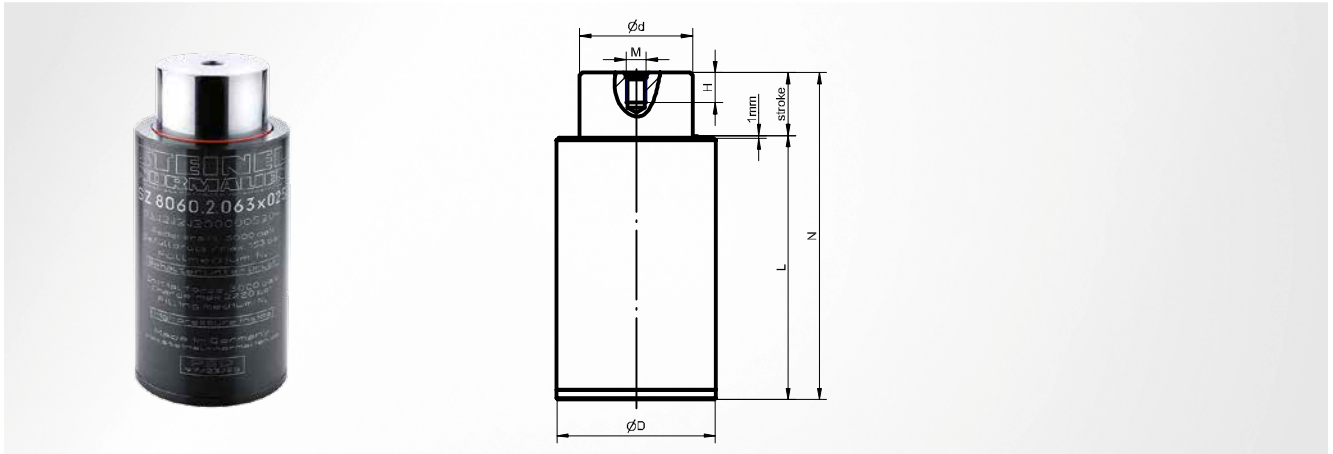
Control panels



Type	Version	Burst pressure bar	Connection possibilities				
			G 1/8" Tube system	G 1/4" universal	Connec- tions for composite plate	Connec- tions for manifold plate	Remarks
ST8845-01-01	standard	180	3	2	–	–	▪ with tube connection to manifold plate ▪ both rear boreholes with sealing plugs
ST8845-32-01	standard	180	3	2	–	1	▪ Direct installation at manifold plates from 32 mm width possible ▪ rear upper borehole with sealing plug ▪ Connection possibility via rear lower borehole
ST8845-80-01	standard	180	3	2	–	1	▪ Direct installation at manifold plates from 80 mm width possible ▪ rear lower borehole with sealing plug ▪ Connection possibility via rear upper borehole
ST8845-8	mini	180	3	2	–	1	▪ only for direct installation at manifold plates
ST8845-02-01	standard	450	3	2	2	–	▪ for all composite systems
ST8845-9	mini	450	3	1	1	–	▪ for all composite systems
ST8845-444	maxi	450	12	1	–	–	▪ only for composite tube systems

SZ8060.2. Nitrogen cylinder

self-sufficient



Base

Standard base

Filling

with standard nitrogen

Burst protection

not integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
25	14	M8	centred	157	400	730	M6	6	75	10	65	SZ8060.2 .025 x 010
									90	15	75	SZ8060.2 .025 x 015
									120	25	95	SZ8060.2 .025 x 025
									195	50	145	SZ8060.2 .025 x 050
32	18	M8	centred	155	700	1230	M6	6	75	10	65	SZ8060.2 .032 x 010
									90	15	75	SZ8060.2 .032 x 015
									120	25	95	SZ8060.2 .032 x 025
									195	50	145	SZ8060.2 .032 x 050
38	22	M8	centred	162	1000	1710	M6	6	75	10	65	SZ8060.2 .038 x 010
									90	15	75	SZ8060.2 .038 x 015
									120	25	95	SZ8060.2 .038 x 025
									195	50	145	SZ8060.2 .038 x 050
50	35	M10	centred	159	2000	3400	M8	8	80	10	70	SZ8060.2 .050 x 010
									95	15	80	SZ8060.2 .050 x 015
									125	25	100	SZ8060.2 .050 x 025
									200	50	150	SZ8060.2 .050 x 050
63	45	M10	centred	153	3000	4800	M8	8	85	10	75	SZ8060.2 .063 x 010
									100	15	85	SZ8060.2 .063 x 015
									130	25	105	SZ8060.2 .063 x 025
									205	50	155	SZ8060.2 .063 x 050
75	55	M12	centred	142	4000	6400	M8	8	85	10	75	SZ8060.2 .075 x 010
									100	15	85	SZ8060.2 .075 x 015
									130	25	105	SZ8060.2 .075 x 025
									205	50	155	SZ8060.2 .075 x 050
95	65	M12	centred	158	7000	11200	M8	8	90	10	80	SZ8060.2 .095 x 010
									105	15	90	SZ8060.2 .095 x 015
									135	25	110	SZ8060.2 .095 x 025
									210	50	160	SZ8060.2 .095 x 050
120	85	M12	centred	141	10000	16000	M8	8	100	10	90	SZ8060.2 .120 x 010
									115	15	100	SZ8060.2 .120 x 015
									145	25	120	SZ8060.2 .120 x 025
									220	50	170	SZ8060.2 .120 x 050

SZ8060.2. Nitrogen cylinder



self-sufficient

D	Cylinder mounting
25	
32	
38	

D	Cylinder mounting
50	
63	
75	

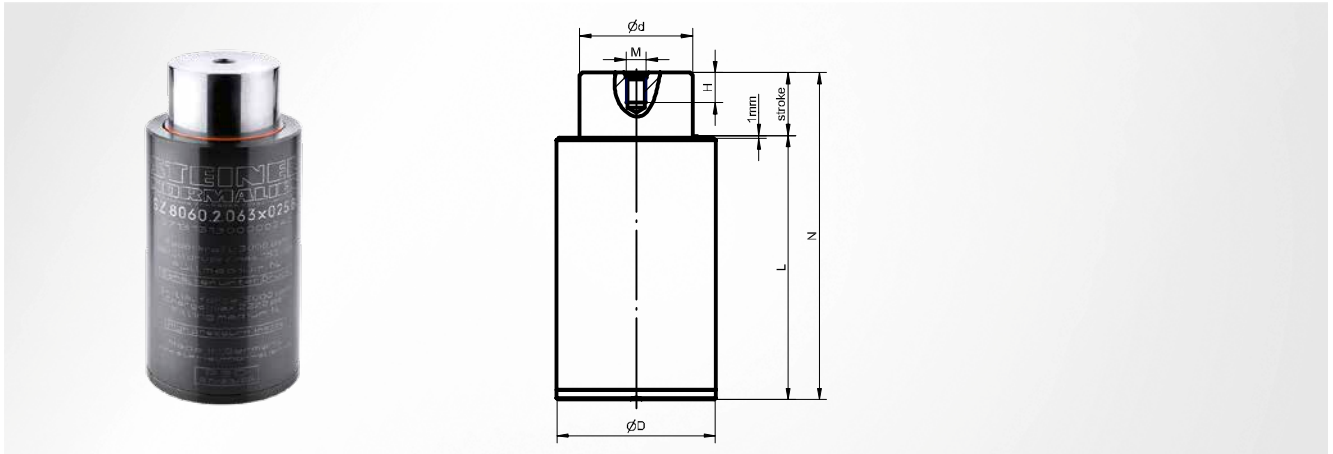
D	Cylinder mounting
95	
120	

from D 38, the medium thread is only used for filling

SZ8060.2.B Nitrogen cylinder

STEINEL®

self-sufficient, with burst protection



Base

Standard base; with burst protection

Filling

with standard nitrogen

Burst protection

integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
32	18	M8	centred	155	700	1230	M6	6	75	10	65	SZ8060.2 .032 x 010B
									90	15	75	SZ8060.2 .032 x 015B
									120	25	95	SZ8060.2 .032 x 025B
									195	50	145	SZ8060.2 .032 x 050B
38	22	M8	centred	162	1000	1710	M6	6	75	10	65	SZ8060.2 .038 x 010B
									90	15	75	SZ8060.2 .038 x 015B
									120	25	95	SZ8060.2 .038 x 025B
									195	50	145	SZ8060.2 .038 x 050B
50	35	M10	centred	159	2000	3400	M8	8	80	10	70	SZ8060.2 .050 x 010B
									95	15	80	SZ8060.2 .050 x 015B
									125	25	100	SZ8060.2 .050 x 025B
									200	50	150	SZ8060.2 .050 x 050B
63	45	M10	centred	153	3000	4800	M8	8	85	10	75	SZ8060.2 .063 x 010B
									100	15	85	SZ8060.2 .063 x 015B
									130	25	105	SZ8060.2 .063 x 025B
									205	50	155	SZ8060.2 .063 x 050B
75	55	M12	centred	142	4000	6400	M8	8	85	10	75	SZ8060.2 .075 x 010B
									100	15	85	SZ8060.2 .075 x 015B
									130	25	105	SZ8060.2 .075 x 025B
									205	50	155	SZ8060.2 .075 x 050B
95	65	M12	centred	158	7000	11200	M8	8	90	10	80	SZ8060.2 .095 x 010B
									105	15	90	SZ8060.2 .095 x 015B
									135	25	110	SZ8060.2 .095 x 025B
									210	50	160	SZ8060.2 .095 x 050B
120	85	M12	centred	141	10000	16000	M8	8	100	10	90	SZ8060.2 .120 x 010B
									115	15	100	SZ8060.2 .120 x 015B
									145	25	120	SZ8060.2 .120 x 025B
									220	50	170	SZ8060.2 .120 x 050B

SZ8060.2.B Nitrogen cylinder

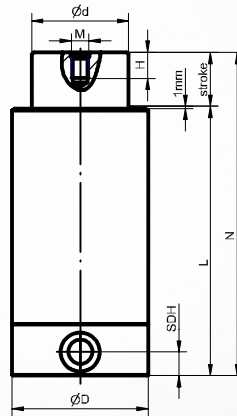
self-sufficient, with burst protection

D	Cylinder mounting
32	
38	
50	

D	Cylinder mounting
63	
75	
95	

D	Cylinder mounting
120	

from D 38, the medium thread is only used for filling



Base

Composite base

Burst protection

not integrated

Filling

carried out via composite system

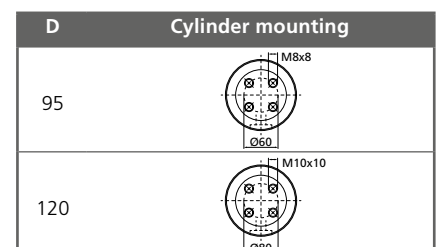
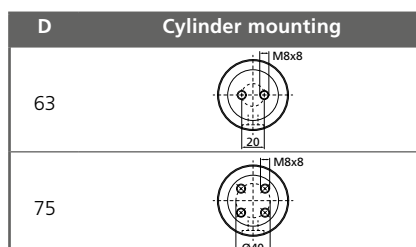
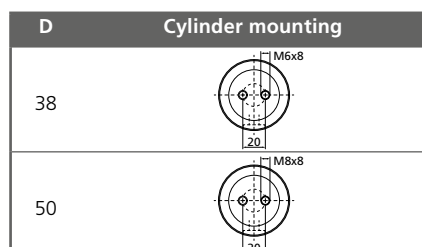
Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

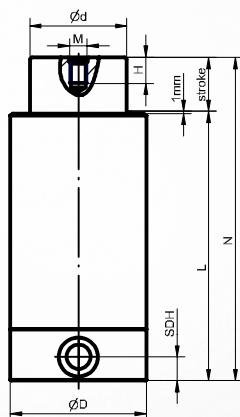
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	22	G1/8	on the side	162	1000	1710	M6	6	95	10	85	SZ8060.2 .038 x 010V
									110	15	95	SZ8060.2 .038 x 015V
									140	25	115	SZ8060.2 .038 x 025V
									215	50	165	SZ8060.2 .038 x 050V
50	35	G1/8	on the side	159	2000	3400	M8	8	100	10	90	SZ8060.2 .050 x 010V
									115	15	100	SZ8060.2 .050 x 015V
									145	25	120	SZ8060.2 .050 x 025V
									220	50	170	SZ8060.2 .050 x 050V
63	45	G1/8	on the side	153	3000	4800	M8	8	105	10	95	SZ8060.2 .063 x 010V
									120	15	105	SZ8060.2 .063 x 015V
									150	25	125	SZ8060.2 .063 x 025V
									225	50	175	SZ8060.2 .063 x 050V
75	55	G1/8	on the side	142	4000	6400	M8	8	105	10	95	SZ8060.2 .075 x 010V
									120	15	105	SZ8060.2 .075 x 015V
									150	25	125	SZ8060.2 .075 x 025V
									225	50	175	SZ8060.2 .075 x 050V
95	65	G1/8	on the side	158	7000	11200	M8	8	110	10	100	SZ8060.2 .095 x 010V
									125	15	110	SZ8060.2 .095 x 015V
									155	25	130	SZ8060.2 .095 x 025V
									230	50	180	SZ8060.2 .095 x 050V
120	85	G1/8	on the side	141	10000	16000	M8	8	120	10	110	SZ8060.2 .120 x 010V
									135	15	120	SZ8060.2 .120 x 015V
									165	25	140	SZ8060.2 .120 x 025V
									240	50	190	SZ8060.2 .120 x 050V



SZ8060.2.VB Connecting nitrogen cylinder

with burst protection

STEINEL®



Base

Composite base; with burst protection

Burst protection

integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	22	G1/8	on the side	162	1000	1710	M6	6	95	10	85	SZ8060.2 .038 x 010VB
									110	15	95	SZ8060.2 .038 x 015VB
									140	25	115	SZ8060.2 .038 x 025VB
									215	50	165	SZ8060.2 .038 x 050VB
50	35	G1/8	on the side	159	2000	3400	M8	8	100	10	90	SZ8060.2 .050 x 010VB
									115	15	100	SZ8060.2 .050 x 015VB
									145	25	120	SZ8060.2 .050 x 025VB
									220	50	170	SZ8060.2 .050 x 050VB
63	45	G1/8	on the side	153	3000	4800	M8	8	105	10	95	SZ8060.2 .063 x 010VB
									120	15	105	SZ8060.2 .063 x 015VB
									150	25	125	SZ8060.2 .063 x 025VB
									225	50	175	SZ8060.2 .063 x 050VB
75	55	G1/8	on the side	142	4000	6400	M8	8	105	10	95	SZ8060.2 .075 x 010VB
									120	15	105	SZ8060.2 .075 x 015VB
									150	25	125	SZ8060.2 .075 x 025VB
									225	50	175	SZ8060.2 .075 x 050VB
95	65	G1/8	on the side	158	7000	11200	M8	8	110	10	100	SZ8060.2 .095 x 010VB
									125	15	110	SZ8060.2 .095 x 015VB
									155	25	130	SZ8060.2 .095 x 025VB
									230	50	180	SZ8060.2 .095 x 050VB
120	85	G1/8	on the side	141	10000	16000	M8	8	120	10	110	SZ8060.2 .120 x 010VB
									135	15	120	SZ8060.2 .120 x 015VB
									165	25	140	SZ8060.2 .120 x 025VB
									240	50	190	SZ8060.2 .120 x 050VB

D	Cylinder mounting
38	
50	

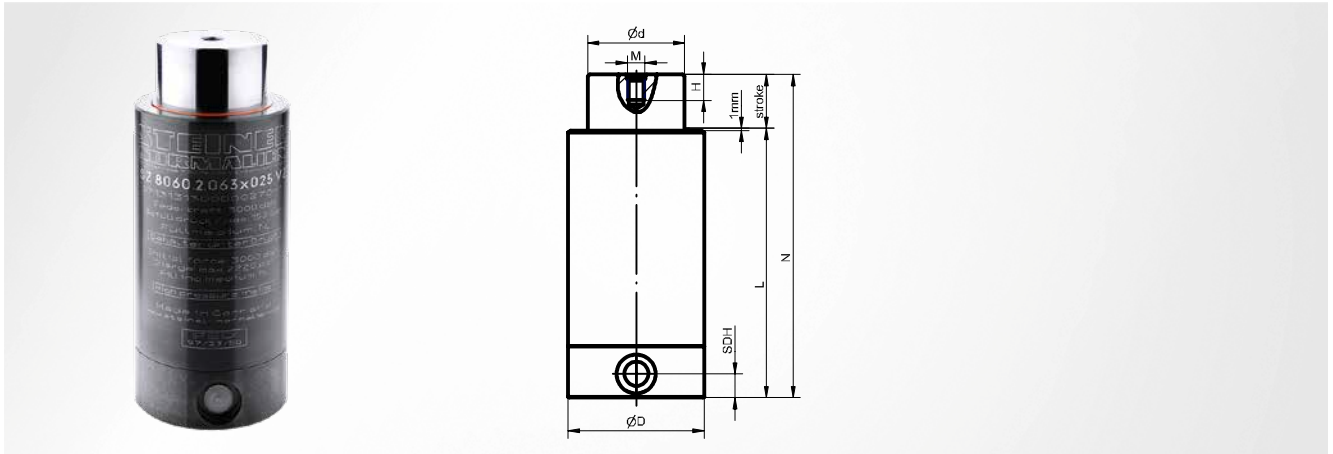
D	Cylinder mounting
63	
75	

D	Cylinder mounting
95	
120	

SZ8060.2.VZ Connecting nitrogen cylinder

STEINEL®

2 connections, with burst protection



Base

Composite base; with burst protection; 2 connections

Delivery

will be supplied unfilled

Burst protection

integrated

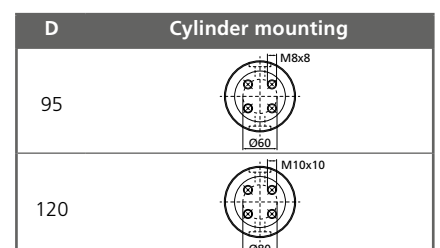
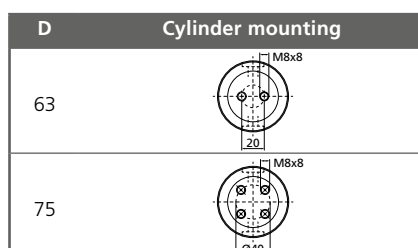
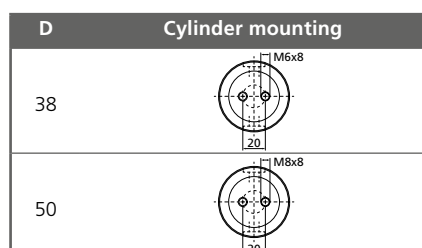
Installation instruction

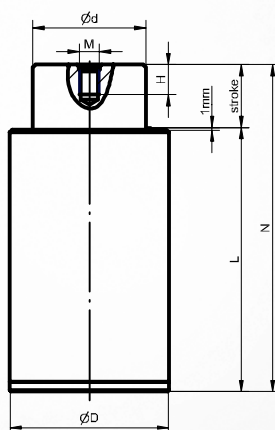
Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

Filling

carried out via composite system

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	22	G1/8	on the side	162	1000	1710	M6	6	95	10	85	SZ8060.2 .038 x 010VZ
									110	15	95	SZ8060.2 .038 x 015VZ
									140	25	115	SZ8060.2 .038 x 025VZ
									215	50	165	SZ8060.2 .038 x 050VZ
50	35	G1/8	on the side	159	2000	3400	M8	8	100	10	90	SZ8060.2 .050 x 010VZ
									115	15	100	SZ8060.2 .050 x 015VZ
									145	25	120	SZ8060.2 .050 x 025VZ
									220	50	170	SZ8060.2 .050 x 050VZ
63	45	G1/8	on the side	153	3000	4800	M8	8	105	10	95	SZ8060.2 .063 x 010VZ
									120	15	105	SZ8060.2 .063 x 015VZ
									150	25	125	SZ8060.2 .063 x 025VZ
									225	50	175	SZ8060.2 .063 x 050VZ
75	55	G1/8	on the side	142	4000	6400	M8	8	105	10	95	SZ8060.2 .075 x 010VZ
									120	15	105	SZ8060.2 .075 x 015VZ
									150	25	125	SZ8060.2 .075 x 025VZ
									225	50	175	SZ8060.2 .075 x 050VZ
95	65	G1/8	on the side	158	7000	11200	M8	8	110	10	100	SZ8060.2 .095 x 010VZ
									125	15	110	SZ8060.2 .095 x 015VZ
									155	25	130	SZ8060.2 .095 x 025VZ
									230	50	180	SZ8060.2 .095 x 050VZ
120	85	G1/8	on the side	141	10000	16000	M8	8	120	10	110	SZ8060.2 .120 x 010VZ
									135	15	120	SZ8060.2 .120 x 015VZ
									165	25	140	SZ8060.2 .120 x 025VZ
									240	50	190	SZ8060.2 .120 x 050VZ





Base

Composite plate floor

Burst protection

not integrated

Filling

carried out via composite system

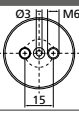
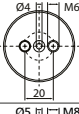
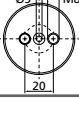
Delivery

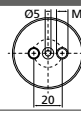
will be supplied unfilled

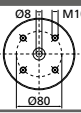
Installation instruction

Springs are screwed on through the composite panel by means of the base mounting threads; the plate must be flat and have a minimum surface roughness of Rz 6.3 in the area of the spring diameter; composite plate springs must be filled with oil to 1 % of the volume of the spring; filling is carried out via the connected control panel

D	d	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
32	18	155	700	1230	M6	6	75	10	65	SZ8060.2 .032 x 010PD
							90	15	75	SZ8060.2 .032 x 015PD
							120	25	95	SZ8060.2 .032 x 025PD
							195	50	145	SZ8060.2 .032 x 050PD
38	22	162	1000	1710	M6	6	75	10	65	SZ8060.2 .038 x 010PD
							90	15	75	SZ8060.2 .038 x 015PD
							120	25	95	SZ8060.2 .038 x 025PD
							195	50	145	SZ8060.2 .038 x 050PD
50	35	159	2000	3400	M8	8	80	10	70	SZ8060.2 .050 x 010PD
							95	15	80	SZ8060.2 .050 x 015PD
							125	25	100	SZ8060.2 .050 x 025PD
							200	50	150	SZ8060.2 .050 x 050PD
63	45	153	3000	4800	M8	8	85	10	75	SZ8060.2 .063 x 010PD
							100	15	85	SZ8060.2 .063 x 015PD
							130	25	105	SZ8060.2 .063 x 025PD
							205	50	155	SZ8060.2 .063 x 050PD
75	55	142	4000	6400	M8	8	85	10	75	SZ8060.2 .075 x 010PD
							100	15	85	SZ8060.2 .075 x 015PD
							130	25	105	SZ8060.2 .075 x 025PD
							205	50	155	SZ8060.2 .075 x 050PD
95	65	158	7000	11200	M8	8	90	10	80	SZ8060.2 .095 x 010PD
							105	15	90	SZ8060.2 .095 x 015PD
							135	25	110	SZ8060.2 .095 x 025PD
							210	50	160	SZ8060.2 .095 x 050PD
120	85	141	10000	16000	M8	8	100	10	90	SZ8060.2 .120 x 010PD
							115	15	100	SZ8060.2 .120 x 015PD
							145	25	120	SZ8060.2 .120 x 025PD
							220	50	170	SZ8060.2 .120 x 050PD

D	Cylinder mounting
32	
38	
50	

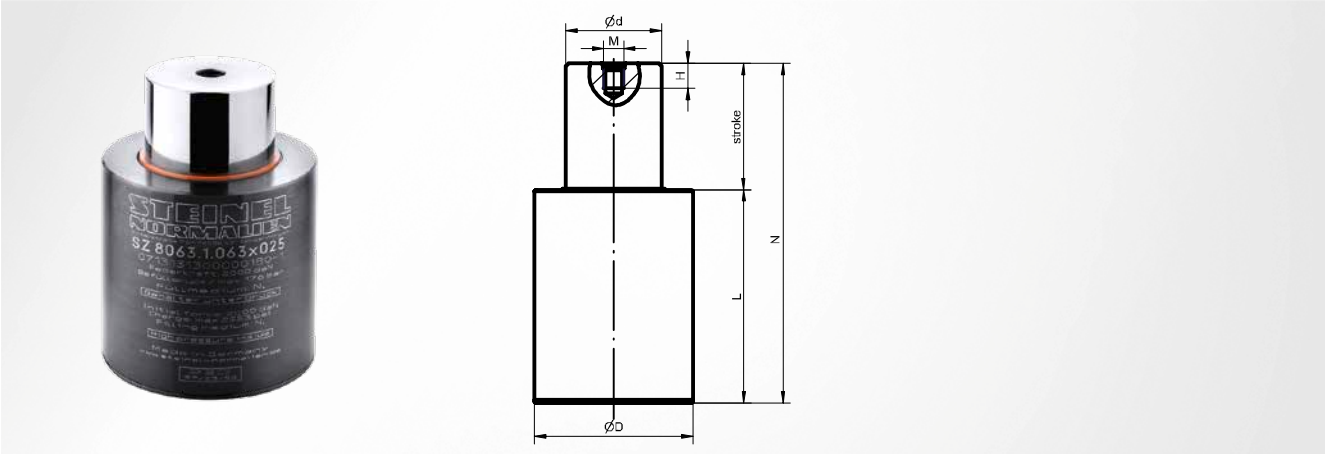
D	Cylinder mounting
63	
75	
95	

D	Cylinder mounting
120	

SZ8063.1. Nitrogen cylinder



self-sufficient



Base

Standard base

Burst protection

not integrated

Filling

with standard nitrogen

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	179	170	272			40	5	35	SZ8063.1 .019 x 005
					170	272			50	10	40	SZ8063.1 .019 x 010
					170	272			60	15	45	SZ8063.1 .019 x 015
					170	272			68	19	49	SZ8063.1 .019 x 019
					170	272			80	25	55	SZ8063.1 .019 x 025
					170	272			94	32	62	SZ8063.1 .019 x 032
					170	272			106	38	68	SZ8063.1 .019 x 038
					170	272			130	50	80	SZ8063.1 .019 x 050
					170	272			156	63	93	SZ8063.1 .019 x 063
					170	272			195	80	115	SZ8063.1 .019 x 080
					170	272			235	100	135	SZ8063.1 .019 x 100
					170	272			285	125	160	SZ8063.1 .019 x 125
25	14	M8	centred	195	300	480			40	5	35	SZ8063.1 .025 x 005
					300	480			50	10	40	SZ8063.1 .025 x 010
					300	480			60	15	45	SZ8063.1 .025 x 015
					300	480			68	19	49	SZ8063.1 .025 x 019
					300	480	M6	6	80	25	55	SZ8063.1 .025 x 025
					300	480	M6	6	94	32	62	SZ8063.1 .025 x 032
					300	480	M6	6	106	38	68	SZ8063.1 .025 x 038
					300	480	M6	6	130	50	80	SZ8063.1 .025 x 050
					300	480	M6	6	156	63	93	SZ8063.1 .025 x 063
					300	480	M6	6	190	80	110	SZ8063.1 .025 x 080
					300	480	M6	6	230	100	130	SZ8063.1 .025 x 100
					300	480	M6	6	280	125	155	SZ8063.1 .025 x 125
32	18	M6	centred	196	500	700			40	5	35	SZ8063.1 .032 x 005
					500	760	M6	6	50	10	40	SZ8063.1 .032 x 010
					500	800	M6	6	56	13	43	SZ8063.1 .032 x 013
					500	800	M6	6	60	15	45	SZ8063.1 .032 x 015
					500	800	M6	6	68	19	49	SZ8063.1 .032 x 019
					500	800	M6	6	80	25	55	SZ8063.1 .032 x 025
					500	800	M6	6	94	32	62	SZ8063.1 .032 x 032
					500	800	M6	6	106	38	68	SZ8063.1 .032 x 038
					500	800	M6	6	130	50	80	SZ8063.1 .032 x 050
					500	800	M6	6	156	63	93	SZ8063.1 .032 x 063
					500	800	M6	6	190	80	110	SZ8063.1 .032 x 080
					500	800	M6	6	230	100	130	SZ8063.1 .032 x 100
					500	800	M6	6	280	125	155	SZ8063.1 .032 x 125

SZ8063.1. Nitrogen cylinder

self-sufficient

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
38	22	M8	centred	197	750	1050			40	5	35	SZ8063.1 .038 x 005
					750	1155	M6	6	50	10	40	SZ8063.1 .038 x 010
					750	1200	M6	6	60	15	45	SZ8063.1 .038 x 015
					750	1200	M6	6	68	19	49	SZ8063.1 .038 x 019
					750	1200	M6	6	80	25	55	SZ8063.1 .038 x 025
					750	1200	M6	6	94	32	62	SZ8063.1 .038 x 032
					750	1200	M6	6	106	38	68	SZ8063.1 .038 x 038
					750	1200	M6	6	130	50	80	SZ8063.1 .038 x 050
					750	1200	M6	6	156	63	93	SZ8063.1 .038 x 063
					750	1200	M6	6	190	80	110	SZ8063.1 .038 x 080
					750	1200	M6	6	230	100	130	SZ8063.1 .038 x 100
					750	1200	M6	6	280	125	155	SZ8063.1 .038 x 125
50	30	M10	centred	212	1500	2130			45	5	40	SZ8063.1 .050 x 005
					1500	2310	M8	8	55	10	45	SZ8063.1 .050 x 010
					1500	2400	M8	8	65	15	50	SZ8063.1 .050 x 015
					1500	2400	M8	8	73	19	54	SZ8063.1 .050 x 019
					1500	2400	M8	8	85	25	60	SZ8063.1 .050 x 025
					1500	2400	M8	8	99	32	67	SZ8063.1 .050 x 032
					1500	2400	M8	8	111	38	73	SZ8063.1 .050 x 038
					1500	2400	M8	8	135	50	85	SZ8063.1 .050 x 050
					1500	2400	M8	8	161	63	98	SZ8063.1 .050 x 063
					1500	2400	M8	8	200	80	120	SZ8063.1 .050 x 080
					1500	2400	M8	8	235	100	135	SZ8063.1 .050 x 100
					1500	2400	M8	8	285	125	160	SZ8063.1 .050 x 125
63	38	M10	centred	176	2000	2720			45	5	40	SZ8063.1 .063 x 005
					2000	3080	M8	8	55	10	45	SZ8063.1 .063 x 010
					2000	3200	M8	8	65	15	50	SZ8063.1 .063 x 015
					2000	3200	M8	8	73	19	54	SZ8063.1 .063 x 019
					2000	3200	M8	8	85	25	60	SZ8063.1 .063 x 025
					2000	3200	M8	8	99	32	67	SZ8063.1 .063 x 032
					2000	3200	M8	8	111	38	73	SZ8063.1 .063 x 038
					2000	3200	M8	8	135	50	85	SZ8063.1 .063 x 050
					2000	3200	M8	8	161	63	98	SZ8063.1 .063 x 063
					2000	3200	M8	8	200	80	120	SZ8063.1 .063 x 080
					2000	3200	M8	8	235	100	135	SZ8063.1 .063 x 100
					2000	3200	M8	8	285	125	160	SZ8063.1 .063 x 125
75	45	M12	centred	189	3000	4050			50	5	45	SZ8063.1 .075 x 005
					3000	4590	M8	8	60	10	50	SZ8063.1 .075 x 010
					3000	4800	M8	8	70	15	55	SZ8063.1 .075 x 015
					3000	4800	M8	8	78	19	59	SZ8063.1 .075 x 019
					3000	4800	M8	8	90	25	65	SZ8063.1 .075 x 025
					3000	4800	M8	8	104	32	72	SZ8063.1 .075 x 032
					3000	1800	M8	8	116	38	78	SZ8063.1 .075 x 038
					3000	4800	M8	8	140	50	90	SZ8063.1 .075 x 050
					3000	4800	M8	8	166	63	103	SZ8063.1 .075 x 063
					3000	4800	M8	8	205	80	125	SZ8063.1 .075 x 080
					3000	4800	M8	8	245	100	145	SZ8063.1 .075 x 100
					3000	4800	M8	8	295	125	170	SZ8063.1 .075 x 125
95	55	M12	centred	210	5000	7000			60	5	55	SZ8063.1 .095 x 005
					5000	7800	M8	8	70	10	60	SZ8063.1 .095 x 010
					5000	8000	M8	8	80	15	65	SZ8063.1 .095 x 015
					5000	8000	M8	8	88	19	69	SZ8063.1 .095 x 019
					5000	8000	M8	8	100	25	75	SZ8063.1 .095 x 025
					5000	8000	M8	8	114	32	82	SZ8063.1 .095 x 032
					5000	8000	M8	8	125	38	87	SZ8063.1 .095 x 038
					5000	8000	M8	8	150	50	100	SZ8063.1 .095 x 050
					5000	8000	M8	8	176	63	113	SZ8063.1 .095 x 063
					5000	8000	M8	8	210	80	130	SZ8063.1 .095 x 080
					5000	8000	M8	8	250	100	150	SZ8063.1 .095 x 100
					5000	8000	M8	8	300	125	175	SZ8063.1 .095 x 125

SZ8063.1. Nitrogen cylinder

self-sufficient



D	Cylinder mounting
19	
25	
32	

D	Cylinder mounting
38	
50	
63	

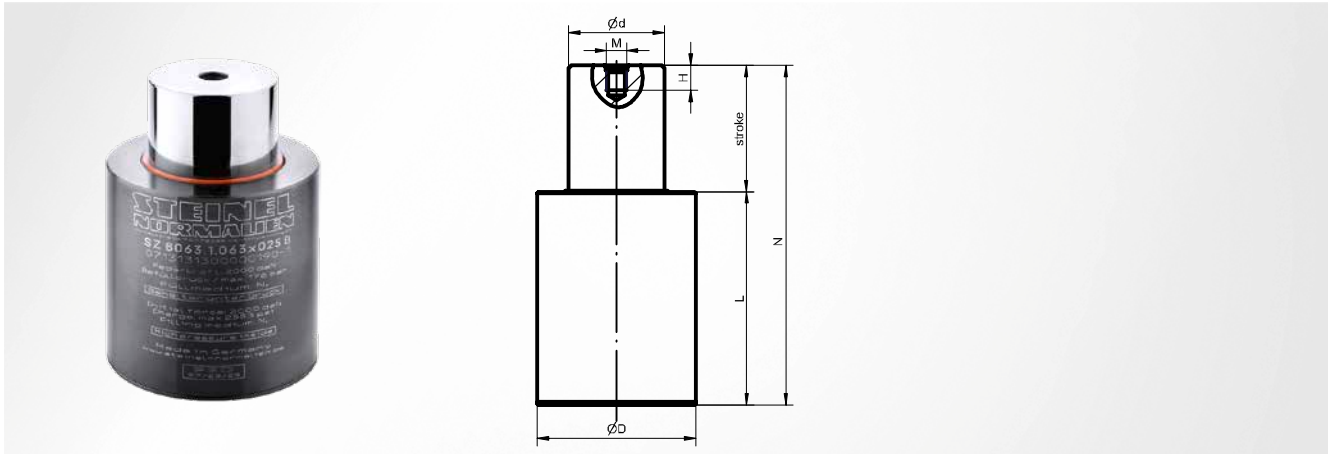
D	Cylinder mounting
75	
95	

from D 50, the medium thread is only used for filling

SZ8063.1.B Nitrogen cylinder

STEINEL®

self-sufficient, with burst protection



Base

Standard base; with burst protection

Filling

with standard nitrogen

Burst protection

integrated

Delivery

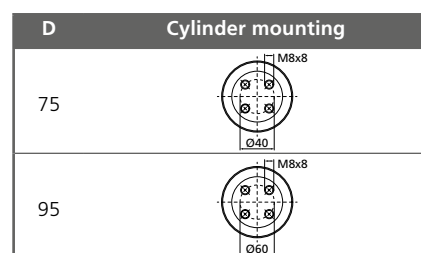
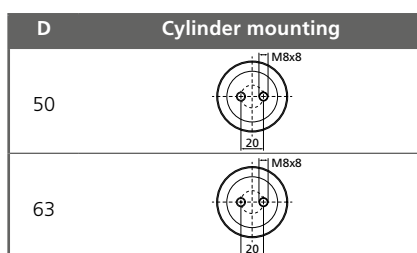
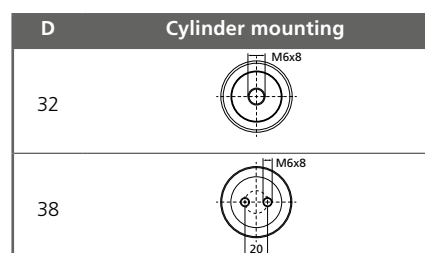
will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
32	18	M6	centred	196			500	700	40	5	35	SZ8063.1 .032 x 005B
32	18	M6	centred	196	M6	6	500	760	50	10	40	SZ8063.1 .032 x 010B
							500	800	60	15	45	SZ8063.1 .032 x 015B
							500	800	68	19	49	SZ8063.1 .032 x 019B
							500	800	80	25	55	SZ8063.1 .032 x 025B
							500	800	94	32	62	SZ8063.1 .032 x 032B
							500	800	106	38	68	SZ8063.1 .032 x 038B
							500	800	130	50	80	SZ8063.1 .032 x 050B
							500	800	156	63	93	SZ8063.1 .032 x 063B
							500	800	190	80	110	SZ8063.1 .032 x 080B
							500	800	230	100	130	SZ8063.1 .032 x 100B
							500	800	280	125	155	SZ8063.1 .032 x 125B
38	22	M8	centred	197			750	1050	40	5	35	SZ8063.1 .038 x 005B
38	22	M8	centred	197	M6	6	750	1155	50	10	40	SZ8063.1 .038 x 010B
							750	1200	60	15	45	SZ8063.1 .038 x 015B
							750	1200	68	19	49	SZ8063.1 .038 x 019B
							750	1200	80	25	55	SZ8063.1 .038 x 025B
							750	1200	94	32	62	SZ8063.1 .038 x 032B
							750	1200	106	38	68	SZ8063.1 .038 x 038B
							750	1200	130	50	80	SZ8063.1 .038 x 050B
							750	1200	156	63	93	SZ8063.1 .038 x 063B
							750	1200	190	80	110	SZ8063.1 .038 x 080B
							750	1200	230	100	130	SZ8063.1 .038 x 100B
							750	1200	280	125	155	SZ8063.1 .038 x 125B
50	30	M10	centred	212			1500	2130	45	5	40	SZ8063.1 .050 x 005B
50	30	M10	centred	212	M8	8	1500	2310	55	10	45	SZ8063.1 .050 x 010B
							1500	2400	65	15	50	SZ8063.1 .050 x 015B
							1500	2400	73	19	54	SZ8063.1 .050 x 019B
							1500	2400	85	25	60	SZ8063.1 .050 x 025B
							1500	2400	99	32	67	SZ8063.1 .050 x 032B
							1500	2400	111	38	73	SZ8063.1 .050 x 038B
							1500	2400	135	50	85	SZ8063.1 .050 x 050B
							1500	2400	161	63	98	SZ8063.1 .050 x 063B
							1500	2400	200	80	120	SZ8063.1 .050 x 080B
							1500	2400	235	100	135	SZ8063.1 .050 x 100B
							1500	2400	285	125	160	SZ8063.1 .050 x 125B
63	38	M10	centred	176			2000	2720	45	5	40	SZ8063.1 .063 x 005B

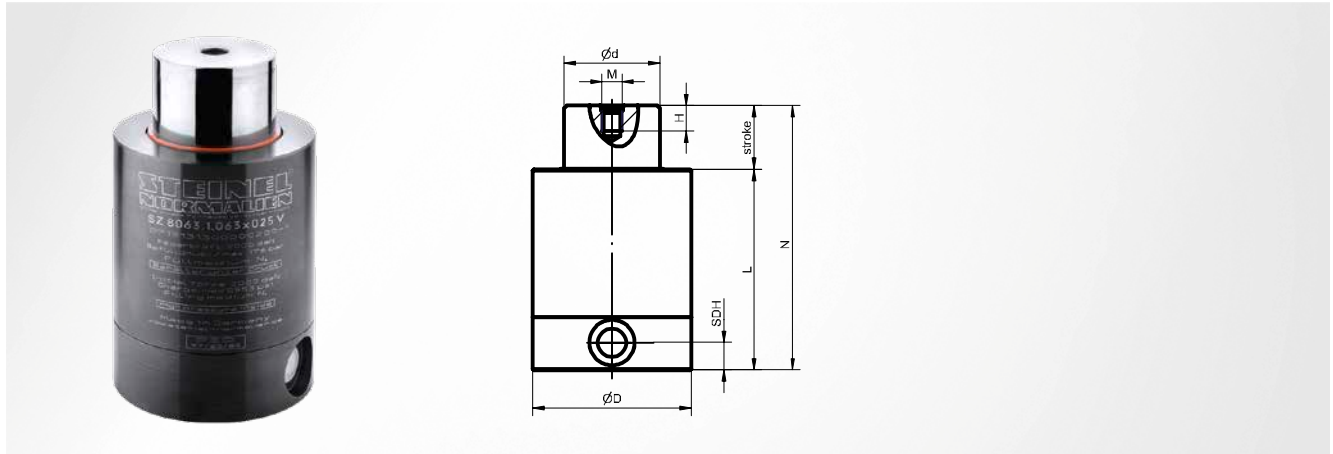
SZ8063.1.B Nitrogen cylinder

self-sufficient, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	M10	centred	176	M8	8	2000	3080	55	10	45	SZ8063.1 .063 x 010B
							2000	3200	65	15	50	SZ8063.1 .063 x 015B
							2000	3200	73	19	54	SZ8063.1 .063 x 019B
							2000	3200	85	25	60	SZ8063.1 .063 x 025B
							2000	3200	99	32	67	SZ8063.1 .063 x 032B
							2000	3200	111	38	73	SZ8063.1 .063 x 038B
							2000	3200	135	50	85	SZ8063.1 .063 x 050B
							2000	3200	161	63	98	SZ8063.1 .063 x 063B
							2000	3200	200	80	120	SZ8063.1 .063 x 080B
							2000	3200	235	100	135	SZ8063.1 .063 x 100B
75	45	M12	centred	189	M8	8	3000	4050	50	5	45	SZ8063.1 .075 x 005B
							3000	4800	70	15	55	SZ8063.1 .075 x 015B
							3000	4800	78	19	59	SZ8063.1 .075 x 019B
							3000	4800	90	25	65	SZ8063.1 .075 x 025B
							3000	4800	104	32	72	SZ8063.1 .075 x 032B
							3000	4800	116	38	78	SZ8063.1 .075 x 038B
							3000	4800	140	50	90	SZ8063.1 .075 x 050B
							3000	4800	166	63	103	SZ8063.1 .075 x 063B
							3000	4800	205	80	125	SZ8063.1 .075 x 080B
							3000	4800	245	100	145	SZ8063.1 .075 x 100B
95	55	M12	centred	210	M8	8	5000	7000	60	5	55	SZ8063.1 .095 x 005B
							5000	8000	70	10	60	SZ8063.1 .095 x 010B
							5000	8000	80	15	65	SZ8063.1 .095 x 015B
							5000	8000	88	19	69	SZ8063.1 .095 x 019B
							5000	8000	100	25	75	SZ8063.1 .095 x 025B
							5000	8000	114	32	82	SZ8063.1 .095 x 032B
							5000	8000	125	38	87	SZ8063.1 .095 x 038B
							5000	8000	150	50	100	SZ8063.1 .095 x 050B
							5000	8000	176	63	113	SZ8063.1 .095 x 063B
							5000	8000	210	80	130	SZ8063.1 .095 x 080B
95	55	M12	centred	210	M8	8	5000	8000	250	100	150	SZ8063.1 .095 x 100B
							5000	8000	300	125	175	SZ8063.1 .095 x 125B



from D 50, the medium thread is only used for filling



Base

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

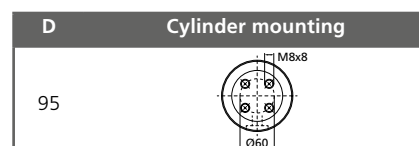
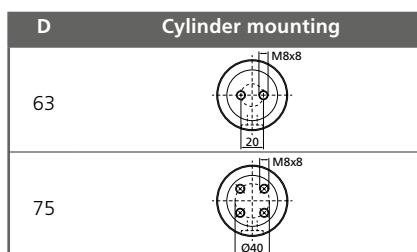
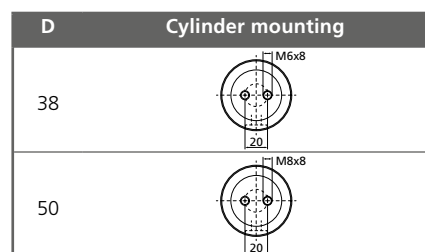
will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
38	22	G1/8	on the side	197			750	1050	60	5	55	SZ8063.1 .038 x 005V
38	22	G1/8	on the side	197	M6	6	750	1155	70	10	60	SZ8063.1 .038 x 010V
							750	1200	80	15	65	SZ8063.1 .038 x 015V
							750	1200	88	19	69	SZ8063.1 .038 x 019V
							750	1200	100	25	75	SZ8063.1 .038 x 025V
							750	1200	114	32	82	SZ8063.1 .038 x 032V
							750	1200	126	38	88	SZ8063.1 .038 x 038V
							750	1200	150	50	100	SZ8063.1 .038 x 050V
							750	1200	176	63	113	SZ8063.1 .038 x 063V
							750	1200	210	80	130	SZ8063.1 .038 x 080V
							750	1200	250	100	150	SZ8063.1 .038 x 100V
							750	1200	300	125	175	SZ8063.1 .038 x 125V
50	30	G1/8	on the side	212			1500	2130	65	5	60	SZ8063.1 .050 x 005V
50	30	G1/8	on the side	212	M8	8	1500	2310	75	10	65	SZ8063.1 .050 x 010V
							1500	2400	85	15	70	SZ8063.1 .050 x 015V
							1500	2400	93	19	74	SZ8063.1 .050 x 019V
							1500	2400	105	25	80	SZ8063.1 .050 x 025V
							1500	2400	119	32	87	SZ8063.1 .050 x 032V
							1500	2400	131	38	93	SZ8063.1 .050 x 038V
							1500	2400	155	50	105	SZ8063.1 .050 x 050V
							1500	2400	181	63	118	SZ8063.1 .050 x 063V
							1500	2400	220	80	140	SZ8063.1 .050 x 080V
							1500	2400	255	100	155	SZ8063.1 .050 x 100V
							1500	2400	305	125	180	SZ8063.1 .050 x 125V
63	38	G1/8	on the side	176			2000	2720	65	5	60	SZ8063.1 .063 x 005V
63	38	G1/8	on the side	176	M8	8	2000	3080	75	10	65	SZ8063.1 .063 x 010V
							2000	3200	85	15	70	SZ8063.1 .063 x 015V
							2000	3200	93	19	74	SZ8063.1 .063 x 019V
							2000	3200	105	25	80	SZ8063.1 .063 x 025V
							2000	3200	119	32	87	SZ8063.1 .063 x 032V
							2000	3200	131	38	93	SZ8063.1 .063 x 038V
							2000	3200	155	50	105	SZ8063.1 .063 x 050V
							2000	3200	181	63	118	SZ8063.1 .063 x 063V

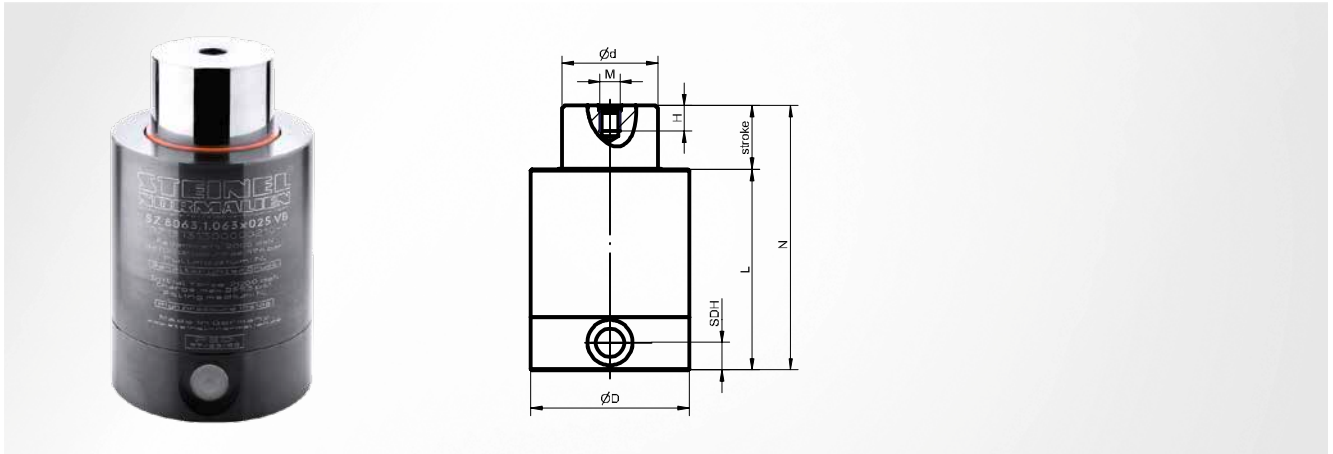
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	G1/8	on the side	176	M8	8	2000	3200	220	80	140	SZ8063.1 .063 x 080V
							2000	3200	255	100	155	SZ8063.1 .063 x 100V
							2000	3200	305	125	180	SZ8063.1 .063 x 125V
75	45	G1/8	on the side	189	M8	8	3000	4050	70	5	65	SZ8063.1 .075 x 005V
75	45	G1/8	on the side	189			3000	4590	80	10	70	SZ8063.1 .075 x 010V
							3000	4800	90	15	75	SZ8063.1 .075 x 015V
							3000	4800	98	19	79	SZ8063.1 .075 x 019V
							3000	4800	110	25	85	SZ8063.1 .075 x 025V
							3000	4800	124	32	92	SZ8063.1 .075 x 032V
							3000	4800	136	38	98	SZ8063.1 .075 x 038V
							3000	4800	160	50	110	SZ8063.1 .075 x 050V
							3000	4800	186	63	123	SZ8063.1 .075 x 063V
							3000	4800	225	80	145	SZ8063.1 .075 x 080V
							3000	4800	265	100	165	SZ8063.1 .075 x 100V
							3000	4800	315	125	190	SZ8063.1 .075 x 125V
95	55	G1/8	on the side	210	M8	8	5000	7000	80	5	75	SZ8063.1 .095 x 005V
95	55	G1/8	on the side	210			5000	7800	90	10	80	SZ8063.1 .095 x 010V
							5000	8000	100	15	85	SZ8063.1 .095 x 015V
							5000	8000	108	19	89	SZ8063.1 .095 x 019V
							5000	8000	120	25	95	SZ8063.1 .095 x 025V
							5000	8000	134	32	102	SZ8063.1 .095 x 032V
							5000	8000	145	38	107	SZ8063.1 .095 x 038V
							5000	8000	170	50	120	SZ8063.1 .095 x 050V
							5000	8000	196	63	133	SZ8063.1 .095 x 063V
							5000	8000	230	80	150	SZ8063.1 .095 x 080V
							5000	8000	270	100	170	SZ8063.1 .095 x 100V
							5000	8000	320	125	195	SZ8063.1 .095 x 125V



SZ8063.1.VB Connecting nitrogen cylinder

STEINEL®

with burst protection



Base

Composite base; with burst protection

Delivery

will be supplied unfilled

Burst protection

integrated

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

Filling

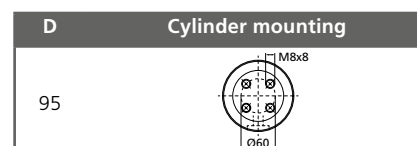
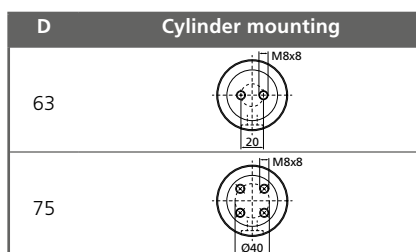
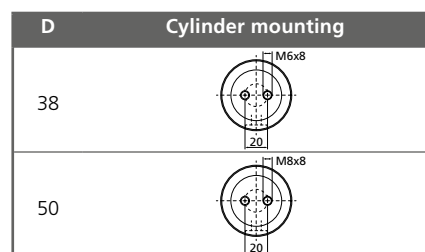
carried out via composite system

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
38	22	G1/8	on the side	197			750	1050	60	5	55	SZ8063.1 .038 x 005VB
38	22	G1/8	on the side	197	M6	6	750	1155	70	10	60	SZ8063.1 .038 x 010VB
							750	1200	80	15	65	SZ8063.1 .038 x 015VB
							750	1200	88	19	69	SZ8063.1 .038 x 019VB
							750	1200	100	25	75	SZ8063.1 .038 x 025VB
							750	1200	114	32	82	SZ8063.1 .038 x 032VB
							750	1200	126	38	88	SZ8063.1 .038 x 038VB
							750	1200	150	50	100	SZ8063.1 .038 x 050VB
							750	1200	176	63	113	SZ8063.1 .038 x 063VB
							750	1200	210	80	130	SZ8063.1 .038 x 080VB
							750	1200	250	100	150	SZ8063.1 .038 x 100VB
							750	1200	300	125	175	SZ8063.1 .038 x 125VB
50	30	G1/8	on the side	212			1500	2130	65	5	60	SZ8063.1 .050 x 005VB
50	30	G1/8	on the side	212	M8	8	1500	2310	75	10	65	SZ8063.1 .050 x 010VB
							1500	2400	85	15	70	SZ8063.1 .050 x 015VB
							1500	2400	93	19	74	SZ8063.1 .050 x 019VB
							1500	2400	105	25	80	SZ8063.1 .050 x 025VB
							1500	2400	119	32	87	SZ8063.1 .050 x 032VB
							1500	2400	131	38	93	SZ8063.1 .050 x 038VB
							1500	2400	155	50	105	SZ8063.1 .050 x 050VB
							1500	2400	181	63	118	SZ8063.1 .050 x 063VB
							1500	2400	220	80	140	SZ8063.1 .050 x 080VB
							1500	2400	255	100	155	SZ8063.1 .050 x 100VB
							1500	2400	305	125	180	SZ8063.1 .050 x 125VB
63	38	G1/8	on the side	176			2000	2720	65	5	60	SZ8063.1 .063 x 005VB
63	38	G1/8	on the side	176	M8	8	2000	3080	75	10	65	SZ8063.1 .063 x 010VB
							2000	3200	85	15	70	SZ8063.1 .063 x 015VB
							2000	3200	93	19	74	SZ8063.1 .063 x 019VB
							2000	3200	105	25	80	SZ8063.1 .063 x 025VB
							2000	3200	119	32	87	SZ8063.1 .063 x 032VB
							2000	3200	131	38	93	SZ8063.1 .063 x 038VB
							2000	3200	155	50	105	SZ8063.1 .063 x 050VB
							2000	3200	181	63	118	SZ8063.1 .063 x 063VB

SZ8063.1.VB Connecting nitrogen cylinder

with burst protection

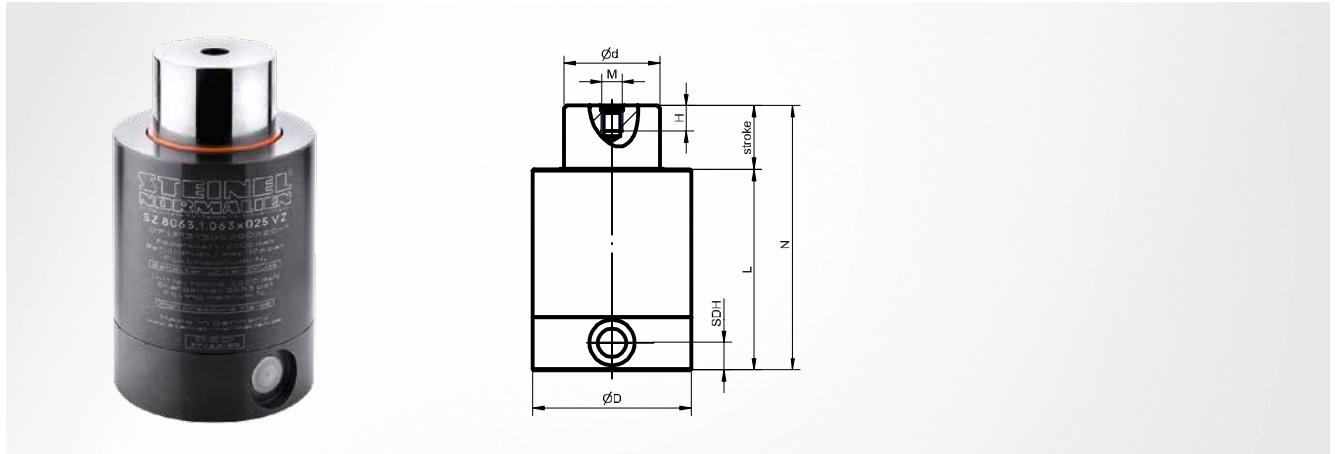
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	G1/8	on the side	176	M8	8	2000	3200	220	80	140	SZ8063.1 .063 x 080VB
							2000	3200	255	100	155	SZ8063.1 .063 x 100VB
							2000	3200	305	125	180	SZ8063.1 .063 x 125VB
75	45	G1/8	on the side	189	M8	8	3000	4050	70	5	65	SZ8063.1 .075 x 005VB
75	45	G1/8	on the side	189			3000	4590	80	10	70	SZ8063.1 .075 x 010VB
							3000	4800	90	15	75	SZ8063.1 .075 x 015VB
							3000	4800	98	19	79	SZ8063.1 .075 x 019VB
							3000	4800	110	25	85	SZ8063.1 .075 x 025VB
							3000	4800	124	32	92	SZ8063.1 .075 x 032VB
							3000	4800	136	38	98	SZ8063.1 .075 x 038VB
							3000	4800	160	50	110	SZ8063.1 .075 x 050VB
							3000	4800	186	63	123	SZ8063.1 .075 x 063VB
							3000	4800	225	80	145	SZ8063.1 .075 x 080VB
							3000	4800	265	100	165	SZ8063.1 .075 x 100VB
3000	4800	315	125	190	SZ8063.1 .075 x 125VB							
95	55	G1/8	on the side	210	M8	8	5000	7000	80	5	75	SZ8063.1 .095 x 005VB
95	55	G1/8	on the side	210			5000	7800	90	10	80	SZ8063.1 .095 x 010VB
							5000	8000	100	15	85	SZ8063.1 .095 x 015VB
							5000	8000	108	19	89	SZ8063.1 .095 x 019VB
							5000	8000	120	25	95	SZ8063.1 .095 x 025VB
							5000	8000	134	32	102	SZ8063.1 .095 x 032VB
							5000	8000	145	38	107	SZ8063.1 .095 x 038VB
							5000	8000	170	50	120	SZ8063.1 .095 x 050VB
							5000	8000	196	63	133	SZ8063.1 .095 x 063VB
							5000	8000	230	80	150	SZ8063.1 .095 x 080VB
							5000	8000	270	100	170	SZ8063.1 .095 x 100VB
5000	8000	320	125	195	SZ8063.1 .095 x 125VB							



SZ8063.1.VZ Connecting nitrogen cylinder

STEINEL®

2 connections, with burst protection



Base

Composite base; with burst protection; 2 connections

Delivery

will be supplied unfilled

Burst protection

integrated

Filling

carried out via composite system

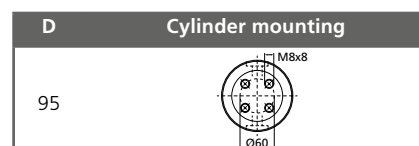
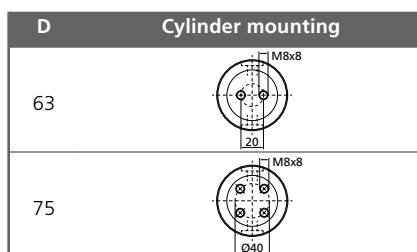
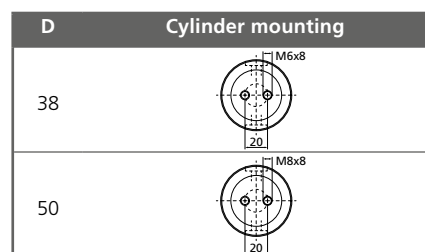
Installation instruction

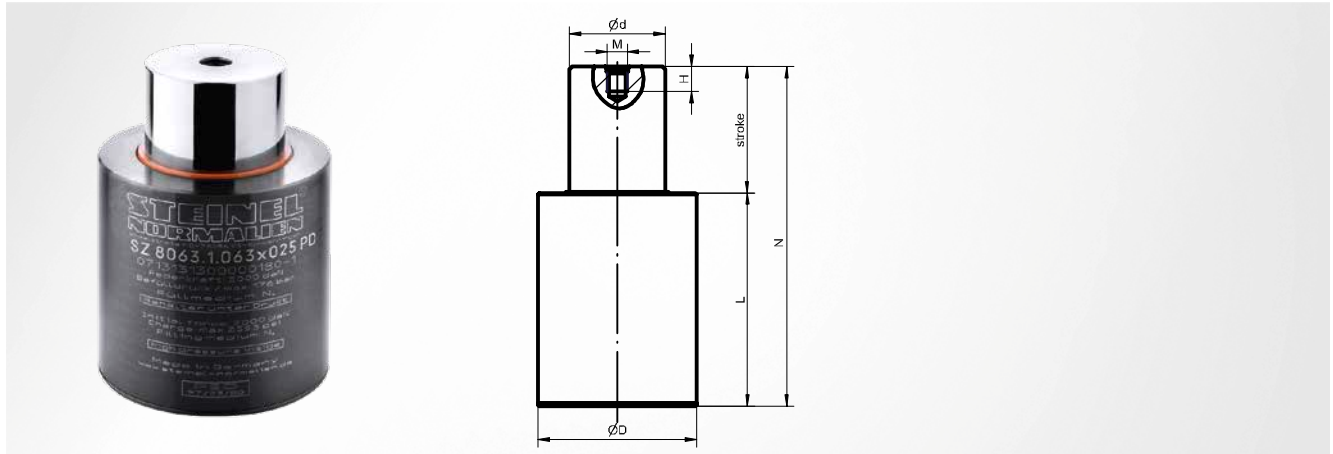
Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
38	22	G1/8	on the side	197			750	1050	60	5	55	SZ8063.1 .038 x 005VZ
38	22	G1/8	on the side	197	M6	6	750	1155	70	10	60	SZ8063.1 .038 x 010VZ
							750	1200	80	15	65	SZ8063.1 .038 x 015VZ
							750	1200	88	19	69	SZ8063.1 .038 x 019VZ
							750	1200	100	25	75	SZ8063.1 .038 x 025VZ
							750	1200	114	32	82	SZ8063.1 .038 x 032VZ
							750	1200	126	38	88	SZ8063.1 .038 x 038VZ
							750	1200	150	50	100	SZ8063.1 .038 x 050VZ
							750	1200	176	63	113	SZ8063.1 .038 x 063VZ
							750	1200	210	80	130	SZ8063.1 .038 x 080VZ
							750	1200	250	100	150	SZ8063.1 .038 x 100VZ
							750	1200	300	125	175	SZ8063.1 .038 x 125VZ
50	30	G1/8	on the side	212			1500	2130	65	5	60	SZ8063.1 .050 x 005VZ
50	30	G1/8	on the side	212	M8	8	1500	2310	75	10	65	SZ8063.1 .050 x 010VZ
							1500	2400	85	15	70	SZ8063.1 .050 x 015VZ
							1500	2400	93	19	74	SZ8063.1 .050 x 019VZ
							1500	2400	105	25	80	SZ8063.1 .050 x 025VZ
							1500	2400	119	32	87	SZ8063.1 .050 x 032VZ
							1500	2400	131	38	93	SZ8063.1 .050 x 038VZ
							1500	2400	155	50	105	SZ8063.1 .050 x 050VZ
							1500	2400	181	63	118	SZ8063.1 .050 x 063VZ
							1500	2400	220	80	140	SZ8063.1 .050 x 080VZ
							1500	2400	255	100	155	SZ8063.1 .050 x 100VZ
							1500	2400	305	125	180	SZ8063.1 .050 x 125VZ
63	38	G1/8	on the side	176			2000	2720	65	5	60	SZ8063.1 .063 x 005VZ
63	38	G1/8	on the side	176	M8	8	2000	3080	75	10	65	SZ8063.1 .063 x 010VZ
							2000	3200	85	15	70	SZ8063.1 .063 x 015VZ
							2000	3200	93	19	74	SZ8063.1 .063 x 019VZ
							2000	3200	105	25	80	SZ8063.1 .063 x 025VZ
							2000	3200	119	32	87	SZ8063.1 .063 x 032VZ
							2000	3200	131	38	93	SZ8063.1 .063 x 038VZ
							2000	3200	155	50	105	SZ8063.1 .063 x 050VZ
							2000	3200	181	63	118	SZ8063.1 .063 x 063VZ

2 connections, with burst protection

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	G1/8	on the side	176	M8	8	2000	3200	220	80	140	SZ8063.1 .063 x 080VZ
							2000	3200	255	100	155	SZ8063.1 .063 x 100VZ
							2000	3200	305	125	180	SZ8063.1 .063 x 125VZ
75	45	G1/8	on the side	189	M8	8	3000	4050	70	5	65	SZ8063.1 .075 x 005VZ
75	45	G1/8	on the side	189			3000	4590	80	10	70	SZ8063.1 .075 x 010VZ
							3000	4800	90	15	75	SZ8063.1 .075 x 015VZ
							3000	4800	98	19	79	SZ8063.1 .075 x 019VZ
							3000	4800	110	25	85	SZ8063.1 .075 x 025VZ
							3000	4800	124	32	92	SZ8063.1 .075 x 032VZ
							3000	4800	136	38	98	SZ8063.1 .075 x 038VZ
							3000	4800	160	50	110	SZ8063.1 .075 x 050VZ
							3000	4800	186	63	123	SZ8063.1 .075 x 063VZ
							3000	4800	215	80	140	SZ8063.1 .075 x 080VZ
							3000	4800	265	100	165	SZ8063.1 .075 x 100VZ
3000	4800	315	125	190	SZ8063.1 .075 x 125VZ							
95	55	G1/8	on the side	210	M8	8	5000	7000	80	5	75	SZ8063.1 .095 x 005VZ
95	55	G1/8	on the side	210			5000	7800	90	10	80	SZ8063.1 .095 x 010VZ
							5000	8000	100	15	85	SZ8063.1 .095 x 015VZ
							5000	8000	108	19	89	SZ8063.1 .095 x 019VZ
							5000	8000	120	25	95	SZ8063.1 .095 x 025VZ
							5000	8000	134	32	102	SZ8063.1 .095 x 032VZ
							5000	8000	145	38	107	SZ8063.1 .095 x 038VZ
							5000	8000	170	50	120	SZ8063.1 .095 x 050VZ
							5000	8000	196	63	133	SZ8063.1 .095 x 063VZ
							5000	8000	230	80	150	SZ8063.1 .095 x 080VZ
							5000	8000	270	100	170	SZ8063.1 .095 x 100VZ
5000	8000	320	125	195	SZ8063.1 .095 x 125VZ							





Base

Composite plate floor

Burst protection

not integrated

Filling

carried out via composite system

Delivery

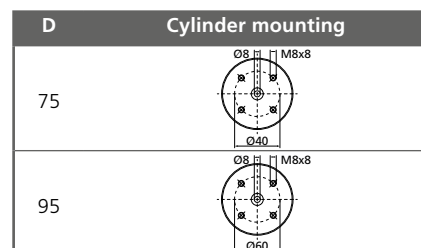
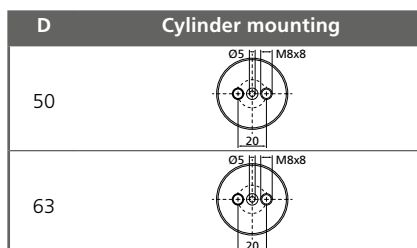
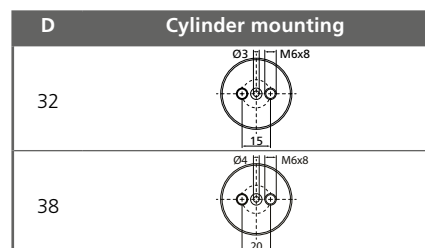
will be supplied unfilled

Installation instruction

Springs are screwed on through the composite panel by means of the base mounting threads; the plate must be flat and have a minimum surface roughness of Rz 6.3 in the area of the spring diameter; composite plate springs must be filled with oil to 1 % of the volume of the spring; filling is carried out via the connected control panel

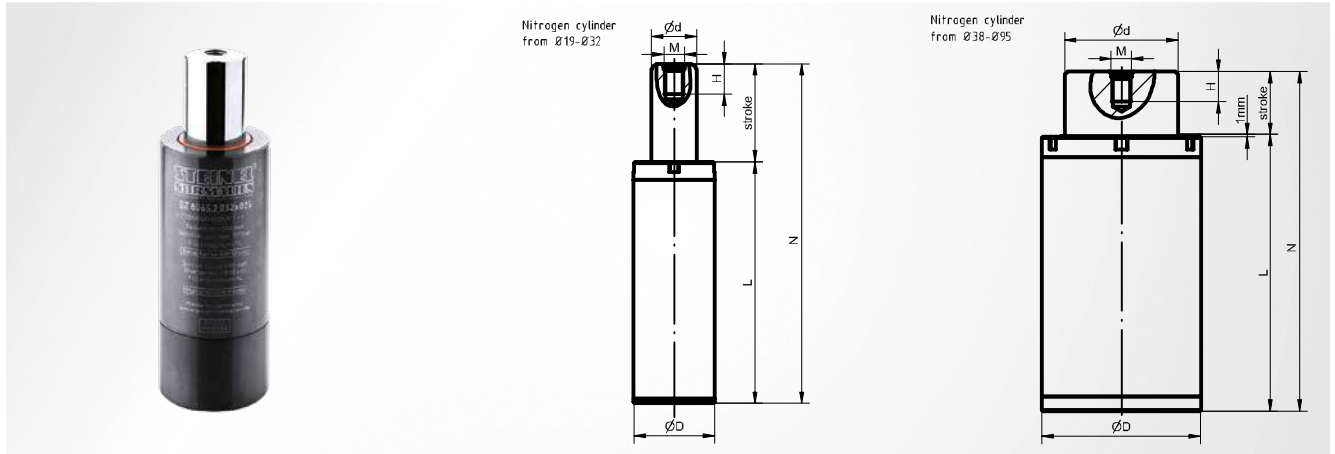
D	d	Filling pressure max. bar	M	H			N	Stroke	L	Item number
					daN	daN				
32	18	196	M6	6	500	700	40	5	35	SZ8063.1 .032 x 005PD
32	18	196			500	760	50	10	40	SZ8063.1 .032 x 010PD
					500	800	56	13	43	SZ8063.1 .032 x 013PD
					500	800	60	15	45	SZ8063.1 .032 x 015PD
					500	800	68	19	49	SZ8063.1 .032 x 019PD
					500	800	80	25	55	SZ8063.1 .032 x 025PD
					500	800	94	32	62	SZ8063.1 .032 x 032PD
					500	800	106	38	68	SZ8063.1 .032 x 038PD
					500	800	130	50	80	SZ8063.1 .032 x 050PD
					500	800	156	63	93	SZ8063.1 .032 x 063PD
					500	800	190	80	110	SZ8063.1 .032 x 080PD
					500	800	230	100	130	SZ8063.1 .032 x 100PD
					500	800	280	125	155	SZ8063.1 .032 x 125PD
38	22	197	M6	6	750	1050	40	5	35	SZ8063.1 .038 x 005PD
38	22	197			750	1155	50	10	40	SZ8063.1 .038 x 010PD
					750	1200	56	13	43	SZ8063.1 .038 x 013PD
					750	1200	60	15	45	SZ8063.1 .038 x 015PD
					750	1200	68	19	49	SZ8063.1 .038 x 019PD
					750	1200	80	25	55	SZ8063.1 .038 x 025PD
					750	1200	94	32	62	SZ8063.1 .038 x 032PD
					750	1200	106	38	68	SZ8063.1 .038 x 038PD
					750	1200	130	50	80	SZ8063.1 .038 x 050PD
					750	1200	156	63	93	SZ8063.1 .038 x 063PD
					750	1200	190	80	110	SZ8063.1 .038 x 080PD
					750	1200	230	100	130	SZ8063.1 .038 x 100PD
					750	1200	280	125	155	SZ8063.1 .038 x 125PD
50	30	212	M8	8	1500	2130	45	5	40	SZ8063.1 .050 x 005PD
50	30	212			1500	2310	55	10	45	SZ8063.1 .050 x 010PD
					1500	2400	65	15	50	SZ8063.1 .050 x 015PD
					1500	2400	73	19	54	SZ8063.1 .050 x 019PD
					1500	2400	85	25	60	SZ8063.1 .050 x 025PD

D	d	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
50	30	212	M8	8			99	32	67	SZ8063.1 .050 x 032PD
							111	38	73	SZ8063.1 .050 x 038PD
							135	50	85	SZ8063.1 .050 x 050PD
							161	63	98	SZ8063.1 .050 x 063PD
							200	80	120	SZ8063.1 .050 x 080PD
							235	100	135	SZ8063.1 .050 x 100PD
							285	125	160	SZ8063.1 .050 x 125PD
63	38	176	M8	8			45	5	40	SZ8063.1 .063 x 005PD
63	38	176					55	10	45	SZ8063.1 .063 x 010PD
							65	15	50	SZ8063.1 .063 x 015PD
							73	19	54	SZ8063.1 .063 x 019PD
							85	25	60	SZ8063.1 .063 x 025PD
							99	32	67	SZ8063.1 .063 x 032PD
							111	38	73	SZ8063.1 .063 x 038PD
							135	50	85	SZ8063.1 .063 x 050PD
							161	63	98	SZ8063.1 .063 x 063PD
							200	80	120	SZ8063.1 .063 x 080PD
							235	100	135	SZ8063.1 .063 x 100PD
							285	125	160	SZ8063.1 .063 x 125PD
75	45	189			M8	8			50	5
75	45	189					60	10	50	SZ8063.1 .075 x 010PD
							70	15	55	SZ8063.1 .075 x 015PD
							78	19	59	SZ8063.1 .075 x 019PD
							90	25	65	SZ8063.1 .075 x 025PD
							104	32	72	SZ8063.1 .075 x 032PD
							116	38	78	SZ8063.1 .075 x 038PD
							140	50	90	SZ8063.1 .075 x 050PD
							166	63	103	SZ8063.1 .075 x 063PD
							205	80	125	SZ8063.1 .075 x 080PD
							245	100	145	SZ8063.1 .075 x 100PD
							295	125	170	SZ8063.1 .075 x 125PD
95	55	210					60	5	55	SZ8063.1 .095 x 005PD
95	55	210					70	10	60	SZ8063.1 .095 x 010PD
							80	15	65	SZ8063.1 .095 x 015PD
							88	19	69	SZ8063.1 .095 x 019PD
							100	25	75	SZ8063.1 .095 x 025PD
							114	32	82	SZ8063.1 .095 x 032PD
							125	38	87	SZ8063.1 .095 x 038PD
							150	50	100	SZ8063.1 .095 x 050PD
							176	63	113	SZ8063.1 .095 x 063PD
					210	80	130	SZ8063.1 .095 x 080PD		
					250	100	150	SZ8063.1 .095 x 100PD		
					300	125	175	SZ8063.1 .095 x 125PD		



SZ8065.2. Nitrogen cylinder

self-sufficient



Base

Standard base

Filling

with standard nitrogen

Burst protection

not integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	158	150	240			75	10	65	SZ8065.2 .019 x 010
									85	15	70	SZ8065.2 .019 x 015
									105	25	80	SZ8065.2 .019 x 025
									135	38	97	SZ8065.2 .019 x 038
									160	50	110	SZ8065.2 .019 x 050
									190	63	127	SZ8065.2 .019 x 063
									220	80	140	SZ8065.2 .019 x 080
25	14	M8	centred	196	300	480			75	10	65	SZ8065.2 .025 x 010
									85	15	70	SZ8065.2 .025 x 015
							M6	6	105	25	80	SZ8065.2 .025 x 025
							M6	6	135	38	97	SZ8065.2 .025 x 038
							M6	6	160	50	110	SZ8065.2 .025 x 050
							M6	6	190	63	127	SZ8065.2 .025 x 063
							M6	6	225	80	145	SZ8065.2 .025 x 080
32	18	M8	centred	196	500	800	M6	6	75	10	65	SZ8065.2 .032 x 010
							M6	6	85	15	70	SZ8065.2 .032 x 015
							M6	6	105	25	80	SZ8065.2 .032 x 025
							M6	6	135	38	97	SZ8065.2 .032 x 038
							M6	6	160	50	110	SZ8065.2 .032 x 050
							M6	6	195	63	132	SZ8065.2 .032 x 063
							M6	6	230	80	150	SZ8065.2 .032 x 080
38	25	M8	centred	205	1000	1600	M6	6	75	10	65	SZ8065.2 .038 x 010
							M6	6	85	15	70	SZ8065.2 .038 x 015
							M6	6	105	25	80	SZ8065.2 .038 x 025
							M6	6	135	38	97	SZ8065.2 .038 x 038
							M6	6	160	50	110	SZ8065.2 .038 x 050
							M6	6	205	63	142	SZ8065.2 .038 x 063
							M6	6	240	80	160	SZ8065.2 .038 x 080
50	35	M10	centred	209	2000	3200	M8	8	105	10	95	SZ8065.2 .050 x 010
							M8	8	115	15	100	SZ8065.2 .050 x 015
							M8	8	135	25	110	SZ8065.2 .050 x 025
							M8	8	165	38	127	SZ8065.2 .050 x 038
							M8	8	190	50	140	SZ8065.2 .050 x 050
							M8	8	220	63	157	SZ8065.2 .050 x 063
							M8	8	255	80	175	SZ8065.2 .050 x 080
63	45	M10	centred	189	3000	4800	M8	8	105	10	95	SZ8065.2 .063 x 010
							M8	8	115	15	100	SZ8065.2 .063 x 015

SZ8065.2. Nitrogen cylinder



self-sufficient

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
63	45	M10	centred	189	3000	4800	M8	8	135	25	110	SZ8065.2 .063 x 025
							M8	8	165	38	127	SZ8065.2 .063 x 038
							M8	8	190	50	140	SZ8065.2 .063 x 050
							M8	8	220	63	157	SZ8065.2 .063 x 063
							M8	8	255	80	175	SZ8065.2 .063 x 080
75	56	M12	centred	203	5000	8000	M8	8	115	10	105	SZ8065.2 .075 x 010
							M8	8	125	15	110	SZ8065.2 .075 x 015
							M8	8	145	25	120	SZ8065.2 .075 x 025
							M8	8	175	38	137	SZ8065.2 .075 x 038
							M8	8	200	50	150	SZ8065.2 .075 x 050
							M8	8	240	63	177	SZ8065.2 .075 x 063
95	75	M12	centred	182	8000	12800	M8	8	275	80	195	SZ8065.2 .075 x 080
							M8	8	125	10	115	SZ8065.2 .095 x 010
							M8	8	135	15	120	SZ8065.2 .095 x 015
							M8	8	155	25	130	SZ8065.2 .095 x 025
							M8	8	185	38	147	SZ8065.2 .095 x 038
							M8	8	215	50	165	SZ8065.2 .095 x 050
							M8	8	255	63	192	SZ8065.2 .095 x 063
							M8	8	290	80	210	SZ8065.2 .095 x 080

D	Cylinder mounting
19	
25	
32	

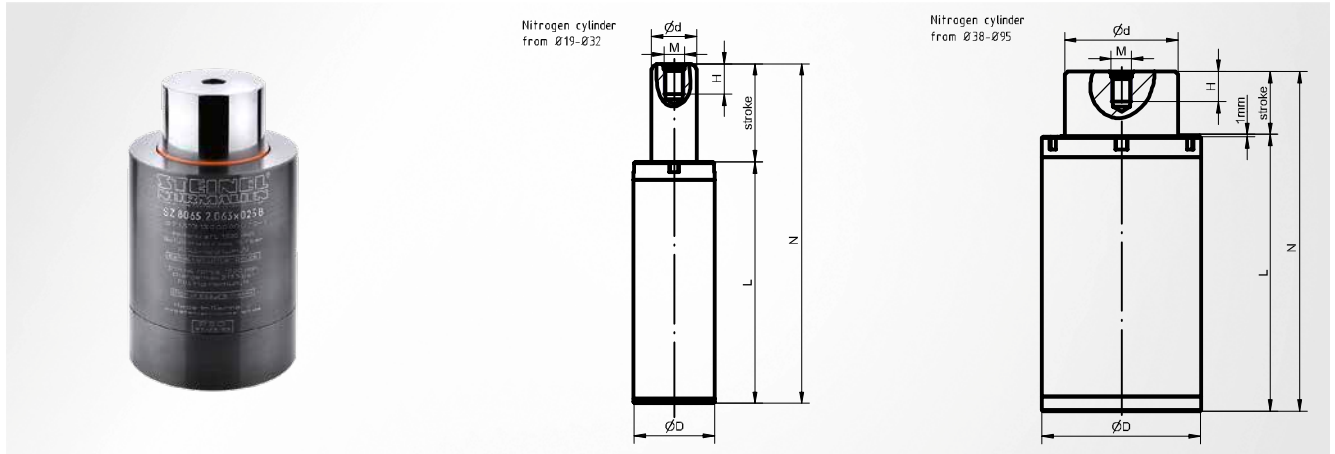
D	Cylinder mounting
38	
50	
63	

D	Cylinder mounting
75	
95	

from D 38, the medium thread is only used for filling

SZ8065.2.B Nitrogen cylinder

self-sufficient, with burst protection



Base

Standard base; with burst protection

Filling

with standard nitrogen

Burst protection

integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
32	18	M8	centred	196	500	800	M6	6	75	10	65	SZ8065.2 .032 x 010B
									85	15	70	SZ8065.2 .032 x 015B
									105	25	80	SZ8065.2 .032 x 025B
									135	38	97	SZ8065.2 .032 x 038B
									160	50	110	SZ8065.2 .032 x 050B
									195	63	132	SZ8065.2 .032 x 063B
									230	80	150	SZ8065.2 .032 x 080B
38	25	M8	centred	205	1000	1600	M8	6	75	10	65	SZ8065.2 .038 x 010B
									85	15	70	SZ8065.2 .038 x 015B
									105	25	80	SZ8065.2 .038 x 025B
									135	38	97	SZ8065.2 .038 x 038B
									160	50	110	SZ8065.2 .038 x 050B
									205	63	142	SZ8065.2 .038 x 063B
									240	80	160	SZ8065.2 .038 x 080B
50	35	M8	centred	209	2000	3200	M8	8	105	10	95	SZ8065.2 .050 x 010B
									115	15	100	SZ8065.2 .050 x 015B
									135	25	110	SZ8065.2 .050 x 025B
									165	38	127	SZ8065.2 .050 x 038B
									190	50	140	SZ8065.2 .050 x 050B
									220	63	157	SZ8065.2 .050 x 063B
									255	80	175	SZ8065.2 .050 x 080B
63	45	M8	centred	189	3000	4800	M8	8	105	10	95	SZ8065.2 .063 x 010B
									115	15	100	SZ8065.2 .063 x 015B
									135	25	110	SZ8065.2 .063 x 025B
									165	38	127	SZ8065.2 .063 x 038B
									190	50	140	SZ8065.2 .063 x 050B
									220	63	157	SZ8065.2 .063 x 063B
									255	80	175	SZ8065.2 .063 x 080B
75	56	M8	centred	203	5000	8000	M8	8	115	10	105	SZ8065.2 .075 x 010B
									125	15	110	SZ8065.2 .075 x 015B
									145	25	120	SZ8065.2 .075 x 025B
									175	38	137	SZ8065.2 .075 x 038B
									200	50	150	SZ8065.2 .075 x 050B
									240	63	177	SZ8065.2 .075 x 063B
									275	80	195	SZ8065.2 .075 x 080B
95	75	M8	centred	182	8000	12800	M8	8	125	10	115	SZ8065.2 .095 x 010B
									135	15	120	SZ8065.2 .095 x 015B

SZ8065.2.B Nitrogen cylinder

self-sufficient, with burst protection



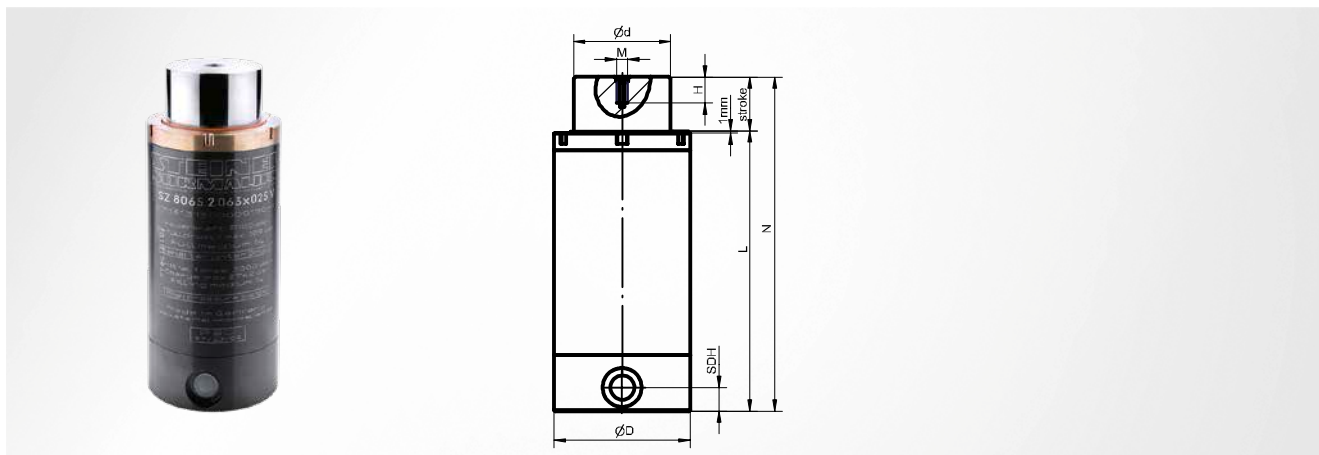
D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	75	M8	centred	182	8000	12800	M8	8	155	25	130	SZ8065.2 .095 x 025B
									185	38	147	SZ8065.2 .095 x 038B
									215	50	165	SZ8065.2 .095 x 050B
									255	63	192	SZ8065.2 .095 x 063B
									290	80	210	SZ8065.2 .095 x 080B

D	Cylinder mounting
32	
38	

D	Cylinder mounting
50	
63	

D	Cylinder mounting
75	
95	

from D 38, the medium thread is only used for filling



Base

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

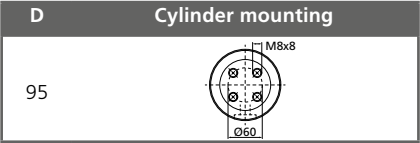
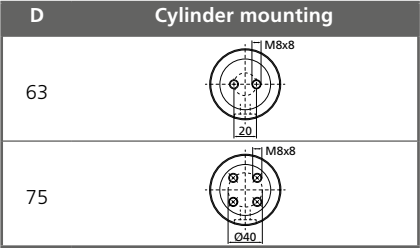
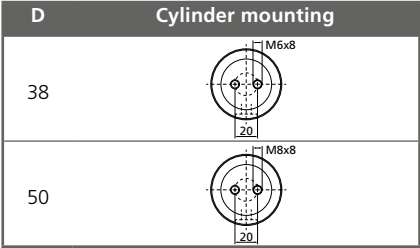
will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

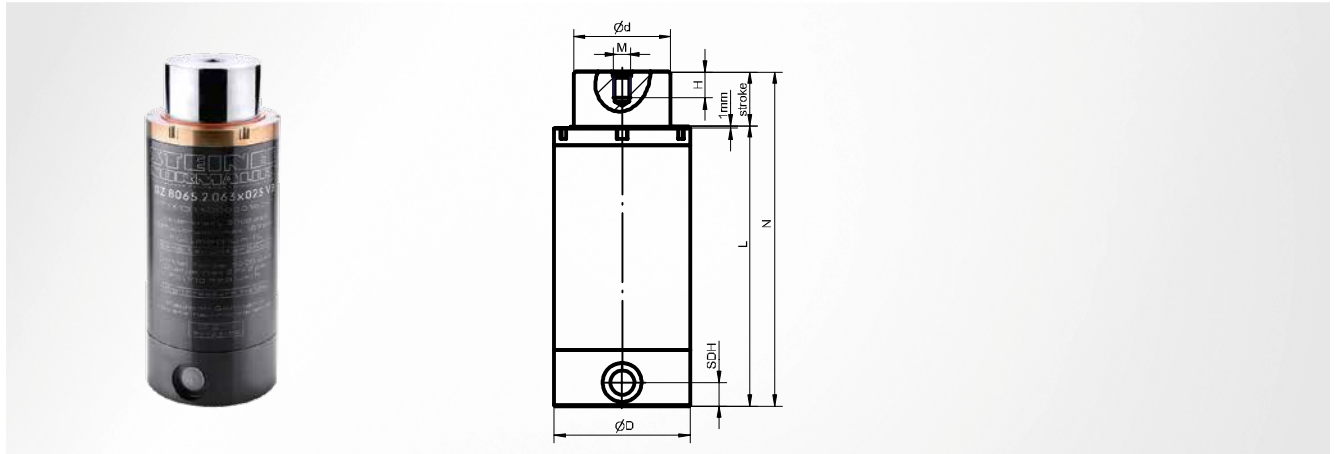
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	25	G1/8	on the side	205	1000	1600	M6	6	95	10	85	SZ8065.2 .038 x 010V
									105	15	90	SZ8065.2 .038 x 015V
									125	25	100	SZ8065.2 .038 x 025V
									155	38	117	SZ8065.2 .038 x 038V
									180	50	130	SZ8065.2 .038 x 050V
									225	63	162	SZ8065.2 .038 x 063V
									260	80	180	SZ8065.2 .038 x 080V
50	35	G1/8	on the side	209	2000	3200	M8	8	125	10	115	SZ8065.2 .050 x 010V
									135	15	120	SZ8065.2 .050 x 015V
									155	25	130	SZ8065.2 .050 x 025V
									185	38	147	SZ8065.2 .050 x 038V
									210	50	160	SZ8065.2 .050 x 050V
									240	63	177	SZ8065.2 .050 x 063V
									275	80	195	SZ8065.2 .050 x 080V
63	45	G1/8	on the side	189	3000	4800	M8	8	125	10	115	SZ8065.2 .063 x 010V
									135	15	120	SZ8065.2 .063 x 015V
									155	25	130	SZ8065.2 .063 x 025V
									185	38	147	SZ8065.2 .063 x 038V
									210	50	160	SZ8065.2 .063 x 050V
									240	63	177	SZ8065.2 .063 x 063V
									275	80	195	SZ8065.2 .063 x 080V
75	56	G1/8	on the side	203	5000	8000	M8	8	135	10	125	SZ8065.2 .075 x 010V
									145	15	130	SZ8065.2 .075 x 015V
									165	25	140	SZ8065.2 .075 x 025V
									195	38	157	SZ8065.2 .075 x 038V
									220	50	170	SZ8065.2 .075 x 050V
									260	63	197	SZ8065.2 .075 x 063V
									295	80	215	SZ8065.2 .075 x 080V
95	75	G1/8	on the side	182	8000	12800	M8	8	145	10	135	SZ8065.2 .095 x 010V
									155	15	140	SZ8065.2 .095 x 015V
									175	25	150	SZ8065.2 .095 x 025V
									205	38	167	SZ8065.2 .095 x 038V
									235	50	185	SZ8065.2 .095 x 050V

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	75	G1/8	on the side	182	8000	12800	M8	8	275	63	212	SZ8065.2 .095 x 063V
									310	80	230	SZ8065.2 .095 x 080V



SZ8065.2.VB Connecting nitrogen cylinder with burst protection

STEINEL®



Base

Composite base; with burst protection

Burst protection

integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

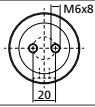
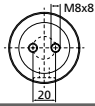
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	25	G1/8	on the side	205	1000	1600	M6	6	95	10	85	SZ8065.2 .038 x 010VB
									105	15	90	SZ8065.2 .038 x 015VB
									125	25	100	SZ8065.2 .038 x 025VB
									155	38	117	SZ8065.2 .038 x 038VB
									180	50	130	SZ8065.2 .038 x 050VB
									225	63	162	SZ8065.2 .038 x 063VB
									260	80	180	SZ8065.2 .038 x 080VB
50	35	G1/8	on the side	209	2000	3200	M8	8	125	10	115	SZ8065.2 .050 x 010VB
									135	15	120	SZ8065.2 .050 x 015VB
									155	25	130	SZ8065.2 .050 x 025VB
									185	38	147	SZ8065.2 .050 x 038VB
									210	50	160	SZ8065.2 .050 x 050VB
									240	63	177	SZ8065.2 .050 x 063VB
									275	80	195	SZ8065.2 .050 x 080VB
63	45	G1/8	on the side	189	3000	4800	M8	8	125	10	115	SZ8065.2 .063 x 010VB
									135	15	120	SZ8065.2 .063 x 015VB
									155	25	130	SZ8065.2 .063 x 025VB
									185	38	147	SZ8065.2 .063 x 038VB
									210	50	160	SZ8065.2 .063 x 050VB
									240	63	177	SZ8065.2 .063 x 063VB
									275	80	195	SZ8065.2 .063 x 080VB
75	56	G1/8	on the side	203	5000	8000	M8	8	135	10	125	SZ8065.2 .075 x 010VB
									145	15	130	SZ8065.2 .075 x 015VB
									165	25	140	SZ8065.2 .075 x 025VB
									195	38	157	SZ8065.2 .075 x 038VB
									220	50	170	SZ8065.2 .075 x 050VB
									260	63	197	SZ8065.2 .075 x 063VB
									295	80	215	SZ8065.2 .075 x 080VB
95	75	G1/8	on the side	182	8000	12800	M8	8	145	10	135	SZ8065.2 .095 x 010VB
									155	15	140	SZ8065.2 .095 x 015VB
									175	25	150	SZ8065.2 .095 x 025VB
									205	38	167	SZ8065.2 .095 x 038VB
									235	50	185	SZ8065.2 .095 x 050VB

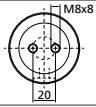
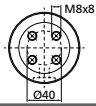
SZ8065.2.VB Connecting nitrogen cylinder

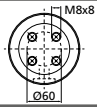
with burst protection



D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	75	G1/8	on the side	182	8000	12800	M8	8	275	63	212	SZ8065.2 .095 x 063VB
									310	80	230	SZ8065.2 .095 x 080VB

D	Cylinder mounting
38	
50	

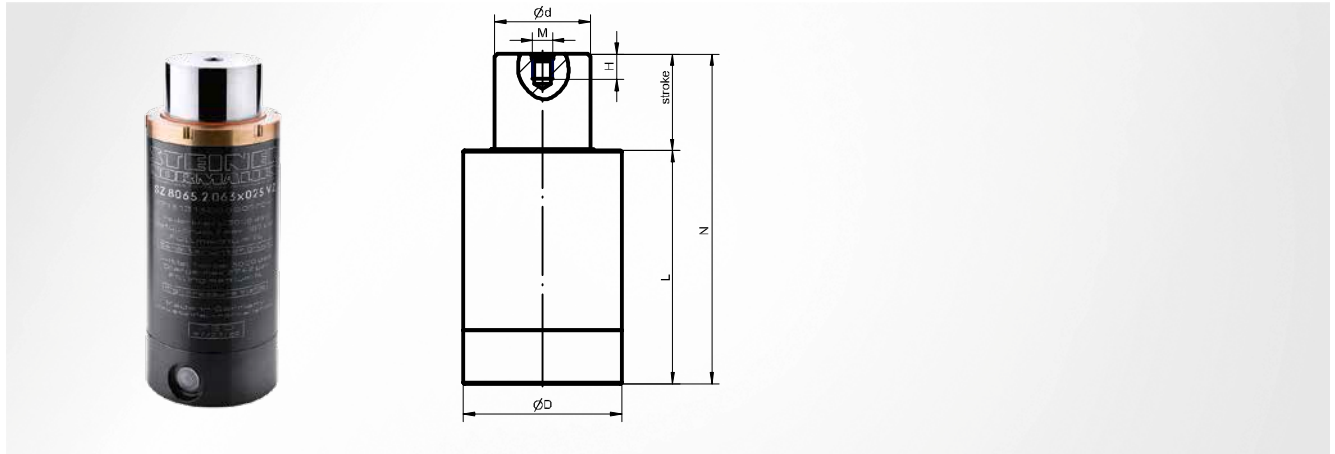
D	Cylinder mounting
63	
75	

D	Cylinder mounting
95	

SZ8065.2.VZ Connecting nitrogen cylinder

STEINEL®

2 connections, with burst protection



Base

Composite base; with burst protection; 2 connections

Delivery

will be supplied unfilled

Burst protection

integrated

Filling

carried out via composite system

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

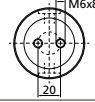
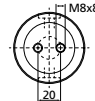
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	daN	daN	M	H	N	Stroke	L	Item number
38	25	G1/8	on the side	205	1000	1600	M6	6	95	10	85	SZ8065.2 .038 x 010VZ
									105	15	90	SZ8065.2 .038 x 015VZ
									125	25	100	SZ8065.2 .038 x 025VZ
									155	38	117	SZ8065.2 .038 x 038VZ
									180	50	130	SZ8065.2 .038 x 050VZ
									225	63	162	SZ8065.2 .038 x 063VZ
									260	80	180	SZ8065.2 .038 x 080VZ
50	35	G1/8	on the side	209	2000	3200	M8	8	125	10	115	SZ8065.2 .050 x 010VZ
									135	15	120	SZ8065.2 .050 x 015VZ
									155	25	130	SZ8065.2 .050 x 025VZ
									185	38	147	SZ8065.2 .050 x 038VZ
									210	50	160	SZ8065.2 .050 x 050VZ
									240	63	177	SZ8065.2 .050 x 063VZ
									275	80	195	SZ8065.2 .050 x 080VZ
63	45	G1/8	on the side	189	3000	4800	M8	8	125	10	115	SZ8065.2 .063 x 010VZ
									135	15	120	SZ8065.2 .063 x 015VZ
									155	25	130	SZ8065.2 .063 x 025VZ
									185	38	147	SZ8065.2 .063 x 038VZ
									210	50	160	SZ8065.2 .063 x 050VZ
									240	63	177	SZ8065.2 .063 x 063VZ
									275	80	195	SZ8065.2 .063 x 080VZ
75	56	G1/8	on the side	203	5000	8000	M8	8	135	10	125	SZ8065.2 .075 x 010VZ
									145	15	130	SZ8065.2 .075 x 015VZ
									165	25	140	SZ8065.2 .075 x 025VZ
									195	38	157	SZ8065.2 .075 x 038VZ
									220	50	170	SZ8065.2 .075 x 050VZ
									260	63	197	SZ8065.2 .075 x 063VZ
									295	80	215	SZ8065.2 .075 x 080VZ
95	75	G1/8	on the side	182	8000	12800	M8	8	145	10	135	SZ8065.2 .095 x 010VZ
									155	15	140	SZ8065.2 .095 x 015VZ
									175	25	150	SZ8065.2 .095 x 025VZ
									205	38	167	SZ8065.2 .095 x 038VZ
									235	50	185	SZ8065.2 .095 x 050VZ

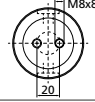
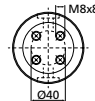
SZ8065.2.VZ Connecting nitrogen cylinder

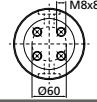


2 connections, with burst protection

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	75	G1/8	on the side	182	8000	12800	M8	8	275	63	212	SZ8065.2 .095 x 063VZ
									310	80	230	SZ8065.2 .095 x 080VZ

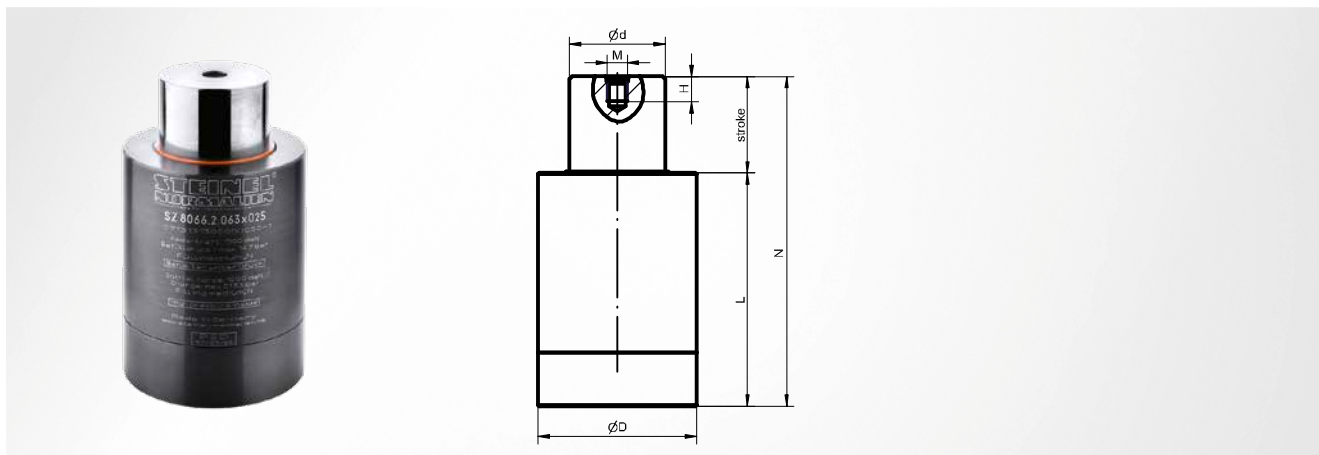
D	Cylinder mounting
38	
50	

D	Cylinder mounting
63	
75	

D	Cylinder mounting
95	

SZ8066.2. Nitrogen cylinder

self-sufficient



Base

Standard base

Filling

with standard nitrogen

Burst protection

not integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	105	100	160			50	5	45	SZ8066.2 .019 x 005
					100	160			60	10	50	SZ8066.2 .019 x 010
					100	160			70	15	55	SZ8066.2 .019 x 015
					100	160			78	19	59	SZ8066.2 .019 x 019
					100	160			90	25	65	SZ8066.2 .019 x 025
					100	160			104	32	72	SZ8066.2 .019 x 032
					100	160			116	38	78	SZ8066.2 .019 x 038
					100	160			140	50	90	SZ8066.2 .019 x 050
					100	160			166	63	103	SZ8066.2 .019 x 063
					100	160			200	80	120	SZ8066.2 .019 x 080
					100	160			240	100	140	SZ8066.2 .019 x 100
25	14	M8	centred	129	200	320			50	5	45	SZ8066.2 .025 x 005
					200	320			60	10	50	SZ8066.2 .025 x 010
					200	320			70	15	55	SZ8066.2 .025 x 015
					200	320			78	19	59	SZ8066.2 .025 x 019
					200	320	M6	6	90	25	65	SZ8066.2 .025 x 025
					200	320	M6	6	104	32	72	SZ8066.2 .025 x 032
					200	320	M6	6	116	38	78	SZ8066.2 .025 x 038
					200	320	M6	6	140	50	90	SZ8066.2 .025 x 050
					200	320	M6	6	166	63	103	SZ8066.2 .025 x 063
					200	320	M6	6	200	80	120	SZ8066.2 .025 x 080
					200	320	M6	6	240	100	140	SZ8066.2 .025 x 100
32	18	M8	centred	137	350	490			55	5	50	SZ8066.2 .032 x 005
					350	532	M6	6	65	10	55	SZ8066.2 .032 x 010
					350	560	M6	6	75	15	60	SZ8066.2 .032 x 015
					350	560	M6	6	83	19	64	SZ8066.2 .032 x 019
					350	560	M6	6	95	25	70	SZ8066.2 .032 x 025
					350	560	M6	6	109	32	77	SZ8066.2 .032 x 032
					350	560	M6	6	121	38	83	SZ8066.2 .032 x 038
					350	560	M6	6	145	50	95	SZ8066.2 .032 x 050
					350	560	M6	6	171	63	108	SZ8066.2 .032 x 063
					350	560	M6	6	205	80	125	SZ8066.2 .032 x 080
					350	560	M6	6	245	100	145	SZ8066.2 .032 x 100
38	22	M8	centred	131	500	700			55	5	50	SZ8066.2 .038 x 005

SZ8066.2. Nitrogen cylinder

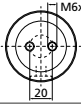
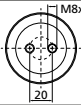
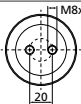
self-sufficient

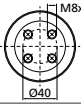
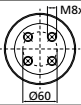
D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
38	22	M8	centred	131	500	770	M6	6	65	10	55	SZ8066.2 .038 x 010
					500	800	M6	6	75	15	60	SZ8066.2 .038 x 015
					500	800	M6	6	83	19	64	SZ8066.2 .038 x 019
					500	800	M6	6	95	25	70	SZ8066.2 .038 x 025
					500	800	M6	6	109	32	77	SZ8066.2 .038 x 032
					500	800	M6	6	121	38	83	SZ8066.2 .038 x 038
					500	800	M6	6	145	50	95	SZ8066.2 .038 x 050
					500	800	M6	6	171	63	108	SZ8066.2 .038 x 063
					500	800	M6	6	205	80	125	SZ8066.2 .038 x 080
					500	800	M6	6	245	100	145	SZ8066.2 .038 x 100
50	30	M10	centred	141	1000	1420			60	5	55	SZ8066.2 .050 x 005
					1000	1540	M8	8	70	10	60	SZ8066.2 .050 x 010
					1000	1600	M8	8	80	15	65	SZ8066.2 .050 x 015
					1000	1600	M8	8	88	19	69	SZ8066.2 .050 x 019
					1000	1600	M8	8	100	25	75	SZ8066.2 .050 x 025
					1000	1600	M8	8	114	32	82	SZ8066.2 .050 x 032
					1000	1600	M8	8	126	38	88	SZ8066.2 .050 x 038
					1000	1600	M8	8	150	50	100	SZ8066.2 .050 x 050
					1000	1600	M8	8	176	63	113	SZ8066.2 .050 x 063
					1000	1600	M8	8	210	80	130	SZ8066.2 .050 x 080
					1000	1600	M8	8	250	100	150	SZ8066.2 .050 x 100
63	38	M10	centred	132	1500	2040			65	5	60	SZ8066.2 .063 x 005
					1500	2310	M8	8	75	10	65	SZ8066.2 .063 x 010
					1500	2400	M8	8	85	15	70	SZ8066.2 .063 x 015
					1500	2400	M8	8	93	19	74	SZ8066.2 .063 x 019
					1500	2400	M8	8	105	25	80	SZ8066.2 .063 x 025
					1500	2400	M8	8	119	32	87	SZ8066.2 .063 x 032
					1500	2400	M8	8	131	38	93	SZ8066.2 .063 x 038
					1500	2400	M8	8	155	50	105	SZ8066.2 .063 x 050
					1500	2400	M8	8	181	63	118	SZ8066.2 .063 x 063
					1500	2400	M8	8	215	80	135	SZ8066.2 .063 x 080
					1500	2400	M8	8	260	100	160	SZ8066.2 .063 x 100
					1500	2400	M8	8	315	125	190	SZ8066.2 .063 x 125
75	45	M12	centred	157	2500	3375			65	5	60	SZ8066.2 .075 x 005
					2500	3825	M8	8	75	10	65	SZ8066.2 .075 x 010
					2500	4000	M8	8	85	15	70	SZ8066.2 .075 x 015
					2500	4000	M8	8	93	19	74	SZ8066.2 .075 x 019
					2500	4000	M8	8	105	25	80	SZ8066.2 .075 x 025
					2500	4000	M8	8	119	32	87	SZ8066.2 .075 x 032
					2500	4000	M8	8	131	38	93	SZ8066.2 .075 x 038
					2500	4000	M8	8	155	50	105	SZ8066.2 .075 x 050
					2500	4000	M8	8	181	63	118	SZ8066.2 .075 x 063
					2500	4000	M8	8	215	80	135	SZ8066.2 .075 x 080
					2500	4000	M8	8	255	100	155	SZ8066.2 .075 x 100
					2500	4000	M8	8	325	125	200	SZ8066.2 .075 x 125
95	55	M12	centred	168	4000	5600			75	5	70	SZ8066.2 .095 x 005
					4000	6240	M8	8	85	10	75	SZ8066.2 .095 x 010
					4000	6400	M8	8	95	15	80	SZ8066.2 .095 x 015
					4000	6400	M8	8	103	19	84	SZ8066.2 .095 x 019
					4000	6400	M8	8	115	25	90	SZ8066.2 .095 x 025
					4000	6400	M8	8	129	32	97	SZ8066.2 .095 x 032
					4000	6400	M8	8	141	38	103	SZ8066.2 .095 x 038
					4000	6400	M8	8	165	50	115	SZ8066.2 .095 x 050
					4000	6400	M8	8	191	63	128	SZ8066.2 .095 x 063
					4000	6400	M8	8	235	80	155	SZ8066.2 .095 x 080
					4000	6400	M8	8	285	100	185	SZ8066.2 .095 x 100
					4000	6400	M8	8	345	125	220	SZ8066.2 .095 x 125

SZ8066.2. Nitrogen cylinder

self-sufficient

D	Cylinder mounting
19	
25	
32	

D	Cylinder mounting
38	
50	
63	

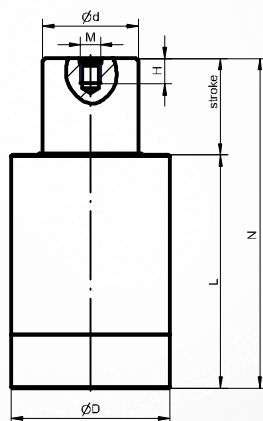
D	Cylinder mounting
75	
95	

from D 38, the medium thread is only used for filling

SZ8066.2.B Nitrogen cylinder

STEINEL®

self-sufficient, with burst protection



Base

Standard base; with burst protection

Filling

with standard nitrogen

Burst protection

integrated

Delivery

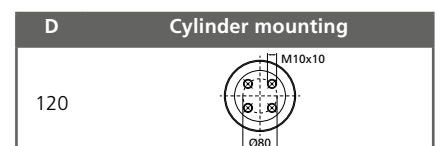
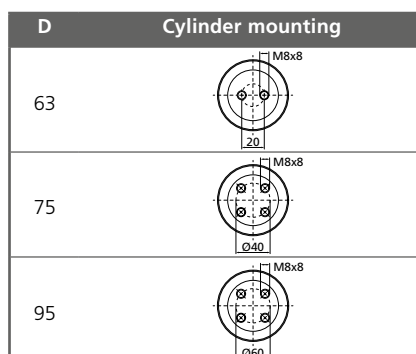
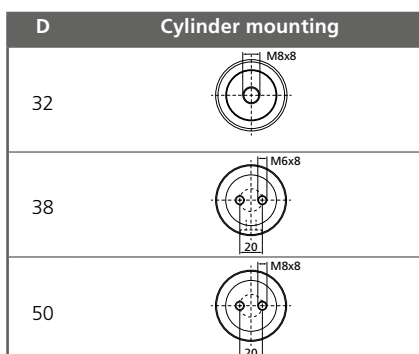
will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	daN	daN	N	Stroke	L	Item number
32	18	M8	centred	137			350	490	55	5	50	SZ8066.2 .032 x 005B
32	18	M8	centred	137	M6	6	350	532	65	10	55	SZ8066.2 .032 x 010B
							350	560	75	15	60	SZ8066.2 .032 x 015B
							350	560	83	19	64	SZ8066.2 .032 x 019B
							350	560	95	25	70	SZ8066.2 .032 x 025B
							350	560	109	32	77	SZ8066.2 .032 x 032B
							350	560	121	38	83	SZ8066.2 .032 x 038B
							350	560	145	50	95	SZ8066.2 .032 x 050B
							350	560	171	63	108	SZ8066.2 .032 x 063B
							350	560	205	80	125	SZ8066.2 .032 x 080B
							350	560	245	100	145	SZ8066.2 .032 x 100B
							350	560	295	125	170	SZ8066.2 .032 x 125B
38	22	M8	centred	131			500	700	55	5	50	SZ8066.2 .038 x 005B
38	22	M8	centred	131	M6	6	500	770	65	10	55	SZ8066.2 .038 x 010B
							500	800	75	15	60	SZ8066.2 .038 x 015B
							500	800	83	19	64	SZ8066.2 .038 x 019B
							500	800	95	25	70	SZ8066.2 .038 x 025B
							500	800	109	32	77	SZ8066.2 .038 x 032B
							500	800	121	38	83	SZ8066.2 .038 x 038B
							500	800	145	50	95	SZ8066.2 .038 x 050B
							500	800	171	63	108	SZ8066.2 .038 x 063B
							500	800	205	80	125	SZ8066.2 .038 x 080B
							500	800	245	100	145	SZ8066.2 .038 x 100B
							500	800	295	125	170	SZ8066.2 .038 x 125B
50	30	M10	centred	141			1000	1420	60	5	55	SZ8066.2 .050 x 005B
50	30	M10	centred	141	M8	8	1000	1540	70	10	60	SZ8066.2 .050 x 010B
							1000	1600	80	15	65	SZ8066.2 .050 x 015B
							1000	1600	88	19	69	SZ8066.2 .050 x 019B
							1000	1600	100	25	75	SZ8066.2 .050 x 025B
							1000	1600	114	32	82	SZ8066.2 .050 x 032B
							1000	1600	126	38	88	SZ8066.2 .050 x 038B
							1000	1600	150	50	100	SZ8066.2 .050 x 050B
							1000	1600	176	63	113	SZ8066.2 .050 x 063B
							1000	1600	210	80	130	SZ8066.2 .050 x 080B
							1000	1600	250	100	150	SZ8066.2 .050 x 100B
							1000	1600	315	125	190	SZ8066.2 .050 x 125B
63	38	M10	centred	132			1500	2040	65	5	60	SZ8066.2 .063 x 005B

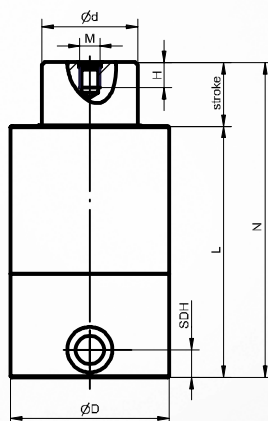
SZ8066.2.B Nitrogen cylinder

self-sufficient, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	daN		N	Stroke	L	Item number
63	38	M10	centred	132	M8	8	1500	2310	75	10	65	SZ8066.2 .063 x 010B
							1500	2400	85	15	70	SZ8066.2 .063 x 015B
							1500	2400	93	19	74	SZ8066.2 .063 x 019B
							1500	2400	105	25	80	SZ8066.2 .063 x 025B
							1500	2400	119	32	87	SZ8066.2 .063 x 032B
							1500	2400	131	38	93	SZ8066.2 .063 x 038B
							1500	2400	155	50	105	SZ8066.2 .063 x 050B
							1500	2400	181	63	118	SZ8066.2 .063 x 063B
							1500	2400	215	80	135	SZ8066.2 .063 x 080B
							1500	2400	260	100	160	SZ8066.2 .063 x 100B
75	45	M12	centred	157	M8	8	2500	3375	65	5	60	SZ8066.2 .075 x 005B
							2500	3825	75	10	65	SZ8066.2 .075 x 010B
							2500	4000	85	15	70	SZ8066.2 .075 x 015B
							2500	4000	93	19	74	SZ8066.2 .075 x 019B
							2500	4000	105	25	80	SZ8066.2 .075 x 025B
							2500	4000	119	32	87	SZ8066.2 .075 x 032B
							2500	4000	131	38	93	SZ8066.2 .075 x 038B
							2500	4000	155	50	105	SZ8066.2 .075 x 050B
							2500	4000	181	63	118	SZ8066.2 .075 x 063B
							2500	4000	215	80	135	SZ8066.2 .075 x 080B
95	55	M12	centred	168	M8	8	4000	5600	75	5	70	SZ8066.2 .095 x 005B
							4000	6240	85	10	75	SZ8066.2 .095 x 010B
							4000	6400	95	15	80	SZ8066.2 .095 x 015B
							4000	6400	103	19	84	SZ8066.2 .095 x 019B
							4000	6400	115	25	90	SZ8066.2 .095 x 025B
							4000	6400	129	32	97	SZ8066.2 .095 x 032B
							4000	6400	141	38	103	SZ8066.2 .095 x 038B
							4000	6400	165	50	115	SZ8066.2 .095 x 050B
							4000	6400	191	63	128	SZ8066.2 .095 x 063B
							4000	6400	235	80	155	SZ8066.2 .095 x 080B
120	75	M12	centred	147	M8	8	6500	10400	125	25	100	SZ8066.2 .120 x 025B
							6500	10400	151	38	113	SZ8066.2 .120 x 038B
							6500	10400	175	50	125	SZ8066.2 .120 x 050B
							6500	10400	201	63	138	SZ8066.2 .120 x 063B
							6500	10400	240	80	160	SZ8066.2 .120 x 080B
							6500	10400	290	100	190	SZ8066.2 .120 x 100B
							6500	10400	350	125	225	SZ8066.2 .120 x 125B
							6500	10400	430	160	270	SZ8066.2 .120 x 160B
							6500	10400	520	200	320	SZ8066.2 .120 x 200B
							6500	10400	550	210	340	SZ8066.2 .120 x 210B



from D 38, the medium thread is only used for filling

**Base**

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

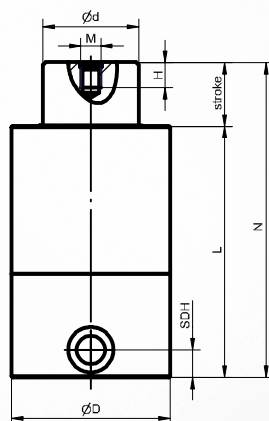
Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
38	22	G1/8	on the side	131			500	700	75	5	70	SZ8066.2 .038 x 005V
38	22	G1/8	on the side	131	M6	6	500	770	85	10	75	SZ8066.2 .038 x 010V
							500	800	95	15	80	SZ8066.2 .038 x 015V
							500	800	103	19	84	SZ8066.2 .038 x 019V
							500	800	115	25	90	SZ8066.2 .038 x 025V
							500	800	129	32	97	SZ8066.2 .038 x 032V
							500	800	141	38	103	SZ8066.2 .038 x 038V
							500	800	165	50	115	SZ8066.2 .038 x 050V
							500	800	191	63	128	SZ8066.2 .038 x 063V
							500	800	225	80	145	SZ8066.2 .038 x 080V
							500	800	265	100	165	SZ8066.2 .038 x 100V
							500	800	315	125	190	SZ8066.2 .038 x 125V
50	30	G1/8	on the side	141			1000	1420	80	5	75	SZ8066.2 .050 x 005V
50	30	G1/8	on the side	141	M8	8	1000	1540	90	10	80	SZ8066.2 .050 x 010V
							1000	1600	100	15	85	SZ8066.2 .050 x 015V
							1000	1600	108	19	89	SZ8066.2 .050 x 019V
							1000	1600	120	25	95	SZ8066.2 .050 x 025V
							1000	1600	134	32	102	SZ8066.2 .050 x 032V
							1000	1600	146	38	108	SZ8066.2 .050 x 038V
							1000	1600	170	50	120	SZ8066.2 .050 x 050V
							1000	1600	196	63	133	SZ8066.2 .050 x 063V
							1000	1600	230	80	150	SZ8066.2 .050 x 080V
							1000	1600	270	100	170	SZ8066.2 .050 x 100V
							1000	1600	335	125	210	SZ8066.2 .050 x 125V
63	38	G1/8	on the side	132			1500	2040	85	5	80	SZ8066.2 .063 x 005V
63	38	G1/8	on the side	132	M8	8	1500	2310	95	10	85	SZ8066.2 .063 x 010V
							1500	2400	105	15	90	SZ8066.2 .063 x 015V
							1500	2400	113	19	94	SZ8066.2 .063 x 019V
							1500	2400	125	25	100	SZ8066.2 .063 x 025V
							1500	2400	139	32	107	SZ8066.2 .063 x 032V
							1500	2400	151	38	113	SZ8066.2 .063 x 038V
							1500	2400	175	50	125	SZ8066.2 .063 x 050V
							1500	2400	201	63	138	SZ8066.2 .063 x 063V

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
63	38	G1/8	on the side	132	M8	8	1500	2400	235	80	155	SZ8066.2 .063 x 080V
							1500	2400	280	100	180	SZ8066.2 .063 x 100V
							1500	2400	335	125	210	SZ8066.2 .063 x 125V
75	45	G1/8	on the side	157			2500	3375	85	5	80	SZ8066.2 .075 x 005V
75	45	G1/8	on the side	157	M8	8	2500	3825	95	10	85	SZ8066.2 .075 x 010V
							2500	4000	105	15	90	SZ8066.2 .075 x 015V
							2500	4000	113	19	94	SZ8066.2 .075 x 019V
							2500	4000	125	25	100	SZ8066.2 .075 x 025V
							2500	4000	139	32	107	SZ8066.2 .075 x 032V
							2500	4000	151	38	113	SZ8066.2 .075 x 038V
							2500	4000	175	50	125	SZ8066.2 .075 x 050V
							2500	4000	201	63	138	SZ8066.2 .075 x 063V
							2500	4000	235	80	155	SZ8066.2 .075 x 080V
							2500	4000	275	100	175	SZ8066.2 .075 x 100V
							2500	4000	345	125	220	SZ8066.2 .075 x 125V
95	55	G1/8	on the side	168			4000	5600	95	5	90	SZ8066.2 .095 x 005V
95	55	G1/8	on the side	168	M8	8	4000	6240	105	10	95	SZ8066.2 .095 x 010V
							4000	6400	115	15	100	SZ8066.2 .095 x 015V
							4000	6400	123	19	104	SZ8066.2 .095 x 019V
							4000	6400	135	25	110	SZ8066.2 .095 x 025V
							4000	6400	149	32	117	SZ8066.2 .095 x 032V
							4000	6400	161	38	123	SZ8066.2 .095 x 038V
							4000	6400	185	50	135	SZ8066.2 .095 x 050V
							4000	6400	211	63	148	SZ8066.2 .095 x 063V
							4000	6400	255	80	175	SZ8066.2 .095 x 080V
							4000	6400	305	100	205	SZ8066.2 .095 x 100V
							4000	6400	365	125	240	SZ8066.2 .095 x 125V

SZ8066.2.VB Connecting nitrogen cylinder with burst protection

STEINEL®



Base

Composite base; with burst protection

Burst protection

integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

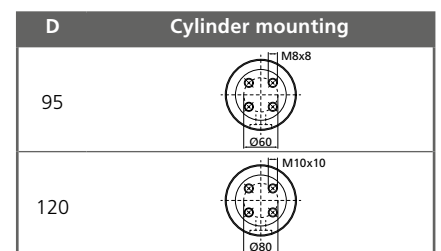
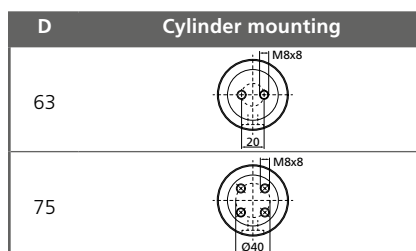
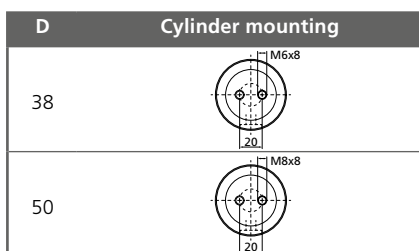
Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	daN	daN	N	Stroke	L	Item number
38	22	G1/8	on the side	131			500	700	75	5	70	SZ8066.2 .038 x 005VB
38	22	G1/8	on the side	131	M6	6	500	770	85	10	75	SZ8066.2 .038 x 010VB
							500	800	95	15	80	SZ8066.2 .038 x 015VB
							500	800	103	19	84	SZ8066.2 .038 x 019VB
							500	800	115	25	90	SZ8066.2 .038 x 025VB
							500	800	129	32	97	SZ8066.2 .038 x 032VB
							500	800	141	38	103	SZ8066.2 .038 x 038VB
							500	800	165	50	115	SZ8066.2 .038 x 050VB
							500	800	191	63	128	SZ8066.2 .038 x 063VB
							500	800	225	80	145	SZ8066.2 .038 x 080VB
							500	800	265	100	165	SZ8066.2 .038 x 100VB
							500	800	315	125	190	SZ8066.2 .038 x 125VB
50	30	G1/8	on the side	141			1000	1420	80	5	75	SZ8066.2 .050 x 005VB
50	30	G1/8	on the side	141	M8	8	1000	1540	90	10	80	SZ8066.2 .050 x 010VB
							1000	1600	100	15	85	SZ8066.2 .050 x 015VB
							1000	1600	108	19	89	SZ8066.2 .050 x 019VB
							1000	1600	120	25	95	SZ8066.2 .050 x 025VB
							1000	1600	134	32	102	SZ8066.2 .050 x 032VB
							1000	1600	146	38	108	SZ8066.2 .050 x 038VB
							1000	1600	170	50	120	SZ8066.2 .050 x 050VB
							1000	1600	196	63	133	SZ8066.2 .050 x 063VB
							1000	1600	230	80	150	SZ8066.2 .050 x 080VB
							1000	1600	270	100	170	SZ8066.2 .050 x 100VB
							1000	1600	335	125	210	SZ8066.2 .050 x 125VB
63	38	G1/8	on the side	132			1500	2040	85	5	80	SZ8066.2 .063 x 005VB
63	38	G1/8	on the side	132	M8	8	1500	2310	95	10	85	SZ8066.2 .063 x 010VB
							1500	2400	105	15	90	SZ8066.2 .063 x 015VB
							1500	2400	113	19	94	SZ8066.2 .063 x 019VB
							1500	2400	125	25	100	SZ8066.2 .063 x 025VB
							1500	2400	139	32	107	SZ8066.2 .063 x 032VB
							1500	2400	151	38	113	SZ8066.2 .063 x 038VB
							1500	2400	175	50	125	SZ8066.2 .063 x 050VB
							1500	2400	201	63	138	SZ8066.2 .063 x 063VB

with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	G1/8	on the side	132	M8	8	1500	2400	235	80	155	SZ8066.2 .063 x 080VB
							1500	2400	280	100	180	SZ8066.2 .063 x 100VB
							1500	2400	335	125	210	SZ8066.2 .063 x 125VB
75	45	G1/8	on the side	157	M8	8	2500	3375	85	5	80	SZ8066.2 .075 x 005VB
75	45	G1/8	on the side	157			2500	3825	95	10	85	SZ8066.2 .075 x 010VB
							2500	4000	105	15	90	SZ8066.2 .075 x 015VB
							2500	4000	113	19	94	SZ8066.2 .075 x 019VB
							2500	4000	125	25	100	SZ8066.2 .075 x 025VB
							2500	4000	139	32	107	SZ8066.2 .075 x 032VB
							2500	4000	151	38	113	SZ8066.2 .075 x 038VB
							2500	4000	175	50	125	SZ8066.2 .075 x 050VB
							2500	4000	201	63	138	SZ8066.2 .075 x 063VB
							2500	4000	235	80	155	SZ8066.2 .075 x 080VB
							2500	4000	275	100	175	SZ8066.2 .075 x 100VB
							2500	4000	345	125	220	SZ8066.2 .075 x 125VB
95	55	G1/8	on the side	168	M8	8	4000	5600	95	5	90	SZ8066.2 .095 x 005VB
95	55	G1/8	on the side	168			4000	6240	105	10	95	SZ8066.2 .095 x 010VB
							4000	6400	115	15	100	SZ8066.2 .095 x 015VB
							4000	6400	123	19	104	SZ8066.2 .095 x 019VB
							4000	6400	135	25	110	SZ8066.2 .095 x 025VB
							4000	6400	149	32	117	SZ8066.2 .095 x 032VB
							4000	6400	161	38	123	SZ8066.2 .095 x 038VB
							4000	6400	185	50	135	SZ8066.2 .095 x 050VB
							4000	6400	211	63	148	SZ8066.2 .095 x 063VB
							4000	6400	255	80	175	SZ8066.2 .095 x 080VB
							4000	6400	305	100	205	SZ8066.2 .095 x 100VB
							4000	6400	365	125	240	SZ8066.2 .095 x 125VB
120	75	G1/8	on the side	147	M8	8	6500	10400	145	25	120	SZ8066.2 .120 x 025VB
							6500	10400	171	38	133	SZ8066.2 .120 x 038VB
							6500	10400	195	50	145	SZ8066.2 .120 x 050VB
							6500	10400	221	63	158	SZ8066.2 .120 x 063VB
							6500	10400	260	80	180	SZ8066.2 .120 x 080VB
							6500	10400	310	100	210	SZ8066.2 .120 x 100VB
							6500	10400	370	125	245	SZ8066.2 .120 x 125VB
							6500	10400	450	160	290	SZ8066.2 .120 x 160VB
							6500	10400	540	200	340	SZ8066.2 .120 x 200VB
							6500	10400	570	210	360	SZ8066.2 .120 x 210VB



Tapping units

Module system

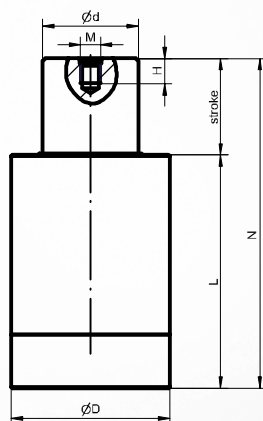
Machine elements

Accessories

SZ7066.2. Nitrogen cylinder

STEINEL®

self-sufficient, version extra heavy



Base

Standard base

Filling

with standard nitrogen

Burst protection

not integrated

Delivery

will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	158	150	240			50	5	45	SZ7066.2 .019 x 005
					150	240			60	10	50	SZ7066.2 .019 x 010
					150	240			70	15	55	SZ7066.2 .019 x 015
					150	240			78	19	59	SZ7066.2 .019 x 019
					150	240			90	25	65	SZ7066.2 .019 x 025
					150	240			104	32	72	SZ7066.2 .019 x 032
					150	240			116	38	78	SZ7066.2 .019 x 038
					150	240			140	50	90	SZ7066.2 .019 x 050
					150	240			166	63	103	SZ7066.2 .019 x 063
					150	240			200	80	120	SZ7066.2 .019 x 080
					150	240			240	100	140	SZ7066.2 .019 x 100
					150	240			290	125	165	SZ7066.2 .019 x 125
25	14	M8	centred	195	300	480			50	5	45	SZ7066.2 .025 x 005
					300	480			60	10	50	SZ7066.2 .025 x 010
					300	480			70	15	55	SZ7066.2 .025 x 015
					300	480			78	19	59	SZ7066.2 .025 x 019
					300	480	M6	6	90	25	65	SZ7066.2 .025 x 025
					300	480	M6	6	104	32	72	SZ7066.2 .025 x 032
					300	480	M6	6	116	38	78	SZ7066.2 .025 x 038
					300	480	M6	6	140	50	90	SZ7066.2 .025 x 050
					300	480	M6	6	166	63	103	SZ7066.2 .025 x 063
					300	480	M6	6	200	80	120	SZ7066.2 .025 x 080
					300	480	M6	6	240	100	140	SZ7066.2 .025 x 100
					300	480	M6	6	290	125	165	SZ7066.2 .025 x 125
32	18	M8	centred	196	500	700			55	5	50	SZ7066.2 .032 x 005
					500	760	M6	6	65	10	55	SZ7066.2 .032 x 010
					500	800	M6	6	75	15	60	SZ7066.2 .032 x 015
					500	800	M6	6	83	19	64	SZ7066.2 .032 x 019
					500	800	M6	6	95	25	70	SZ7066.2 .032 x 025
					500	800	M6	6	109	32	77	SZ7066.2 .032 x 032
					500	800	M6	6	121	38	83	SZ7066.2 .032 x 038
					500	800	M6	6	145	50	95	SZ7066.2 .032 x 050
					500	800	M6	6	171	63	108	SZ7066.2 .032 x 063
					500	800	M6	6	205	80	125	SZ7066.2 .032 x 080
					500	800	M6	6	245	100	145	SZ7066.2 .032 x 100
					500	800	M6	6	295	125	170	SZ7066.2 .032 x 125
38	22	M8	centred	197	750	1050			55	5	50	SZ7066.2 .038 x 005

SZ7066.2. Nitrogen cylinder

self-sufficient, version extra heavy

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
38	22	M8	centred	197	750	1155	M6	6	65	10	55	SZ7066.2 .038 x 010
					750	1200	M6	6	75	15	60	SZ7066.2 .038 x 015
					750	1200	M6	6	83	19	64	SZ7066.2 .038 x 019
					750	1200	M6	6	95	25	70	SZ7066.2 .038 x 025
					750	1200	M6	6	109	32	77	SZ7066.2 .038 x 032
					750	1200	M6	6	121	38	83	SZ7066.2 .038 x 038
					750	1200	M6	6	145	50	95	SZ7066.2 .038 x 050
					750	1200	M6	6	171	63	108	SZ7066.2 .038 x 063
					750	1200	M6	6	205	80	125	SZ7066.2 .038 x 080
					750	1200	M6	6	245	100	145	SZ7066.2 .038 x 100
50	30	M10	centred	212	1500	2130			60	5	55	SZ7066.2 .050 x 005
					1500	2310	M8	8	70	10	60	SZ7066.2 .050 x 010
					1500	2400	M8	8	80	15	65	SZ7066.2 .050 x 015
					1500	2400	M8	8	88	19	69	SZ7066.2 .050 x 019
					1500	2400	M8	8	100	25	75	SZ7066.2 .050 x 025
					1500	2400	M8	8	114	32	82	SZ7066.2 .050 x 032
					1500	2400	M8	8	126	38	88	SZ7066.2 .050 x 038
					1500	2400	M8	8	150	50	100	SZ7066.2 .050 x 050
					1500	2400	M8	8	176	63	113	SZ7066.2 .050 x 063
					1500	2400	M8	8	210	80	130	SZ7066.2 .050 x 080
					1500	2400	M8	8	250	100	150	SZ7066.2 .050 x 100
					1500	2400	M8	8	315	125	190	SZ7066.2 .050 x 125
63	38	M10	centred	176	2000	2720			65	5	60	SZ7066.2 .063 x 005
					2000	3080	M8	8	75	10	65	SZ7066.2 .063 x 010
					2000	3200	M8	8	85	15	70	SZ7066.2 .063 x 015
					2000	3200	M8	8	93	19	74	SZ7066.2 .063 x 019
					2000	3200	M8	8	105	25	80	SZ7066.2 .063 x 025
					2000	3200	M8	8	119	32	87	SZ7066.2 .063 x 032
					2000	3200	M8	8	131	38	93	SZ7066.2 .063 x 038
					2000	3200	M8	8	155	50	105	SZ7066.2 .063 x 050
					2000	3200	M8	8	181	63	118	SZ7066.2 .063 x 063
					2000	3200	M8	8	215	80	135	SZ7066.2 .063 x 080
					2000	3200	M8	8	260	100	160	SZ7066.2 .063 x 100
					2000	3200	M8	8	315	125	190	SZ7066.2 .063 x 125
75	45	M12	centred	189	3000	4050			65	5	60	SZ7066.2 .075 x 005
					3000	4590	M8	8	75	10	65	SZ7066.2 .075 x 010
					3000	4800	M8	8	85	15	70	SZ7066.2 .075 x 015
					3000	4800	M8	8	93	19	74	SZ7066.2 .075 x 019
					3000	4800	M8	8	105	25	80	SZ7066.2 .075 x 025
					3000	4800	M8	8	119	32	87	SZ7066.2 .075 x 032
					3000	4800	M8	8	131	38	93	SZ7066.2 .075 x 038
					3000	4800	M8	8	155	50	105	SZ7066.2 .075 x 050
					3000	4800	M8	8	181	63	118	SZ7066.2 .075 x 063
					3000	4800	M8	8	215	80	135	SZ7066.2 .075 x 080
					3000	4800	M8	8	255	100	155	SZ7066.2 .075 x 100
					3000	4800	M8	8	325	125	200	SZ7066.2 .075 x 125
95	55	M12	centred	210	5000	7000			75	5	70	SZ7066.2 .095 x 005
					5000	7800	M8	8	85	10	75	SZ7066.2 .095 x 010
					5000	8000	M8	8	95	15	80	SZ7066.2 .095 x 015
					5000	8000	M8	8	103	19	84	SZ7066.2 .095 x 019
					5000	8000	M8	8	115	25	90	SZ7066.2 .095 x 025
					5000	8000	M8	8	129	32	97	SZ7066.2 .095 x 032
					5000	8000	M8	8	141	38	103	SZ7066.2 .095 x 038
					5000	8000	M8	8	165	50	115	SZ7066.2 .095 x 050
					5000	8000	M8	8	191	63	128	SZ7066.2 .095 x 063
					5000	8000	M8	8	235	80	155	SZ7066.2 .095 x 080
					5000	8000	M8	8	285	100	185	SZ7066.2 .095 x 100
					5000	8000	M8	8	345	125	220	SZ7066.2 .095 x 125

SZ7066.2. Nitrogen cylinder

self-sufficient, version extra heavy

D	Cylinder mounting
19	
25	
32	

D	Cylinder mounting
38	
50	
63	

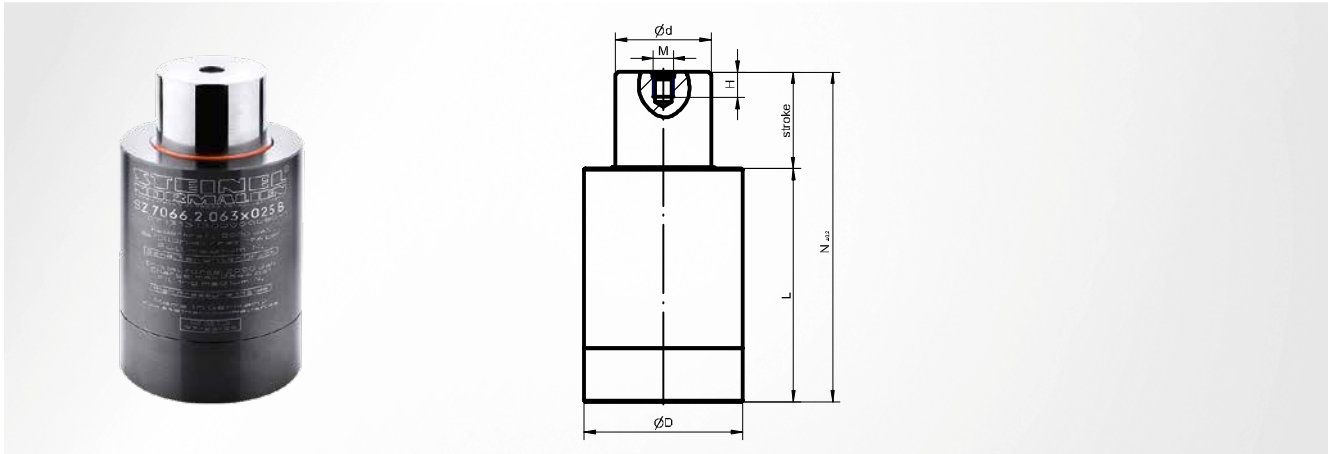
D	Cylinder mounting
75	
95	

from D 38, the medium thread is only used for filling

SZ7066.2.B Nitrogen cylinder

STEINEL®

self-sufficient, version extra heavy, with burst protection



Base

Standard base; with burst protection

Filling

with standard nitrogen

Burst protection

integrated

Delivery

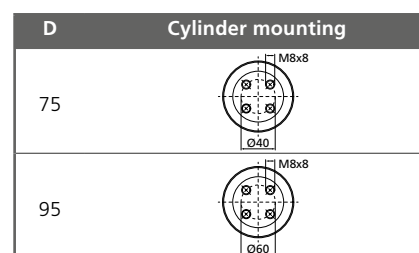
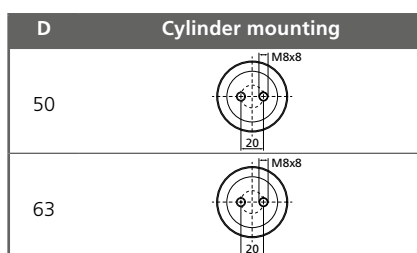
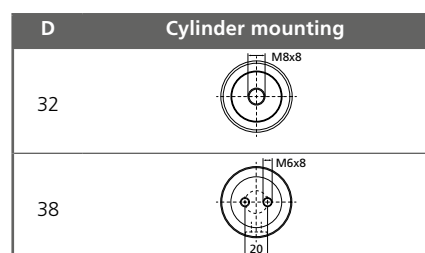
will be supplied filled

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
32	18	M8	centred	196	M6	6	500	700	55	5	50	SZ7066.2 .032 x 005B
							500	760	65	10	55	SZ7066.2 .032 x 010B
							500	800	75	15	60	SZ7066.2 .032 x 015B
							500	800	83	19	64	SZ7066.2 .032 x 019B
							500	800	95	25	70	SZ7066.2 .032 x 025B
							500	800	109	32	77	SZ7066.2 .032 x 032B
							500	800	121	38	83	SZ7066.2 .032 x 038B
							500	800	145	50	95	SZ7066.2 .032 x 050B
							500	800	171	63	108	SZ7066.2 .032 x 063B
							500	800	205	80	125	SZ7066.2 .032 x 080B
							500	800	245	100	145	SZ7066.2 .032 x 100B
							500	800	295	125	170	SZ7066.2 .032 x 125B
38	22	M8	centred	197	M6	6	750	1050	55	5	50	SZ7066.2 .038 x 005B
							750	1155	65	10	55	SZ7066.2 .038 x 010B
							750	1200	75	15	60	SZ7066.2 .038 x 015B
							750	1200	83	19	64	SZ7066.2 .038 x 019B
							750	1200	95	25	70	SZ7066.2 .038 x 025B
							750	1200	109	32	77	SZ7066.2 .038 x 032B
							750	1200	121	38	83	SZ7066.2 .038 x 038B
							750	1200	145	50	95	SZ7066.2 .038 x 050B
							750	1200	171	63	108	SZ7066.2 .038 x 063B
							750	1200	205	80	125	SZ7066.2 .038 x 080B
							750	1200	245	100	145	SZ7066.2 .038 x 100B
							750	1200	295	125	170	SZ7066.2 .038 x 125B
50	30	M10	centred	212	M8	8	1500	2130	60	5	55	SZ7066.2 .050 x 005B
							1500	2310	70	10	60	SZ7066.2 .050 x 010B
							1500	2400	80	15	65	SZ7066.2 .050 x 015B
							1500	2400	88	19	69	SZ7066.2 .050 x 019B
							1500	2400	100	25	75	SZ7066.2 .050 x 025B
							1500	2400	114	32	82	SZ7066.2 .050 x 032B
							1500	2400	126	38	88	SZ7066.2 .050 x 038B
							1500	2400	150	50	100	SZ7066.2 .050 x 050B
							1500	2400	176	63	113	SZ7066.2 .050 x 063B
							1500	2400	210	80	130	SZ7066.2 .050 x 080B
							1500	2400	250	100	150	SZ7066.2 .050 x 100B
							1500	2400	315	125	190	SZ7066.2 .050 x 125B
63	38	M10	centred	176	M8	8	2000	2720	65	5	60	SZ7066.2 .063 x 005B

SZ7066.2.B Nitrogen cylinder

self-sufficient, version extra heavy, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	M10	centred	176	M8	8	2000	3080	75	10	65	SZ7066.2 .063 x 010B
							2000	3200	85	15	70	SZ7066.2 .063 x 015B
							2000	3200	93	19	74	SZ7066.2 .063 x 019B
							2000	3200	105	25	80	SZ7066.2 .063 x 025B
							2000	3200	119	32	87	SZ7066.2 .063 x 032B
							2000	3200	131	38	93	SZ7066.2 .063 x 038B
							2000	3200	155	50	105	SZ7066.2 .063 x 050B
							2000	3200	181	63	118	SZ7066.2 .063 x 063B
							2000	3200	215	80	135	SZ7066.2 .063 x 080B
							2000	3200	260	100	160	SZ7066.2 .063 x 100B
75	45	M12	centred	189	M8	8	3000	4050	65	5	60	SZ7066.2 .075 x 005B
							3000	4590	75	10	65	SZ7066.2 .075 x 010B
							3000	4800	85	15	70	SZ7066.2 .075 x 015B
							3000	4800	93	19	74	SZ7066.2 .075 x 019B
							3000	4800	105	25	80	SZ7066.2 .075 x 025B
							3000	4800	119	32	87	SZ7066.2 .075 x 032B
							3000	4800	131	38	93	SZ7066.2 .075 x 038B
							3000	4800	155	50	105	SZ7066.2 .075 x 050B
							3000	4800	181	63	118	SZ7066.2 .075 x 063B
							3000	4800	215	80	135	SZ7066.2 .075 x 080B
95	55	M12	centred	210	M8	8	5000	7000	75	5	70	SZ7066.2 .095 x 005B
							5000	7800	85	10	75	SZ7066.2 .095 x 010B
							5000	8000	95	15	80	SZ7066.2 .095 x 015B
							5000	8000	103	19	84	SZ7066.2 .095 x 019B
							5000	8000	115	25	90	SZ7066.2 .095 x 025B
							5000	8000	129	32	97	SZ7066.2 .095 x 032B
							5000	8000	141	38	103	SZ7066.2 .095 x 038B
							5000	8000	165	50	115	SZ7066.2 .095 x 050B
							5000	8000	191	63	128	SZ7066.2 .095 x 063B
							5000	8000	235	80	155	SZ7066.2 .095 x 080B
							5000	8000	285	100	185	SZ7066.2 .095 x 100B
							5000	8000	345	125	220	SZ7066.2 .095 x 125B

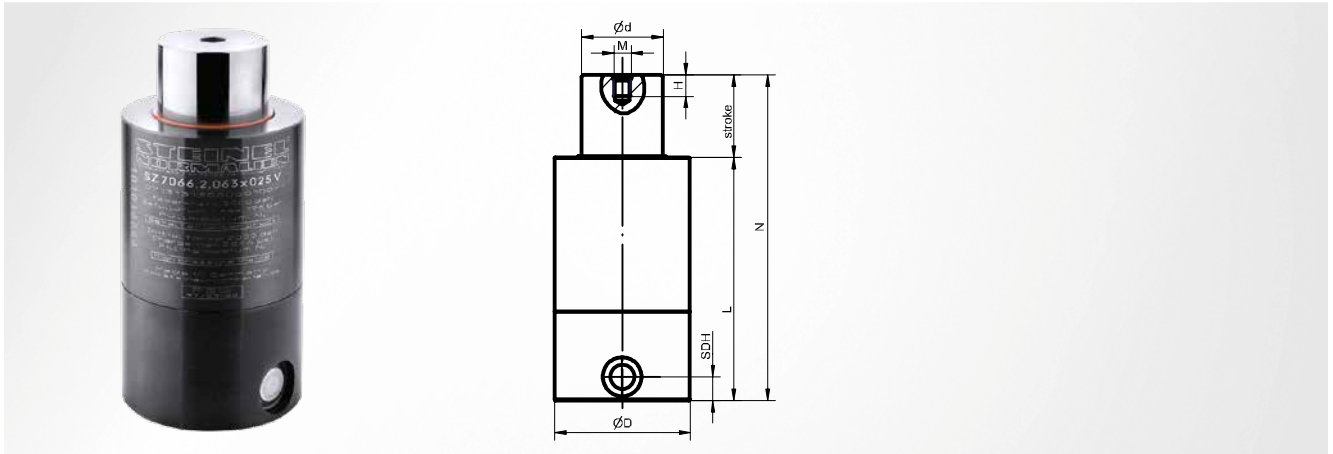


from D 38, the medium thread is only used for filling

SZ7066.2.V Connecting nitrogen cylinder

STEINEL®

version extra heavy



Base

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

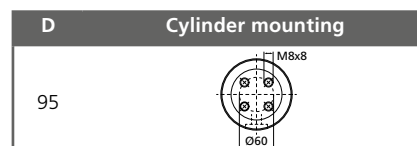
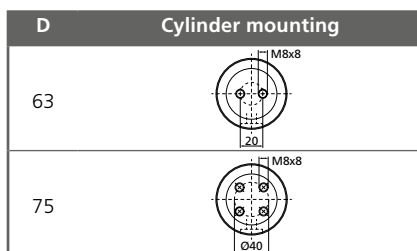
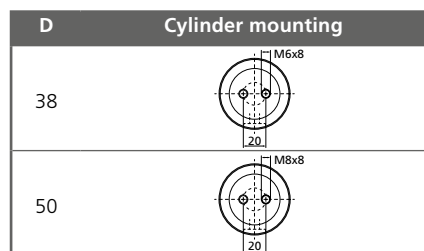
Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
38	22	G1/8	on the side	197	M6	6	750	1050	75	5	70	SZ7066.2 .038 x 005V
							750	1155	85	10	75	SZ7066.2 .038 x 010V
							750	1200	95	15	80	SZ7066.2 .038 x 015V
							750	1200	103	19	84	SZ7066.2 .038 x 019V
							750	1200	115	25	90	SZ7066.2 .038 x 025V
							750	1200	129	32	97	SZ7066.2 .038 x 032V
							750	1200	141	38	103	SZ7066.2 .038 x 038V
							750	1200	165	50	115	SZ7066.2 .038 x 050V
							750	1200	191	63	128	SZ7066.2 .038 x 063V
							750	1200	225	80	145	SZ7066.2 .038 x 080V
							750	1200	265	100	165	SZ7066.2 .038 x 100V
							750	1200	315	125	190	SZ7066.2 .038 x 125V
50	30	G1/8	on the side	212	M8	8	1500	2130	80	5	75	SZ7066.2 .050 x 005V
							1500	2310	90	10	80	SZ7066.2 .050 x 010V
							1500	2400	100	15	85	SZ7066.2 .050 x 015V
							1500	2400	108	19	89	SZ7066.2 .050 x 019V
							1500	2400	120	25	95	SZ7066.2 .050 x 025V
							1500	2400	134	32	102	SZ7066.2 .050 x 032V
							1500	2400	146	38	108	SZ7066.2 .050 x 038V
							1500	2400	170	50	120	SZ7066.2 .050 x 050V
							1500	2400	196	63	133	SZ7066.2 .050 x 063V
							1500	2400	230	80	150	SZ7066.2 .050 x 080V
							1500	2400	270	100	170	SZ7066.2 .050 x 100V
							1500	2400	335	125	210	SZ7066.2 .050 x 125V
63	38	G1/8	on the side	176	M8	8	2000	2720	85	5	80	SZ7066.2 .063 x 005V
							2000	3080	95	10	85	SZ7066.2 .063 x 010V
							2000	3200	105	15	90	SZ7066.2 .063 x 015V
							2000	3200	113	19	94	SZ7066.2 .063 x 019V
							2000	3200	125	25	100	SZ7066.2 .063 x 025V
							2000	3200	139	32	107	SZ7066.2 .063 x 032V
							2000	3200	151	38	113	SZ7066.2 .063 x 038V
							2000	3200	175	50	125	SZ7066.2 .063 x 050V
							2000	3200	201	63	138	SZ7066.2 .063 x 063V

SZ7066.2.V Connecting nitrogen cylinder

version extra heavy

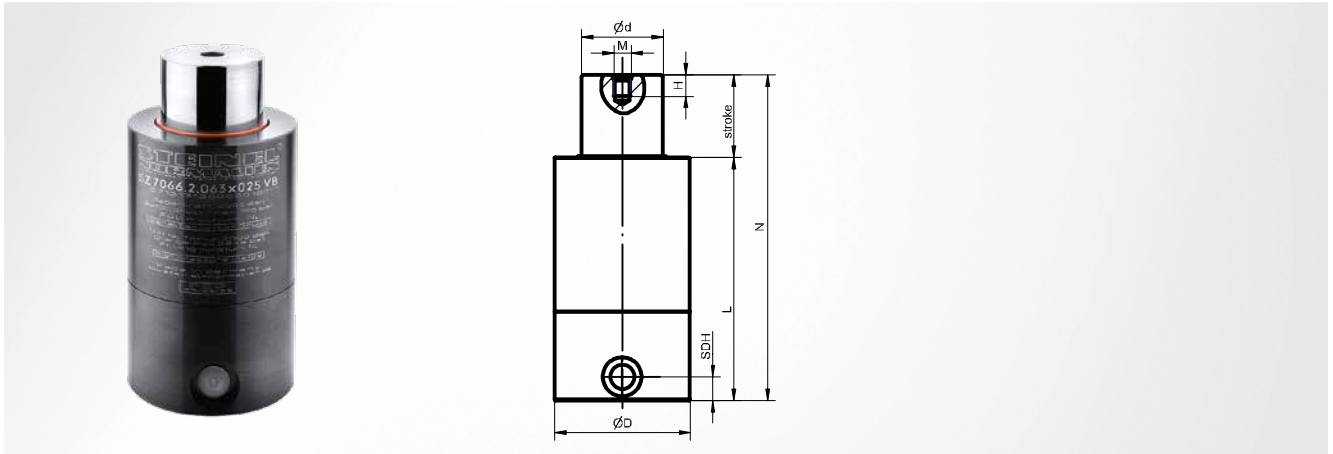
D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
63	38	G1/8	on the side	176	M8	8	2000	3200	235	80	155	SZ7066.2 .063 x 080V
							2000	3200	280	100	180	SZ7066.2 .063 x 100V
							2000	3200	335	125	210	SZ7066.2 .063 x 125V
75	45	G1/8	on the side	189	M8	8	3000	4050	85	5	80	SZ7066.2 .075 x 005V
							3000	4590	95	10	85	SZ7066.2 .075 x 010V
							3000	4800	105	15	90	SZ7066.2 .075 x 015V
							3000	4800	113	19	94	SZ7066.2 .075 x 019V
							3000	4800	125	25	100	SZ7066.2 .075 x 025V
							3000	4800	139	32	107	SZ7066.2 .075 x 032V
							3000	4800	151	38	113	SZ7066.2 .075 x 038V
							3000	4800	175	50	125	SZ7066.2 .075 x 050V
							3000	4800	201	63	138	SZ7066.2 .075 x 063V
							3000	4800	235	80	155	SZ7066.2 .075 x 080V
							3000	4800	275	100	175	SZ7066.2 .075 x 100V
							3000	4800	345	125	220	SZ7066.2 .075 x 125V
95	55	G1/8	on the side	210	M8	8	5000	7000	95	5	90	SZ7066.2 .095 x 005V
							5000	7800	105	10	95	SZ7066.2 .095 x 010V
							5000	8000	115	15	100	SZ7066.2 .095 x 015V
							5000	8000	123	19	104	SZ7066.2 .095 x 019V
							5000	8000	135	25	110	SZ7066.2 .095 x 025V
							5000	8000	149	32	117	SZ7066.2 .095 x 032V
							5000	8000	161	38	123	SZ7066.2 .095 x 038V
							5000	8000	185	50	135	SZ7066.2 .095 x 050V
							5000	8000	211	63	148	SZ7066.2 .095 x 063V
							5000	8000	255	80	175	SZ7066.2 .095 x 080V
							5000	8000	305	100	205	SZ7066.2 .095 x 100V
							5000	8000	365	125	240	SZ7066.2 .095 x 125V



SZ7066.2.VB Connecting nitrogen cylinder

STEINEL®

version extra heavy, with burst protection



Base

Composite base; with burst protection

Delivery

will be supplied unfilled

Burst protection

integrated

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

Filling

carried out via composite system

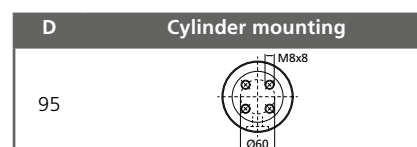
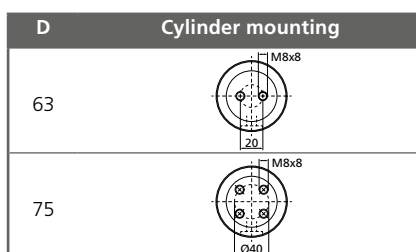
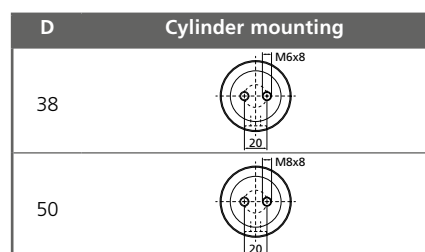
D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
38	22	G1/8	on the side	197	M6	6	750	1050	75	5	70	SZ7066.2 .038 x 005VB
							750	1155	85	10	75	SZ7066.2 .038 x 010VB
							750	1200	95	15	80	SZ7066.2 .038 x 015VB
							750	1200	103	19	84	SZ7066.2 .038 x 019VB
							750	1200	115	25	90	SZ7066.2 .038 x 025VB
							750	1200	129	32	97	SZ7066.2 .038 x 032VB
							750	1200	141	38	103	SZ7066.2 .038 x 038VB
							750	1200	165	50	115	SZ7066.2 .038 x 050VB
							750	1200	191	63	128	SZ7066.2 .038 x 063VB
							750	1200	225	80	145	SZ7066.2 .038 x 080VB
							750	1200	265	100	165	SZ7066.2 .038 x 100VB
							750	1200	315	125	190	SZ7066.2 .038 x 125VB
50	30	G1/8	on the side	212	M8	8	1500	2130	80	5	75	SZ7066.2 .050 x 005VB
							1500	2310	90	10	80	SZ7066.2 .050 x 010VB
							1500	2400	100	15	85	SZ7066.2 .050 x 015VB
							1500	2400	108	19	89	SZ7066.2 .050 x 019VB
							1500	2400	120	25	95	SZ7066.2 .050 x 025VB
							1500	2400	134	32	102	SZ7066.2 .050 x 032VB
							1500	2400	146	38	108	SZ7066.2 .050 x 038VB
							1500	2400	170	50	120	SZ7066.2 .050 x 050VB
							1500	2400	196	63	133	SZ7066.2 .050 x 063VB
							1500	2400	230	80	150	SZ7066.2 .050 x 080VB
							1500	2400	270	100	170	SZ7066.2 .050 x 100VB
							1500	2400	335	125	210	SZ7066.2 .050 x 125VB
63	38	G1/8	on the side	176	M8	8	2000	2720	85	5	80	SZ7066.2 .063 x 005VB
							2000	3080	95	10	85	SZ7066.2 .063 x 010VB
							2000	3200	105	15	90	SZ7066.2 .063 x 015VB
							2000	3200	113	19	94	SZ7066.2 .063 x 019VB
							2000	3200	125	25	100	SZ7066.2 .063 x 025VB
							2000	3200	139	32	107	SZ7066.2 .063 x 032VB
							2000	3200	151	38	113	SZ7066.2 .063 x 038VB
							2000	3200	175	50	125	SZ7066.2 .063 x 050VB
							2000	3200	201	63	138	SZ7066.2 .063 x 063VB

SZ7066.2.VB Connecting nitrogen cylinder

STEINEL®

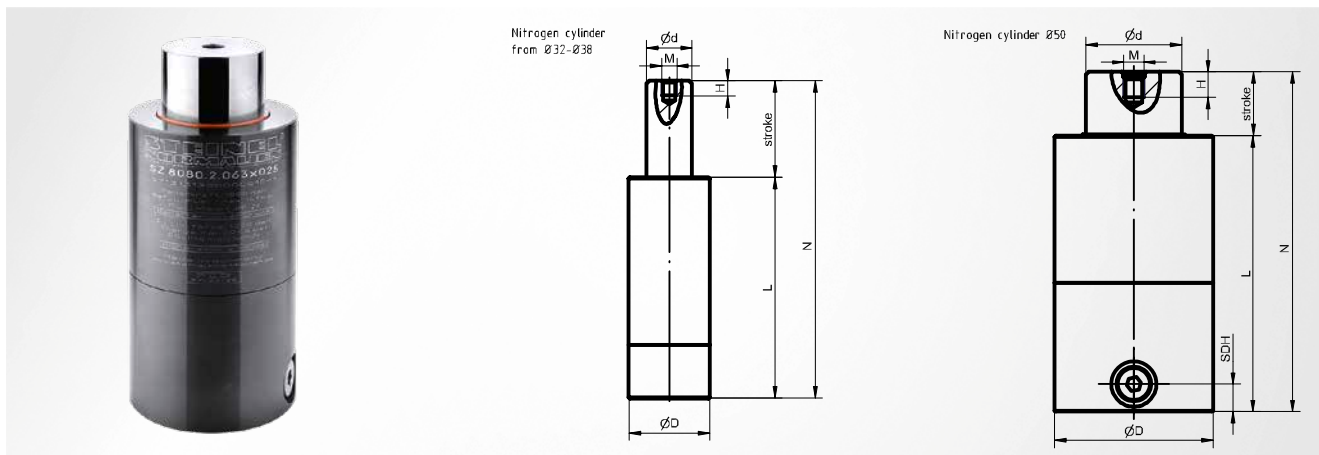
version extra heavy, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
63	38	G1/8	on the side	176	M8	8	2000	3200	235	80	155	SZ7066.2 .063 x 080VB
							2000	3200	280	100	180	SZ7066.2 .063 x 100VB
							2000	3200	335	125	210	SZ7066.2 .063 x 125VB
75	45	G1/8	on the side	189	M8	8	3000	4050	85	5	80	SZ7066.2 .075 x 005VB
							3000	4590	95	10	85	SZ7066.2 .075 x 010VB
							3000	4800	105	15	90	SZ7066.2 .075 x 015VB
							3000	4800	113	19	94	SZ7066.2 .075 x 019VB
							3000	4800	125	25	100	SZ7066.2 .075 x 025VB
							3000	4800	139	32	107	SZ7066.2 .075 x 032VB
							3000	4800	151	38	113	SZ7066.2 .075 x 038VB
							3000	4800	175	50	125	SZ7066.2 .075 x 050VB
							3000	4800	201	63	138	SZ7066.2 .075 x 063VB
							3000	4800	235	80	155	SZ7066.2 .075 x 080VB
							3000	4800	275	100	175	SZ7066.2 .075 x 100VB
							3000	4800	345	125	220	SZ7066.2 .075 x 125VB
95	55	G1/8	on the side	210	M8	8	5000	7000	95	5	90	SZ7066.2 .095 x 005VB
							5000	7800	105	10	95	SZ7066.2 .095 x 010VB
							5000	8000	115	15	100	SZ7066.2 .095 x 015VB
							5000	8000	123	19	104	SZ7066.2 .095 x 019VB
							5000	8000	135	25	110	SZ7066.2 .095 x 025VB
							5000	8000	149	32	117	SZ7066.2 .095 x 032VB
							5000	8000	161	38	123	SZ7066.2 .095 x 038VB
							5000	8000	185	50	135	SZ7066.2 .095 x 050VB
							5000	8000	211	63	148	SZ7066.2 .095 x 063VB
							5000	8000	255	80	175	SZ7066.2 .095 x 080VB
							5000	8000	305	100	205	SZ7066.2 .095 x 100VB
							5000	8000	365	125	240	SZ7066.2 .095 x 125VB



SZ8080.2. Nitrogen cylinder

self-sufficient, standard design



Base

Standard base

Delivery

will be supplied filled

Burst protection

not integrated

Installation instruction

SDH = the height of the lateral connection is 11 mm

Filling

with standard nitrogen

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	105	100	160			70	5	65	SZ8080.2 .019 x 005
					100	160			80	10	70	SZ8080.2 .019 x 010
					100	160			90	15	75	SZ8080.2 .019 x 015
					100	160			98	19	79	SZ8080.2 .019 x 019
					100	160			110	25	85	SZ8080.2 .019 x 025
					100	160			124	32	92	SZ8080.2 .019 x 032
					100	160			136	38	98	SZ8080.2 .019 x 038
					100	160			160	50	110	SZ8080.2 .019 x 050
					100	160			186	63	123	SZ8080.2 .019 x 063
					100	160			220	80	140	SZ8080.2 .019 x 080
					100	160			260	100	160	SZ8080.2 .019 x 100
					100	160			310	125	185	SZ8080.2 .019 x 125
25	14	M8	centred	129	200	320			70	5	65	SZ8080.2 .025 x 005
					200	320			80	10	70	SZ8080.2 .025 x 010
					200	320			90	15	75	SZ8080.2 .025 x 015
					200	320			98	19	79	SZ8080.2 .025 x 019
					200	320	M6	6	110	25	85	SZ8080.2 .025 x 025
					200	320	M6	6	124	32	92	SZ8080.2 .025 x 032
					200	320	M6	6	136	38	98	SZ8080.2 .025 x 038
					200	320	M6	6	160	50	110	SZ8080.2 .025 x 050
					200	320	M6	6	186	63	123	SZ8080.2 .025 x 063
					200	320	M6	6	220	80	140	SZ8080.2 .025 x 080
					200	320	M6	6	260	100	160	SZ8080.2 .025 x 100
					200	320	M6	6	310	125	185	SZ8080.2 .025 x 125
32	18	M8	centred	137	350	490			60	5	55	SZ8080.2 .032 x 005
					350	532	M6	6	70	10	60	SZ8080.2 .032 x 010
					350	560	M6	6	80	15	65	SZ8080.2 .032 x 015
					350	560	M6	6	88	19	69	SZ8080.2 .032 x 019
					350	560	M6	6	100	25	75	SZ8080.2 .032 x 025
					350	560	M6	6	114	32	82	SZ8080.2 .032 x 032
					350	560	M6	6	126	38	88	SZ8080.2 .032 x 038
					350	560	M6	6	150	50	100	SZ8080.2 .032 x 050
					350	560	M6	6	176	63	113	SZ8080.2 .032 x 063
					350	560	M6	6	210	80	130	SZ8080.2 .032 x 080

SZ8080.2. Nitrogen cylinder

self-sufficient, standard design

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
32	18	M8	centred	137	350	560	M6	6	250	100	150	SZ8080.2 .032 x 100
					350	560	M6	6	300	125	175	SZ8080.2 .032 x 125
38	22	M8	centred	131	500	700			65	5	60	SZ8080.2 .038 x 005
					500	770	M6	6	75	10	65	SZ8080.2 .038 x 010
					500	800	M6	6	85	15	70	SZ8080.2 .038 x 015
					500	800	M6	6	93	19	74	SZ8080.2 .038 x 019
					500	800	M6	6	105	25	80	SZ8080.2 .038 x 025
					500	800	M6	6	119	32	87	SZ8080.2 .038 x 032
					500	800	M6	6	131	38	93	SZ8080.2 .038 x 038
					500	800	M6	6	155	50	105	SZ8080.2 .038 x 050
					500	800	M6	6	181	63	118	SZ8080.2 .038 x 063
					500	800	M6	6	220	80	140	SZ8080.2 .038 x 080
					500	800	M6	6	255	100	155	SZ8080.2 .038 x 100
					500	800	M6	6	305	125	180	SZ8080.2 .038 x 125
50	30	G1/8	on the side	141	1000	1420			95	5	90	SZ8080.2 .050 x 005
					1000	1540	M8	8	105	10	95	SZ8080.2 .050 x 010
					1000	1600	M8	8	115	15	100	SZ8080.2 .050 x 015
					1000	1600	M8	8	123	19	104	SZ8080.2 .050 x 019
					1000	1600	M8	8	135	25	110	SZ8080.2 .050 x 025
					1000	1600	M8	8	149	32	117	SZ8080.2 .050 x 032
					1000	1600	M8	8	161	38	123	SZ8080.2 .050 x 038
					1000	1600	M8	8	185	50	135	SZ8080.2 .050 x 050
					1000	1600	M8	8	211	63	148	SZ8080.2 .050 x 063
					1000	1600	M8	8	245	80	165	SZ8080.2 .050 x 080
					1000	1600	M8	8	295	100	195	SZ8080.2 .050 x 100
					1000	1600	M8	8	345	125	220	SZ8080.2 .050 x 125
63	38	G1/8	on the side	132	1500	2040			95	5	90	SZ8080.2 .063 x 005
					1500	2310	M8	8	105	10	95	SZ8080.2 .063 x 010
					1500	2400	M8	8	115	15	100	SZ8080.2 .063 x 015
					1500	2400	M8	8	123	19	104	SZ8080.2 .063 x 019
					1500	2400	M8	8	135	25	110	SZ8080.2 .063 x 025
					1500	2400	M8	8	149	32	117	SZ8080.2 .063 x 032
					1500	2400	M8	8	161	38	123	SZ8080.2 .063 x 038
					1500	2400	M8	8	185	50	135	SZ8080.2 .063 x 050
					1500	2400	M8	8	211	63	148	SZ8080.2 .063 x 063
					1500	2400	M8	8	245	80	165	SZ8080.2 .063 x 080
					1500	2400	M8	8	285	100	185	SZ8080.2 .063 x 100
					1500	2400	M8	8	345	125	220	SZ8080.2 .063 x 125
75	45	G1/8	on the side	157	2500	3375			105	5	100	SZ8080.2 .075 x 005
					2500	3825	M8	8	115	10	105	SZ8080.2 .075 x 010
					2500	4000	M8	8	125	15	110	SZ8080.2 .075 x 015
					2500	4000	M8	8	133	19	114	SZ8080.2 .075 x 019
					2500	4000	M8	8	145	25	120	SZ8080.2 .075 x 025
					2500	4000	M8	8	159	32	127	SZ8080.2 .075 x 032
					2500	4000	M8	8	171	38	133	SZ8080.2 .075 x 038
					2500	4000	M8	8	195	50	145	SZ8080.2 .075 x 050
					2500	4000	M8	8	221	63	158	SZ8080.2 .075 x 063
					2500	4000	M8	8	255	80	175	SZ8080.2 .075 x 080
					2500	4000	M8	8	300	100	200	SZ8080.2 .075 x 100
					2500	4000	M8	8	350	125	225	SZ8080.2 .075 x 125
95	55	G1/8	on the side	168	4000	5600			115	5	110	SZ8080.2 .095 x 005
					4000	6240	M8	8	125	10	115	SZ8080.2 .095 x 010
					4000	6400	M8	8	135	15	120	SZ8080.2 .095 x 015
					4000	6400	M8	8	143	19	124	SZ8080.2 .095 x 019
					4000	6400	M8	8	155	25	130	SZ8080.2 .095 x 025
					4000	6400	M8	8	169	32	137	SZ8080.2 .095 x 032
					4000	6400	M8	8	180	38	142	SZ8080.2 .095 x 038
					4000	6400	M8	8	205	50	155	SZ8080.2 .095 x 050
					4000	6400	M8	8	231	63	168	SZ8080.2 .095 x 063
					4000	6400	M8	8	270	80	190	SZ8080.2 .095 x 080

SZ8080.2. Nitrogen cylinder



self-sufficient, standard design

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	55	G1/8	on the side	168	4000	6400	M8	8	310	100	210	SZ8080.2 .095 x 100
					4000	6400	M8	8	370	125	245	SZ8080.2 .095 x 125

D	Cylinder mounting
19	
25	
32	

D	Cylinder mounting
38	
50	
63	

D	Cylinder mounting
75	
95	

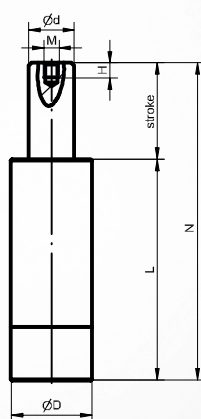
for D 38, the medium thread is only used for filling

SZ8080.2.B Nitrogen cylinder

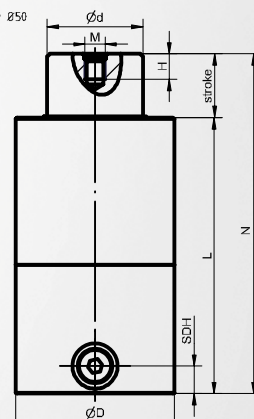
self-sufficient, with burst protection



Nitrogen cylinder
from Ø32-Ø38



Nitrogen cylinder Ø50



Base

Standard base; with burst protection

Delivery

will be supplied filled

Burst protection

integrated

Installation instruction

SDH = the height of the lateral connection is 11 mm

Filling

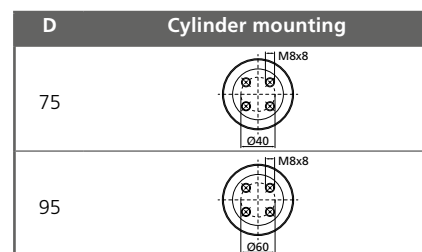
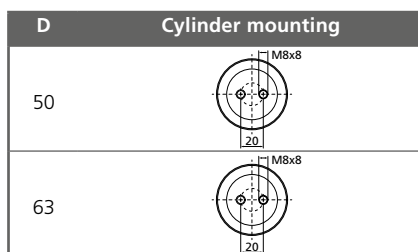
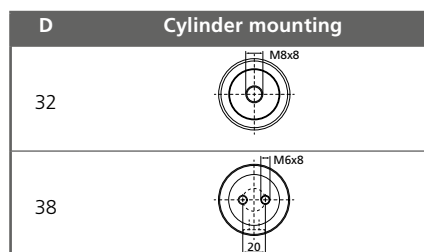
with standard nitrogen

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
32	18	M8	centred	137			350	490	60	5	55	SZ8080.2 .032 x 005B
32	18	M8	centred	137	M6	6	350	532	70	10	60	SZ8080.2 .032 x 010B
							350	560	80	15	65	SZ8080.2 .032 x 015B
							350	560	88	19	69	SZ8080.2 .032 x 019B
							350	560	100	25	75	SZ8080.2 .032 x 025B
							350	560	114	32	82	SZ8080.2 .032 x 032B
							350	560	126	38	88	SZ8080.2 .032 x 038B
							350	560	150	50	100	SZ8080.2 .032 x 050B
							350	560	176	63	113	SZ8080.2 .032 x 063B
							350	560	210	80	130	SZ8080.2 .032 x 080B
							350	560	250	100	150	SZ8080.2 .032 x 100B
							350	560	300	125	175	SZ8080.2 .032 x 125B
38	22	M8	centred	131			500	700	65	5	60	SZ8080.2 .038 x 005B
38	22	M8	centred	131	M6	6	500	770	75	10	65	SZ8080.2 .038 x 010B
							500	800	85	15	70	SZ8080.2 .038 x 015B
							500	800	93	19	74	SZ8080.2 .038 x 019B
							500	800	105	25	80	SZ8080.2 .038 x 025B
							500	800	119	32	87	SZ8080.2 .038 x 032B
							500	800	131	38	93	SZ8080.2 .038 x 038B
							500	800	155	50	105	SZ8080.2 .038 x 050B
							500	800	181	63	118	SZ8080.2 .038 x 063B
							500	800	220	80	140	SZ8080.2 .038 x 080B
							500	800	255	100	155	SZ8080.2 .038 x 100B
							500	800	305	125	180	SZ8080.2 .038 x 125B
50	30	G1/8	on the side	141			1000	1420	95	5	90	SZ8080.2 .050 x 005B
50	30	G1/8	on the side	141	M8	8	1000	1540	105	10	95	SZ8080.2 .050 x 010B
							1000	1600	115	15	100	SZ8080.2 .050 x 015B
							1000	1600	123	19	104	SZ8080.2 .050 x 019B
							1000	1600	135	25	110	SZ8080.2 .050 x 025B
							1000	1600	149	32	117	SZ8080.2 .050 x 032B
							1000	1600	161	38	123	SZ8080.2 .050 x 038B
							1000	1600	185	50	135	SZ8080.2 .050 x 050B
							1000	1600	211	63	148	SZ8080.2 .050 x 063B
							1000	1600	245	80	165	SZ8080.2 .050 x 080B

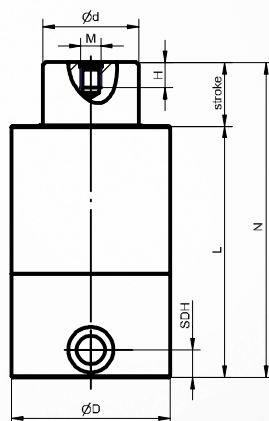
SZ8080.2.B Nitrogen cylinder

self-sufficient, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
50	30	G1/8	on the side	141	M8	8	1000	1600	295	100	195	SZ8080.2 .050 x 100B
							1000	1600	345	125	220	SZ8080.2 .050 x 125B
63	38	G1/8	on the side	132	M8	8	1500	2040	95	5	90	SZ8080.2 .063 x 005B
63	38	G1/8	on the side	132			1500	2310	105	10	95	SZ8080.2 .063 x 010B
							1500	2400	115	15	100	SZ8080.2 .063 x 015B
							1500	2400	123	19	104	SZ8080.2 .063 x 019B
							1500	2400	135	25	110	SZ8080.2 .063 x 025B
							1500	2400	149	32	117	SZ8080.2 .063 x 032B
							1500	2400	161	38	123	SZ8080.2 .063 x 038B
							1500	2400	185	50	135	SZ8080.2 .063 x 050B
							1500	2400	211	63	148	SZ8080.2 .063 x 063B
							1500	2400	245	80	165	SZ8080.2 .063 x 080B
							1500	2400	285	100	185	SZ8080.2 .063 x 100B
1500	2400	345	125	220			SZ8080.2 .063 x 125B					
75	45	G1/8	on the side	157	M8	8	2500	3375	105	5	100	SZ8080.2 .075 x 005B
75	45	G1/8	on the side	157			2500	3825	115	10	105	SZ8080.2 .075 x 010B
							2500	4000	125	15	110	SZ8080.2 .075 x 015B
							2500	4000	133	19	114	SZ8080.2 .075 x 019B
							2500	4000	145	25	120	SZ8080.2 .075 x 025B
							2500	4000	159	32	127	SZ8080.2 .075 x 032B
							2500	4000	171	38	133	SZ8080.2 .075 x 038B
							2500	4000	195	50	145	SZ8080.2 .075 x 050B
							2500	4000	221	63	158	SZ8080.2 .075 x 063B
							2500	4000	255	80	175	SZ8080.2 .075 x 080B
							2500	4000	300	100	200	SZ8080.2 .075 x 100B
							2500	4000	350	125	225	SZ8080.2 .075 x 125B
95	55	G1/8	on the side	168			M8	8	4000	5600	115	5
95	55	G1/8	on the side	168	4000	6240			125	10	115	SZ8080.2 .095 x 010B
					4000	6400			135	15	120	SZ8080.2 .095 x 015B
					4000	6400			143	19	124	SZ8080.2 .095 x 019B
					4000	6400			155	25	130	SZ8080.2 .095 x 025B
					4000	6400			169	32	137	SZ8080.2 .095 x 032B
					4000	6400			180	38	142	SZ8080.2 .095 x 038B
					4000	6400			205	50	155	SZ8080.2 .095 x 050B
					4000	6400			231	63	168	SZ8080.2 .095 x 063B
					4000	6400			270	80	190	SZ8080.2 .095 x 080B
					4000	6400			310	100	210	SZ8080.2 .095 x 100B
4000	6400	370	125	245	SZ8080.2 .095 x 125B							



for D 38, the medium thread is only used for filling

**Base**

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

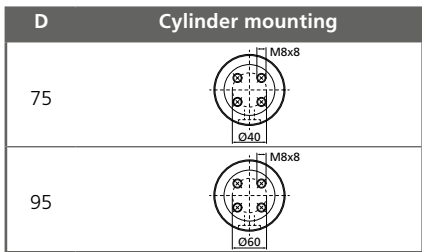
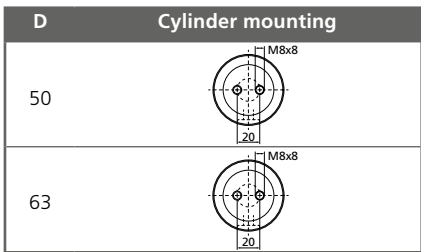
will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

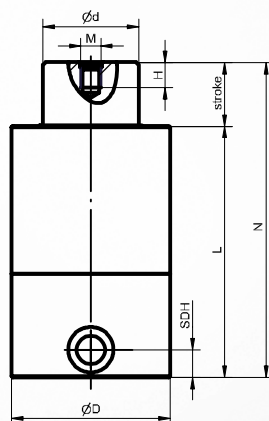
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
50	30	G1/8	on the side	141			1000	1420	95	5	90	SZ8080.2 .050 x 005V
50	30	G1/8	on the side	141	M8	8	1000	1540	105	10	95	SZ8080.2 .050 x 010V
							1000	1600	115	15	100	SZ8080.2 .050 x 015V
							1000	1600	123	19	104	SZ8080.2 .050 x 019V
							1000	1600	135	25	110	SZ8080.2 .050 x 025V
							1000	1600	149	32	117	SZ8080.2 .050 x 032V
							1000	1600	161	38	123	SZ8080.2 .050 x 038V
							1000	1600	185	50	135	SZ8080.2 .050 x 050V
							1000	1600	211	63	148	SZ8080.2 .050 x 063V
							1000	1600	245	80	165	SZ8080.2 .050 x 080V
							1000	1600	295	100	195	SZ8080.2 .050 x 100V
							1000	1600	345	125	220	SZ8080.2 .050 x 125V
63	38	G1/8	on the side	132			1500	2040	95	5	90	SZ8080.2 .063 x 005V
63	38	G1/8	on the side	132	M8	8	1500	2310	105	10	95	SZ8080.2 .063 x 010V
							1500	2400	115	15	100	SZ8080.2 .063 x 015V
							1500	2400	123	19	104	SZ8080.2 .063 x 019V
							1500	2400	135	25	110	SZ8080.2 .063 x 025V
							1500	2400	149	32	117	SZ8080.2 .063 x 032V
							1500	2400	161	38	123	SZ8080.2 .063 x 038V
							1500	2400	185	50	135	SZ8080.2 .063 x 050V
							1500	2400	211	63	148	SZ8080.2 .063 x 063V
							1500	2400	245	80	165	SZ8080.2 .063 x 080V
							1500	2400	285	100	185	SZ8080.2 .063 x 100V
							1500	2400	345	125	220	SZ8080.2 .063 x 125V
75	45	G1/8	on the side	157			2500	3375	105	5	100	SZ8080.2 .075 x 005V
75	45	G1/8	on the side	157	M8	8	2500	3825	115	10	105	SZ8080.2 .075 x 010V
							2500	4000	125	15	110	SZ8080.2 .075 x 015V
							2500	4000	133	19	114	SZ8080.2 .075 x 019V
							2500	4000	145	25	120	SZ8080.2 .075 x 025V
							2500	4000	159	32	127	SZ8080.2 .075 x 032V
							2500	4000	171	38	133	SZ8080.2 .075 x 038V
							2500	4000	195	50	145	SZ8080.2 .075 x 050V
							2500	4000	221	63	158	SZ8080.2 .075 x 063V

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
75	45	G1/8	on the side	157	M8	8	2500	4000	255	80	175	SZ8080.2 .075 x 080V
							2500	4000	300	100	200	SZ8080.2 .075 x 100V
							2500	4000	350	125	225	SZ8080.2 .075 x 125V
95	55	G1/8	on the side	168			4000	5600	115	5	110	SZ8080.2 .095 x 005V
95	55	G1/8	on the side	168	M8	8	4000	6240	125	10	115	SZ8080.2 .095 x 010V
							4000	6400	135	15	120	SZ8080.2 .095 x 015V
							4000	6400	143	19	124	SZ8080.2 .095 x 019V
							4000	6400	155	25	130	SZ8080.2 .095 x 025V
							4000	6400	169	32	137	SZ8080.2 .095 x 032V
							4000	6400	180	38	142	SZ8080.2 .095 x 038V
							4000	6400	205	50	155	SZ8080.2 .095 x 050V
							4000	6400	231	63	168	SZ8080.2 .095 x 063V
							4000	6400	270	80	190	SZ8080.2 .095 x 080V
							4000	6400	310	100	210	SZ8080.2 .095 x 100V
							4000	6400	370	125	245	SZ8080.2 .095 x 125V



SZ8080.2.VB Connecting nitrogen cylinder with burst protection

STEINEL®



Base

Composite base; with burst protection

Burst protection

integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

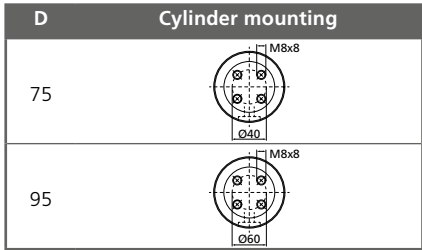
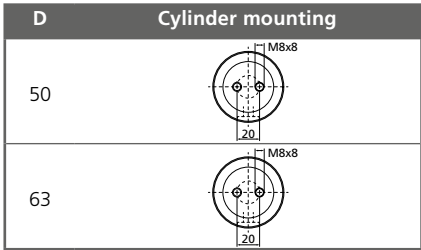
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	daN	daN	N	Stroke	L	Item number
50	30	G1/8	on the side	141			1000	1420	95	5	90	SZ8080.2 .050 x 005VB
50	30	G1/8	on the side	141	M8	8	1000	1540	105	10	95	SZ8080.2 .050 x 010VB
							1000	1600	115	15	100	SZ8080.2 .050 x 015VB
							1000	1600	123	19	104	SZ8080.2 .050 x 019VB
							1000	1600	135	25	110	SZ8080.2 .050 x 025VB
							1000	1600	149	32	117	SZ8080.2 .050 x 032VB
							1000	1600	161	38	123	SZ8080.2 .050 x 038VB
							1000	1600	185	50	135	SZ8080.2 .050 x 050VB
							1000	1600	211	63	148	SZ8080.2 .050 x 063VB
							1000	1600	245	80	165	SZ8080.2 .050 x 080VB
							1000	1600	295	100	195	SZ8080.2 .050 x 100VB
							1000	1600	345	125	220	SZ8080.2 .050 x 125VB
63	38	G1/8	on the side	132			1500	2040	95	5	90	SZ8080.2 .063 x 005VB
63	38	G1/8	on the side	132	M8	8	1500	2310	105	10	95	SZ8080.2 .063 x 010VB
							1500	2400	115	15	100	SZ8080.2 .063 x 015VB
							1500	2400	123	19	104	SZ8080.2 .063 x 019VB
							1500	2400	135	25	110	SZ8080.2 .063 x 025VB
							1500	2400	149	32	117	SZ8080.2 .063 x 032VB
							1500	2400	161	38	123	SZ8080.2 .063 x 038VB
							1500	2400	185	50	135	SZ8080.2 .063 x 050VB
							1500	2400	211	63	148	SZ8080.2 .063 x 063VB
							1500	2400	245	80	165	SZ8080.2 .063 x 080VB
							1500	2400	285	100	185	SZ8080.2 .063 x 100VB
							1500	2400	345	125	220	SZ8080.2 .063 x 125VB
75	45	G1/8	on the side	157			2500	3375	105	5	100	SZ8080.2 .075 x 005VB
75	45	G1/8	on the side	157	M8	8	2500	3825	115	10	105	SZ8080.2 .075 x 010VB
							2500	4000	125	15	110	SZ8080.2 .075 x 015VB
							2500	4000	133	19	114	SZ8080.2 .075 x 019VB
							2500	4000	145	25	120	SZ8080.2 .075 x 025VB
							2500	4000	159	32	127	SZ8080.2 .075 x 032VB
							2500	4000	171	38	133	SZ8080.2 .075 x 038VB
							2500	4000	195	50	145	SZ8080.2 .075 x 050VB
							2500	4000	221	63	158	SZ8080.2 .075 x 063VB

SZ8080.2.VB Connecting nitrogen cylinder

with burst protection

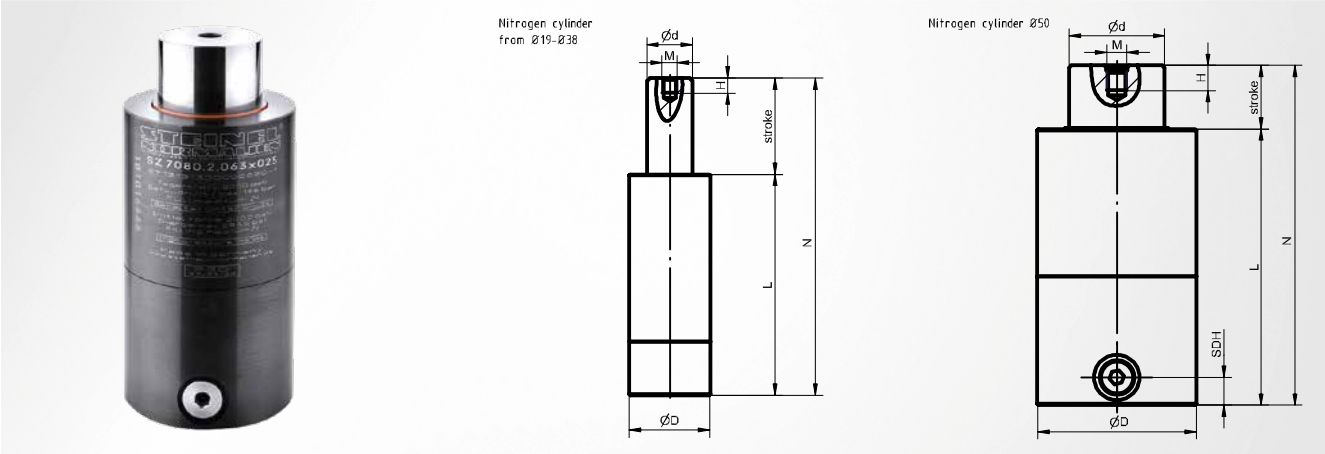


D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number		
75	45	G1/8	on the side	157	M8	8	2500	4000	255	80	175	SZ8080.2 .075 x 080VB		
							2500	4000	300	100	200	SZ8080.2 .075 x 100VB		
							2500	4000	350	125	225	SZ8080.2 .075 x 125VB		
95	55	G1/8	on the side	168	M8	8	4000	5600	115	5	110	SZ8080.2 .095 x 005VB		
95	55	G1/8	on the side	168			4000	6240	125	10	115	SZ8080.2 .095 x 010VB		
							4000	6400	135	15	120	SZ8080.2 .095 x 015VB		
							4000	6400	143	19	124	SZ8080.2 .095 x 019VB		
							4000	6400	155	25	130	SZ8080.2 .095 x 025VB		
							4000	6400	169	32	137	SZ8080.2 .095 x 032VB		
							4000	6400	180	38	142	SZ8080.2 .095 x 038VB		
							4000	6400	205	50	155	SZ8080.2 .095 x 050VB		
							4000	6400	231	63	168	SZ8080.2 .095 x 063VB		
							4000	6400	270	80	190	SZ8080.2 .095 x 080VB		
							4000	6400	310	100	210	SZ8080.2 .095 x 100VB		
							4000	6400	370	125	245	SZ8080.2 .095 x 125VB		



SZ7080.2. Nitrogen cylinder

self-sufficient, version extra heavy



Base

Standard base

Burst protection

not integrated

Filling

with standard nitrogen

Delivery

will be supplied filled

Installation instruction

SDH = the height of the lateral connection is 11 mm

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
19	11	M8	centred	158	150	240			70	5	65	SZ7080.2 .019 x 005
					150	240			80	10	70	SZ7080.2 .019 x 010
					150	240			90	15	75	SZ7080.2 .019 x 015
					150	240			98	19	79	SZ7080.2 .019 x 019
					150	240			110	25	85	SZ7080.2 .019 x 025
					150	240			124	32	92	SZ7080.2 .019 x 032
					150	240			136	38	98	SZ7080.2 .019 x 038
					150	240			160	50	110	SZ7080.2 .019 x 050
					150	240			186	63	123	SZ7080.2 .019 x 063
					150	240			220	80	140	SZ7080.2 .019 x 080
					150	240			260	100	160	SZ7080.2 .019 x 100
					150	240			310	125	185	SZ7080.2 .019 x 125
25	14	M8	centred	195	300	480			70	5	65	SZ7080.2 .025 x 005
					300	480			80	10	70	SZ7080.2 .025 x 010
					300	480			90	15	75	SZ7080.2 .025 x 015
					300	480			98	19	79	SZ7080.2 .025 x 019
					300	480	M6	6	110	25	85	SZ7080.2 .025 x 025
					300	480	M6	6	124	32	92	SZ7080.2 .025 x 032
					300	480	M6	6	136	38	98	SZ7080.2 .025 x 038
					300	480	M6	6	160	50	110	SZ7080.2 .025 x 050
					300	480	M6	6	186	63	123	SZ7080.2 .025 x 063
					300	480	M6	6	220	80	140	SZ7080.2 .025 x 080
					300	480	M6	6	260	100	160	SZ7080.2 .025 x 100
					300	480	M6	6	310	125	185	SZ7080.2 .025 x 125
32	18	M8	centred	196	500	700	M6	6	60	5	55	SZ7080.2 .032 x 005
					500	760	M6	6	70	10	60	SZ7080.2 .032 x 010
					500	800	M6	6	80	15	65	SZ7080.2 .032 x 015
					500	800	M6	6	88	19	69	SZ7080.2 .032 x 019
					500	800	M6	6	100	25	75	SZ7080.2 .032 x 025
					500	800	M6	6	114	32	82	SZ7080.2 .032 x 032
					500	800	M6	6	126	38	88	SZ7080.2 .032 x 038
					500	800	M6	6	150	50	100	SZ7080.2 .032 x 050
					500	800	M6	6	176	63	113	SZ7080.2 .032 x 063
					500	800	M6	6	210	80	130	SZ7080.2 .032 x 080

SZ7080.2. Nitrogen cylinder

self-sufficient, version extra heavy

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
32	18	M8	centred	196	500	800	M6	6	250	100	150	SZ7080.2 .032 x 100
					500	800	M6	6	300	125	175	SZ7080.2 .032 x 125
38	22	M8	centred	197	750	1050	M6	6	65	5	60	SZ7080.2 .038 x 005
					750	1155	M6	6	75	10	65	SZ7080.2 .038 x 010
					750	1200	M6	6	85	15	70	SZ7080.2 .038 x 015
					750	1200	M6	6	93	19	74	SZ7080.2 .038 x 019
					750	1200	M6	6	105	25	80	SZ7080.2 .038 x 025
					750	1200	M6	6	119	32	87	SZ7080.2 .038 x 032
					750	1200	M6	6	131	38	93	SZ7080.2 .038 x 038
					750	1200	M6	6	155	50	105	SZ7080.2 .038 x 050
					750	1200	M6	6	181	63	118	SZ7080.2 .038 x 063
					750	1200	M6	6	220	80	140	SZ7080.2 .038 x 080
					750	1200	M6	6	255	100	155	SZ7080.2 .038 x 100
					750	1200	M6	6	305	125	180	SZ7080.2 .038 x 125
50	30	G1/8	on the side	212	1500	2130	M8	8	95	5	90	SZ7080.2 .050 x 005
					1500	2310	M8	8	105	10	95	SZ7080.2 .050 x 010
					1500	2400	M8	8	115	15	100	SZ7080.2 .050 x 015
					1500	2400	M8	8	123	19	104	SZ7080.2 .050 x 019
					1500	2400	M8	8	135	25	110	SZ7080.2 .050 x 025
					1500	2400	M8	8	149	32	117	SZ7080.2 .050 x 032
					1500	2400	M8	8	161	38	123	SZ7080.2 .050 x 038
					1500	2400	M8	8	185	50	135	SZ7080.2 .050 x 050
					1500	2400	M8	8	211	63	148	SZ7080.2 .050 x 063
					1500	2400	M8	8	245	80	165	SZ7080.2 .050 x 080
					1500	2400	M8	8	295	100	195	SZ7080.2 .050 x 100
					1500	2400	M8	8	345	125	220	SZ7080.2 .050 x 125
63	38	G1/8	on the side	176	2000	2720	M8	8	95	5	90	SZ7080.2 .063 x 005
					2000	3080	M8	8	105	10	95	SZ7080.2 .063 x 010
					2000	3200	M8	8	115	15	100	SZ7080.2 .063 x 015
					2000	3200	M8	8	123	19	104	SZ7080.2 .063 x 019
					2000	3200	M8	8	135	25	110	SZ7080.2 .063 x 025
					2000	3200	M8	8	149	32	117	SZ7080.2 .063 x 032
					2000	3200	M8	8	161	38	123	SZ7080.2 .063 x 038
					2000	3200	M8	8	185	50	135	SZ7080.2 .063 x 050
					2000	3200	M8	8	211	63	148	SZ7080.2 .063 x 063
					2000	3200	M8	8	245	80	165	SZ7080.2 .063 x 080
					2000	3200	M8	8	285	100	185	SZ7080.2 .063 x 100
					2000	3200	M8	8	345	125	220	SZ7080.2 .063 x 125
75	45	G1/8	on the side	189	3000	4050	M8	8	105	5	100	SZ7080.2 .075 x 005
					3000	4590	M8	8	115	10	105	SZ7080.2 .075 x 010
					3000	4800	M8	8	125	15	110	SZ7080.2 .075 x 015
					3000	4800	M8	8	133	19	114	SZ7080.2 .075 x 019
					3000	4800	M8	8	145	25	120	SZ7080.2 .075 x 025
					3000	4800	M8	8	159	32	127	SZ7080.2 .075 x 032
					3000	4800	M8	8	171	38	133	SZ7080.2 .075 x 038
					3000	4800	M8	8	195	50	145	SZ7080.2 .075 x 050
					3000	4800	M8	8	221	63	158	SZ7080.2 .075 x 063
					3000	4800	M8	8	255	80	175	SZ7080.2 .075 x 080
					3000	4800	M8	8	300	100	200	SZ7080.2 .075 x 100
					3000	4800	M8	8	350	125	225	SZ7080.2 .075 x 125
95	55	G1/8	on the side	210	5000	7000	M8	8	115	5	110	SZ7080.2 .095 x 005
					5000	7800	M8	8	125	10	115	SZ7080.2 .095 x 010
					5000	8000	M8	8	135	15	120	SZ7080.2 .095 x 015
					5000	8000	M8	8	143	19	124	SZ7080.2 .095 x 019
					5000	8000	M8	8	155	25	130	SZ7080.2 .095 x 025
					5000	8000	M8	8	169	32	137	SZ7080.2 .095 x 032
					5000	8000	M8	8	180	38	142	SZ7080.2 .095 x 038
					5000	8000	M8	8	205	50	155	SZ7080.2 .095 x 050
					5000	8000	M8	8	231	63	168	SZ7080.2 .095 x 063
					5000	8000	M8	8	270	80	190	SZ7080.2 .095 x 080

SZ7080.2. Nitrogen cylinder
self-sufficient, version extra heavy

D	d	Filling thread	Position filling thread	Filling pressure max. bar	 daN	 daN	M	H	N	Stroke	L	Item number
95	55	G1/8	on the side	210	5000	8000	M8	8	310	100	210	SZ7080.2 .095 x 100
					5000	8000	M8	8	370	125	245	SZ7080.2 .095 x 125

D	Cylinder mounting
19	
25	
32	

D	Cylinder mounting
38	
50	
63	

D	Cylinder mounting
75	
95	

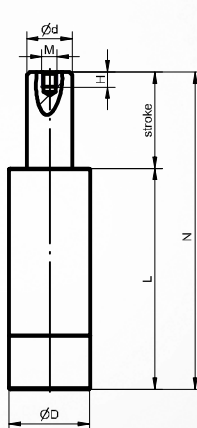
for D 38, the medium thread is only used for filling

SZ7080.2.B Nitrogen cylinder

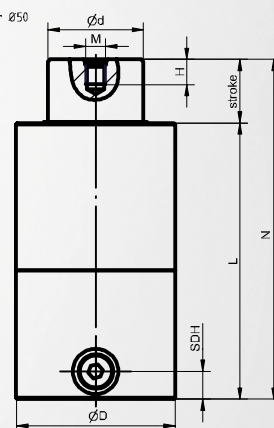
self-sufficient, version extra heavy, with burst protection



Nitrogen cylinder
from Ø19-Ø38



Nitrogen cylinder Ø50



Base

Standard base; with burst protection

Delivery

will be supplied filled

Burst protection

integrated

Installation instruction

SDH = the height of the lateral connection is 11 mm

Filling

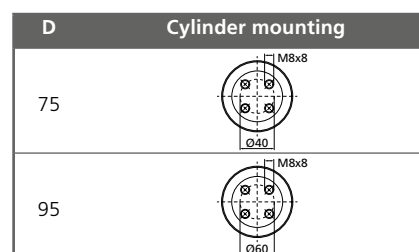
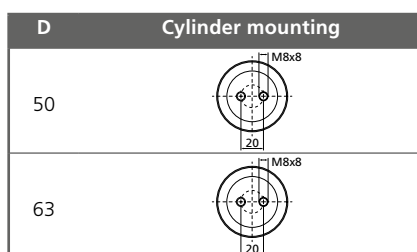
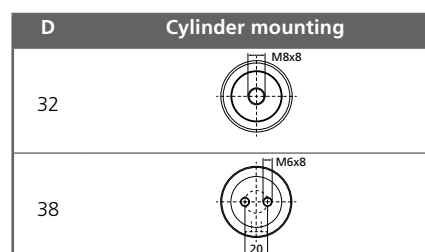
with standard nitrogen

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
32	18	M8	centred	196	M6	6	500	700	60	5	55	SZ7080.2 .032 x 005B
							500	760	70	10	60	SZ7080.2 .032 x 010B
							500	800	80	15	65	SZ7080.2 .032 x 015B
							500	800	88	19	69	SZ7080.2 .032 x 019B
							500	800	100	25	75	SZ7080.2 .032 x 025B
							500	800	114	32	82	SZ7080.2 .032 x 032B
							500	800	126	38	88	SZ7080.2 .032 x 038B
							500	800	150	50	100	SZ7080.2 .032 x 050B
							500	800	176	63	113	SZ7080.2 .032 x 063B
							500	800	210	80	130	SZ7080.2 .032 x 080B
							500	800	250	100	150	SZ7080.2 .032 x 100B
							500	800	300	125	175	SZ7080.2 .032 x 125B
38	22	M8	centred	197	M6	6	750	1050	65	5	60	SZ7080.2 .038 x 005B
							750	1155	75	10	65	SZ7080.2 .038 x 010B
							750	1200	85	15	70	SZ7080.2 .038 x 015B
							750	1200	93	19	74	SZ7080.2 .038 x 019B
							750	1200	105	25	80	SZ7080.2 .038 x 025B
							750	1200	119	32	87	SZ7080.2 .038 x 032B
							750	1200	131	38	93	SZ7080.2 .038 x 038B
							750	1200	155	50	105	SZ7080.2 .038 x 050B
							750	1200	181	63	118	SZ7080.2 .038 x 063B
							750	1200	220	80	140	SZ7080.2 .038 x 080B
							750	1200	255	100	155	SZ7080.2 .038 x 100B
							750	1200	305	125	180	SZ7080.2 .038 x 125B
50	30	G1/8	on the side	212	M8	8	1500	2130	95	5	90	SZ7080.2 .050 x 005B
							1500	2310	105	10	95	SZ7080.2 .050 x 010B
							1500	2400	115	15	100	SZ7080.2 .050 x 015B
							1500	2400	123	19	104	SZ7080.2 .050 x 019B
							1500	2400	135	25	110	SZ7080.2 .050 x 025B
							1500	2400	149	32	117	SZ7080.2 .050 x 032B
							1500	2400	161	38	123	SZ7080.2 .050 x 038B
							1500	2400	185	50	135	SZ7080.2 .050 x 050B
							1500	2400	211	63	148	SZ7080.2 .050 x 063B
							1500	2400	245	80	165	SZ7080.2 .050 x 080B

SZ7080.2.B Nitrogen cylinder

self-sufficient, version extra heavy, with burst protection

D	d	Filling thread	Position filling thread	Filling pressure max. bar	M	H			N	Stroke	L	Item number
							daN	daN				
50	30	G1/8	on the side	212	M8	8	1500	2400	295	100	195	SZ7080.2 .050 x 100B
							1500	2400	345	125	220	SZ7080.2 .050 x 125B
63	38	G1/8	on the side	176	M8	8	2000	2720	95	5	90	SZ7080.2 .063 x 005B
							2000	3080	105	10	95	SZ7080.2 .063 x 010B
							2000	3200	115	15	100	SZ7080.2 .063 x 015B
							2000	3200	123	19	104	SZ7080.2 .063 x 019B
							2000	3200	135	25	110	SZ7080.2 .063 x 025B
							2000	3200	149	32	117	SZ7080.2 .063 x 032B
							2000	3200	161	38	123	SZ7080.2 .063 x 038B
							2000	3200	185	50	135	SZ7080.2 .063 x 050B
							2000	3200	211	63	148	SZ7080.2 .063 x 063B
							2000	3200	245	80	165	SZ7080.2 .063 x 080B
							2000	3200	285	100	185	SZ7080.2 .063 x 100B
							2000	3200	345	125	220	SZ7080.2 .063 x 125B
75	45	G1/8	on the side	189	M8	8	3000	4050	105	5	100	SZ7080.2 .075 x 005B
							3000	4590	115	10	105	SZ7080.2 .075 x 010B
							3000	4800	125	15	110	SZ7080.2 .075 x 015B
							3000	4800	133	19	114	SZ7080.2 .075 x 019B
							3000	4800	145	25	120	SZ7080.2 .075 x 025B
							3000	4800	159	32	127	SZ7080.2 .075 x 032B
							3000	4800	171	38	133	SZ7080.2 .075 x 038B
							3000	4800	195	50	145	SZ7080.2 .075 x 050B
							3000	4800	221	63	158	SZ7080.2 .075 x 063B
							3000	4800	255	80	175	SZ7080.2 .075 x 080B
							3000	4800	300	100	200	SZ7080.2 .075 x 100B
							3000	4800	350	125	225	SZ7080.2 .075 x 125B
95	55	G1/8	on the side	210	M8	8	5000	7000	115	5	110	SZ7080.2 .095 x 005B
							5000	7800	125	10	115	SZ7080.2 .095 x 010B
							5000	8000	135	15	120	SZ7080.2 .095 x 015B
							5000	8000	143	19	124	SZ7080.2 .095 x 019B
							5000	8000	155	25	130	SZ7080.2 .095 x 025B
							5000	8000	169	32	137	SZ7080.2 .095 x 032B
							5000	8000	180	38	142	SZ7080.2 .095 x 038B
							5000	8000	205	50	155	SZ7080.2 .095 x 050B
							5000	8000	231	63	168	SZ7080.2 .095 x 063B
							5000	8000	270	80	190	SZ7080.2 .095 x 080B
							5000	8000	310	100	210	SZ7080.2 .095 x 100B
							5000	8000	370	125	245	SZ7080.2 .095 x 125B

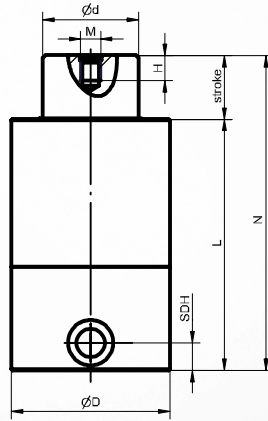


for D 38, the medium thread is only used for filling

SZ7080.2.V Connecting nitrogen cylinder

STEINEL®

version extra heavy



Base

Composite base

Burst protection

not integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

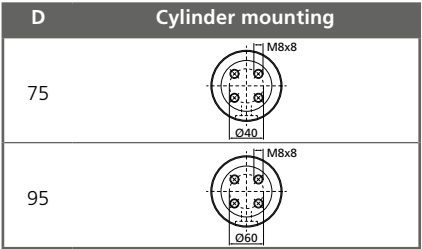
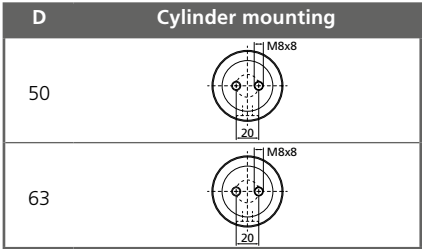
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
50	30	G1/8	on the side	212	M8	8	1500	2130	95	5	90	SZ7080.2 .050 x 005V
							1500	2310	105	10	95	SZ7080.2 .050 x 010V
							1500	2400	115	15	100	SZ7080.2 .050 x 015V
							1500	2400	123	19	104	SZ7080.2 .050 x 019V
							1500	2400	135	25	110	SZ7080.2 .050 x 025V
							1500	2400	149	32	117	SZ7080.2 .050 x 032V
							1500	2400	161	38	123	SZ7080.2 .050 x 038V
							1500	2400	185	50	135	SZ7080.2 .050 x 050V
							1500	2400	211	63	148	SZ7080.2 .050 x 063V
							1500	2400	245	80	165	SZ7080.2 .050 x 080V
							1500	2400	295	100	195	SZ7080.2 .050 x 100V
							1500	2400	345	125	220	SZ7080.2 .050 x 125V
63	38	G1/8	on the side	176	M8	8	2000	2720	95	5	90	SZ7080.2 .063 x 005V
							2000	3080	105	10	95	SZ7080.2 .063 x 010V
							2000	3200	115	15	100	SZ7080.2 .063 x 015V
							2000	3200	123	19	104	SZ7080.2 .063 x 019V
							2000	3200	135	25	110	SZ7080.2 .063 x 025V
							2000	3200	149	32	117	SZ7080.2 .063 x 032V
							2000	3200	161	38	123	SZ7080.2 .063 x 038V
							2000	3200	185	50	135	SZ7080.2 .063 x 050V
							2000	3200	211	63	148	SZ7080.2 .063 x 063V
							2000	3200	245	80	165	SZ7080.2 .063 x 080V
							2000	3200	285	100	185	SZ7080.2 .063 x 100V
							2000	3200	345	125	220	SZ7080.2 .063 x 125V
75	45	G1/8	on the side	189	M8	8	3000	4050	105	5	100	SZ7080.2 .075 x 005V
							3000	4590	115	10	105	SZ7080.2 .075 x 010V
							3000	4800	125	15	110	SZ7080.2 .075 x 015V
							3000	4800	133	19	114	SZ7080.2 .075 x 019V
							3000	4800	145	25	120	SZ7080.2 .075 x 025V
							3000	4800	159	32	127	SZ7080.2 .075 x 032V
							3000	4800	171	38	133	SZ7080.2 .075 x 038V
							3000	4800	195	50	145	SZ7080.2 .075 x 050V
							3000	4800	221	63	158	SZ7080.2 .075 x 063V

SZ7080.2.V Connecting nitrogen cylinder



version extra heavy

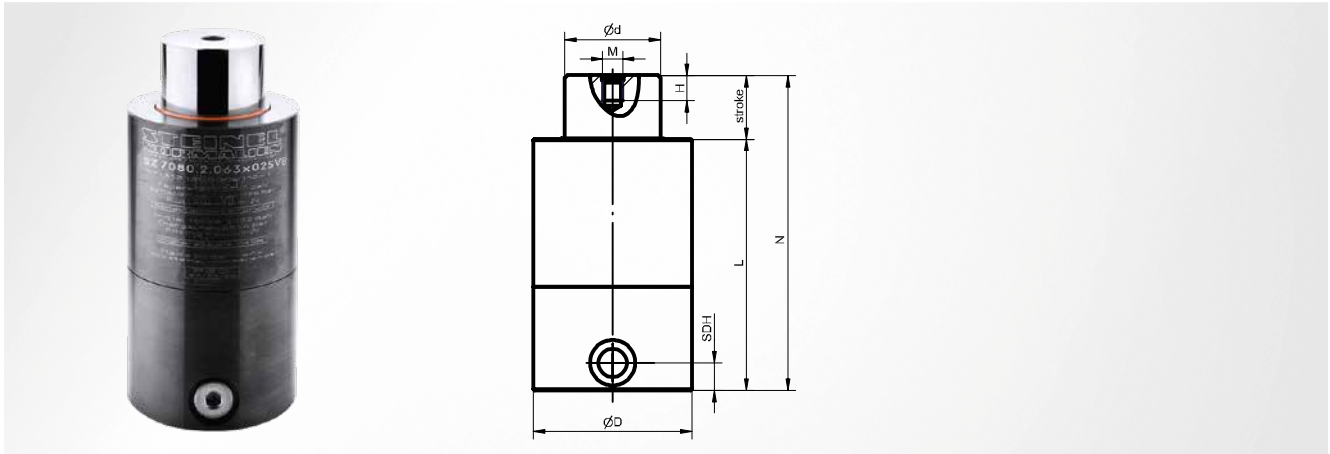
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
75	45	G1/8	on the side	189	M8	8	3000	4800	255	80	175	SZ7080.2 .075 x 080V
							3000	4800	300	100	200	SZ7080.2 .075 x 100V
							3000	4800	350	125	225	SZ7080.2 .075 x 125V
95	55	G1/8	on the side	210	M8	8	5000	7000	115	5	110	SZ7080.2 .095 x 005V
							5000	7800	125	10	115	SZ7080.2 .095 x 010V
							5000	8000	135	15	120	SZ7080.2 .095 x 015V
							5000	8000	143	19	124	SZ7080.2 .095 x 019V
							5000	8000	155	25	130	SZ7080.2 .095 x 025V
							5000	8000	169	32	137	SZ7080.2 .095 x 032V
							5000	8000	180	38	142	SZ7080.2 .095 x 038V
							5000	8000	205	50	155	SZ7080.2 .095 x 050V
							5000	8000	231	63	168	SZ7080.2 .095 x 063V
							5000	8000	270	80	190	SZ7080.2 .095 x 080V
							5000	8000	310	100	210	SZ7080.2 .095 x 100V
							5000	8000	370	125	245	SZ7080.2 .095 x 125V



SZ7080.2.VB Connecting nitrogen cylinder

STEINEL®

version extra heavy, with burst protection



Base

Composite base; with burst protection

Burst protection

integrated

Filling

carried out via composite system

Delivery

will be supplied unfilled

Installation instruction

Spring is equipped to be connected on its side with G1/8 male stud couplings; filling is carried out via the connected control panel; SDH = the height of the lateral connection is 11 mm

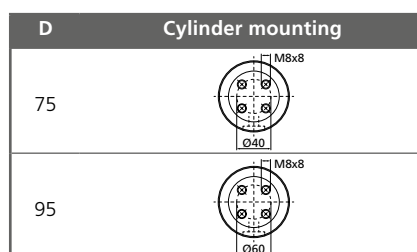
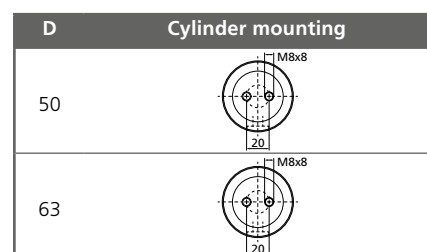
D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	daN	daN	N	Stroke	L	Item number
50	30	G1/8	on the side	212	M8	8	1500	2130	95	5	90	SZ7080.2 .050 x 005VB
							1500	2310	105	10	95	SZ7080.2 .050 x 010VB
							1500	2400	115	15	100	SZ7080.2 .050 x 015VB
							1500	2400	123	19	104	SZ7080.2 .050 x 019VB
							1500	2400	135	25	110	SZ7080.2 .050 x 025VB
							1500	2400	149	32	117	SZ7080.2 .050 x 032VB
							1500	2400	161	38	123	SZ7080.2 .050 x 038VB
							1500	2400	185	50	135	SZ7080.2 .050 x 050VB
							1500	2400	211	63	148	SZ7080.2 .050 x 063VB
							1500	2400	245	80	165	SZ7080.2 .050 x 080VB
							1500	2400	295	100	195	SZ7080.2 .050 x 100VB
							1500	2400	345	125	220	SZ7080.2 .050 x 125VB
63	38	G1/8	on the side	176	M8	8	2000	2720	95	5	90	SZ7080.2 .063 x 005VB
							2000	3080	105	10	95	SZ7080.2 .063 x 010VB
							2000	3200	115	15	100	SZ7080.2 .063 x 015VB
							2000	3200	123	19	104	SZ7080.2 .063 x 019VB
							2000	3200	135	25	110	SZ7080.2 .063 x 025VB
							2000	3200	149	32	117	SZ7080.2 .063 x 032VB
							2000	3200	161	38	123	SZ7080.2 .063 x 038VB
							2000	3200	185	50	135	SZ7080.2 .063 x 050VB
							2000	3200	211	63	148	SZ7080.2 .063 x 063VB
							2000	3200	245	80	165	SZ7080.2 .063 x 080VB
							2000	3200	285	100	185	SZ7080.2 .063 x 100VB
							2000	3200	345	125	220	SZ7080.2 .063 x 125VB
75	45	G1/8	on the side	189	M8	8	3000	4050	105	5	100	SZ7080.2 .075 x 005VB
							3000	4590	115	10	105	SZ7080.2 .075 x 010VB
							3000	4800	125	15	110	SZ7080.2 .075 x 015VB
							3000	4800	133	19	114	SZ7080.2 .075 x 019VB
							3000	4800	145	25	120	SZ7080.2 .075 x 025VB
							3000	4800	159	32	127	SZ7080.2 .075 x 032VB
							3000	4800	171	38	133	SZ7080.2 .075 x 038VB
							3000	4800	195	50	145	SZ7080.2 .075 x 050VB
							3000	4800	221	63	158	SZ7080.2 .075 x 063VB

SZ7080.2.VB Connecting nitrogen cylinder

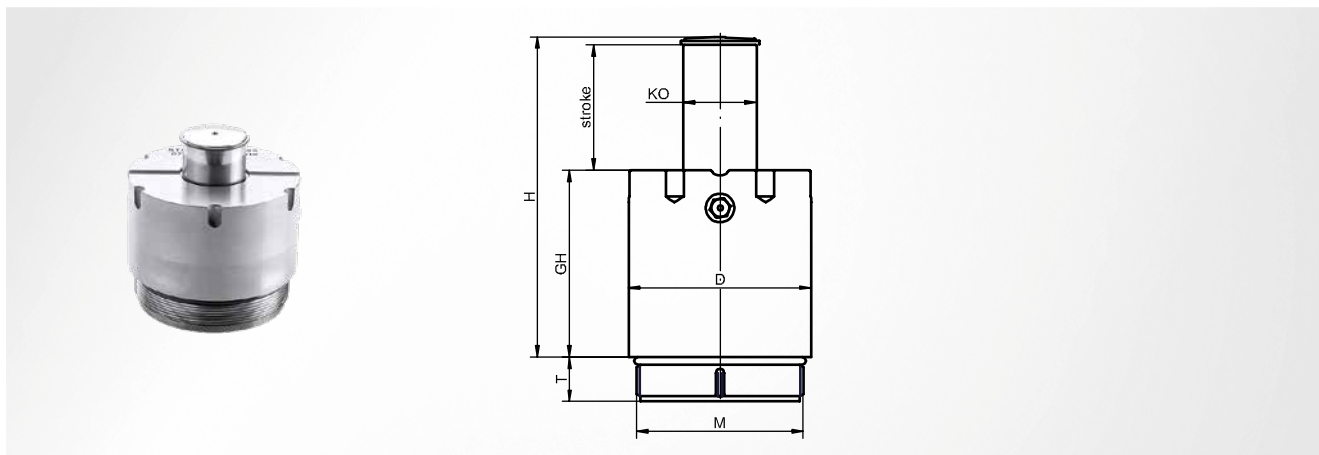
STEINEL®

version extra heavy, with burst protection

D	d	Connecting thread	Position connecting thread	Filling pressure max. bar	M	H	 daN	 daN	N	Stroke	L	Item number
75	45	G1/8	on the side	189	M8	8	3000	4800	255	80	175	SZ7080.2 .075 x 080VB
							3000	4800	300	100	200	SZ7080.2 .075 x 100VB
							3000	4800	350	125	225	SZ7080.2 .075 x 125VB
95	55	G1/8	on the side	210	M8	8	5000	7000	115	5	110	SZ7080.2 .095 x 005VB
							5000	7800	125	10	115	SZ7080.2 .095 x 010VB
							5000	8000	135	15	120	SZ7080.2 .095 x 015VB
							5000	8000	143	19	124	SZ7080.2 .095 x 019VB
							5000	8000	155	25	130	SZ7080.2 .095 x 025VB
							5000	8000	169	32	137	SZ7080.2 .095 x 032VB
							5000	8000	180	38	142	SZ7080.2 .095 x 038VB
							5000	8000	205	50	155	SZ7080.2 .095 x 050VB
							5000	8000	231	63	168	SZ7080.2 .095 x 063VB
							5000	8000	270	80	190	SZ7080.2 .095 x 080VB
							5000	8000	310	100	210	SZ7080.2 .095 x 100VB
							5000	8000	370	125	245	SZ7080.2 .095 x 125VB



high



Delivery

will be supplied unfilled

Note

Initial force at 110 bar filling pressure

Installation instruction

Case height changes with the stroke; is used when the thickness of the backing plate is limited and the assembly height can be compensated

Initial force daN	Cylinder type	D	KO	M	T	GH	H	Stroke	Item number
500	005	42	12	M36 x 2	15.0	31.3	45.5	12.5	ST8841 -1-005 x 012
						43.8	70.5	25.0	ST8841 -1-005 x 025
						56.8	96.5	38.0	ST8841 -1-005 x 038
						68.8	120.5	50.0	ST8841 -1-005 x 050
						93.8	170.5	75.0	ST8841 -1-005 x 075
						118.8	220.5	100.0	ST8841 -1-005 x 100
1000	010	54	22	M48 x 2	15.5	46.8	73.5	25.0	ST8841 -1-010 x 025
						59.8	99.5	38.0	ST8841 -1-010 x 038
						71.8	123.5	50.0	ST8841 -1-010 x 050
						96.8	173.5	75.0	ST8841 -1-010 x 075
						121.8	223.5	100.0	ST8841 -1-010 x 100
						171.8	323.5	150.0	ST8841 -1-010 x 150
2500	025	70	28	M64 x 2	17.0	46.8	73.0	25.0	ST8841 -1-025 x 025
						59.8	99.0	38.0	ST8841 -1-025 x 038
						71.8	123.0	50.0	ST8841 -1-025 x 050
						96.8	173.0	75.0	ST8841 -1-025 x 075
						121.8	223.0	100.0	ST8841 -1-025 x 100
						171.8	323.0	150.0	ST8841 -1-025 x 150
3500	035	88	28	M80 x 2	19.5	56.5	83.5	25.0	ST8841 -1-035 x 025
						69.5	109.5	38.0	ST8841 -1-035 x 038
						81.5	133.5	50.0	ST8841 -1-035 x 050
						106.5	183.5	75.0	ST8841 -1-035 x 075
						131.5	233.5	100.0	ST8841 -1-035 x 100
						181.5	333.5	150.0	ST8841 -1-035 x 150
5500	055	108	40	M100 x 2	25.0	61.5	88.5	25.0	ST8841 -1-055 x 025
						74.5	114.5	38.0	ST8841 -1-055 x 038
						86.5	138.5	50.0	ST8841 -1-055 x 050
						111.5	188.5	75.0	ST8841 -1-055 x 075
						136.5	238.5	100.0	ST8841 -1-055 x 100
						186.5	338.5	150.0	ST8841 -1-055 x 150
10000	100	146	50	M130 x 2	27.0	66.5	93.5	25.0	ST8841 -1-100 x 025
						79.5	119.5	38.0	ST8841 -1-100 x 038
						91.5	143.5	50.0	ST8841 -1-100 x 050

ST8841-1 Manifold cylinder

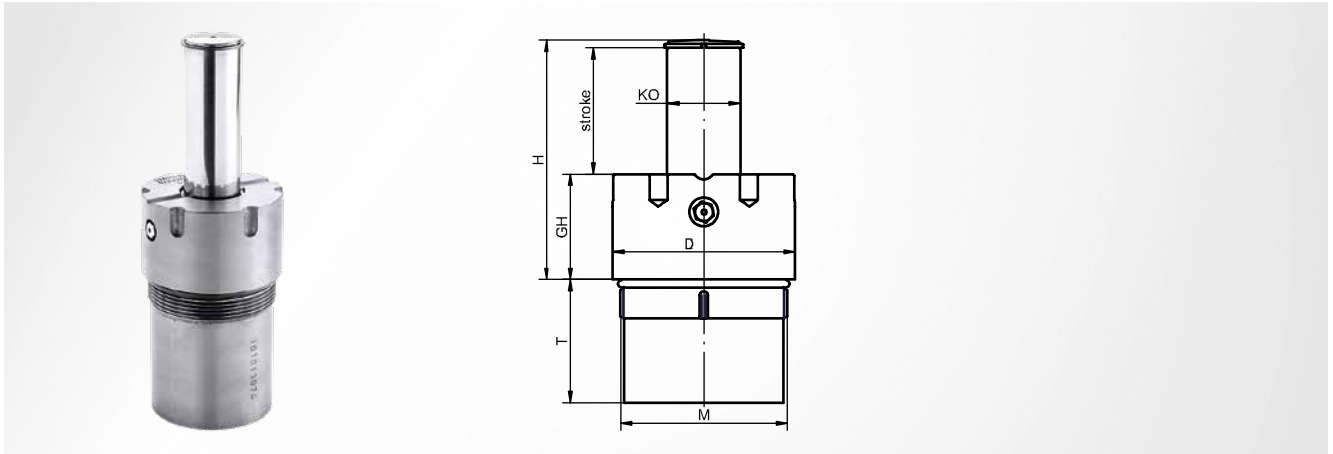
high



Initial force daN	Cylinder type	D	KO	M	T	GH	H	Stroke	Item number
10000	100	146	50	M130 x 2	27.0	116.5	193.5	75.0	ST8841 -1-100 x 075
						141.5	243.5	100.0	ST8841 -1-100 x 100
						191.5	343.5	150.0	ST8841 -1-100 x 150

ST8841-2 Manifold cylinder

normal



Delivery

will be supplied unfilled

Note

Initial force at 110 bar filling pressure

Installation instruction

Casing installation depth changes with the stroke; is used when the assembly height is limited but the backing plate can be chosen with an appropriate thickness

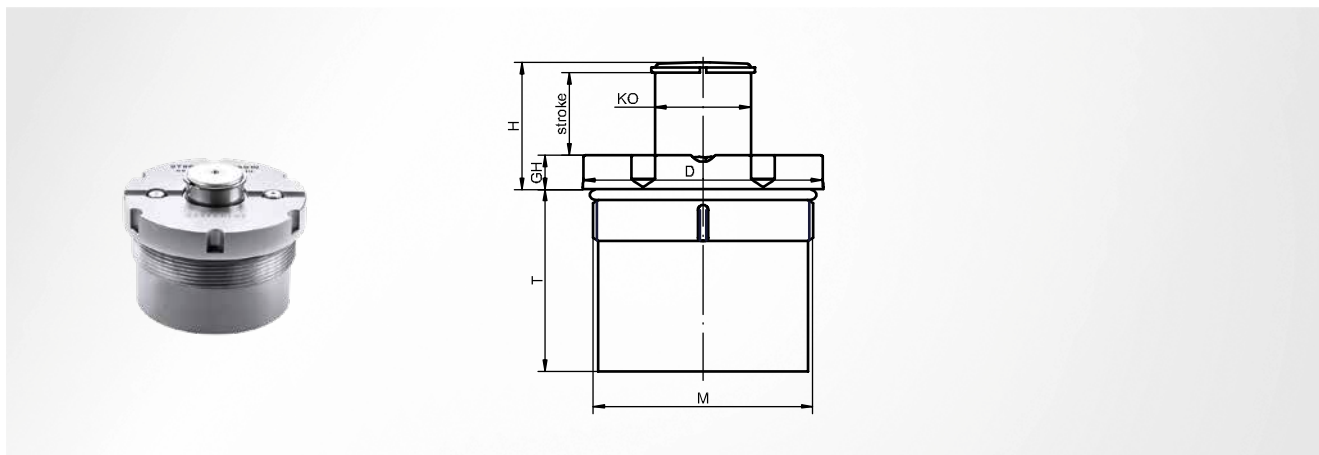
Initial force daN	Cylinder type	D	KO	M	GH	H	Stroke	T	Item number
500	005	42	12	M36 x 2	40.5	54.5	12.5	14.5	ST8841 -2-005 x 012
						67.0	25.0	18.3	ST8841 -2-005 x 025
						80.0	38.0	31.3	ST8841 -2-005 x 038
						92.0	50.0	43.3	ST8841 -2-005 x 050
						117.0	75.0	68.3	ST8841 -2-005 x 075
						142.0	100.0	93.3	ST8841 -2-005 x 100
1000	010	54	22	M48 x 2	40.5	67.0	25.0	21.8	ST8841 -2-010 x 025
						80.0	38.0	34.8	ST8841 -2-010 x 038
						92.0	50.0	46.8	ST8841 -2-010 x 050
						117.0	75.0	71.8	ST8841 -2-010 x 075
						142.0	100.0	96.8	ST8841 -2-010 x 100
						192.0	150.0	146.8	ST8841 -2-010 x 150
2500	025	70	28	M64 x 2	40.5	67.0	25.0	22.3	ST8841 -2-025 x 025
						80.0	38.0	35.3	ST8841 -2-025 x 038
						92.0	50.0	47.3	ST8841 -2-025 x 050
						117.0	75.0	72.3	ST8841 -2-025 x 075
						142.0	100.0	97.3	ST8841 -2-025 x 100
						192.0	150.0	147.3	ST8841 -2-025 x 150
3500	035	88	28	M80 x 2	49.5	76.5	25.0	26.5	ST8841 -2-035 x 025
						89.5	38.0	39.5	ST8841 -2-035 x 038
						101.5	50.0	51.5	ST8841 -2-035 x 050
						126.5	75.0	76.5	ST8841 -2-035 x 075
						151.5	100.0	101.5	ST8841 -2-035 x 100
						201.5	150.0	151.5	ST8841 -2-035 x 150
5500	055	108	40	M100 x 2	52.5	79.5	25.0	34.0	ST8841 -2-055 x 025
						92.5	38.0	47.0	ST8841 -2-055 x 038
						104.5	50.0	59.0	ST8841 -2-055 x 050
						129.5	75.0	84.0	ST8841 -2-055 x 075
						154.5	100.0	109.0	ST8841 -2-055 x 100
						204.5	150.0	159.0	ST8841 -2-055 x 150
10000	100	146	50	M130 x 2	62.5	89.5	25.0	31.0	ST8841 -2-100 x 025
						102.5	38.0	44.0	ST8841 -2-100 x 038
						114.5	50.0	56.0	ST8841 -2-100 x 050

ST8841-2 Manifold cylinder
normal



Initial force daN	Cylinder type	D	KO	M	GH	H	Stroke	T	Item number
10000	100	146	50	M130 x 2	62.5	139.5	75.0	81.0	ST8841 -2-100 x 075
						164.5	100.0	106.0	ST8841 -2-100 x 100
						214.5	150.0	156.0	ST8841 -2-100 x 150

low



Delivery

will be supplied unfilled

Note

Initial force at 110 bar filling pressure

Installation instruction

Casing installation depth changes with the stroke; is used mainly for small strokes and wherever the smallest assembly heights are required.

Initial force daN	Cylinder type	D	KO	M	GH	H	Stroke	T	Item number
500	005	42	12	M36 x 2	10	17.7	6	29.8	ST8841 -3-005 x 006
						21.7	10	33.8	ST8841 -3-005 x 010
						26.7	15	38.8	ST8841 -3-005 x 015
						31.7	20	43.8	ST8841 -3-005 x 020
						36.7	25	48.8	ST8841 -3-005 x 025
1000	010	54	22	M48 x 2	10	17.0	6	33.3	ST8841 -3-010 x 006
						21.0	10	37.3	ST8841 -3-010 x 010
						26.0	15	42.3	ST8841 -3-010 x 015
						31.0	20	47.3	ST8841 -3-010 x 020
						36.0	25	52.3	ST8841 -3-010 x 025
2500	025	70	28	M64 x 2	10	18.0	6	34.0	ST8841 -3-025 x 006
						22.0	10	38.0	ST8841 -3-025 x 010
						27.0	15	43.0	ST8841 -3-025 x 015
						32.0	20	48.0	ST8841 -3-025 x 020
						37.0	25	53.0	ST8841 -3-025 x 025
3500	035	88	28	M80 x 2	14	22.0	6	38.0	ST8841 -3-035 x 006
						26.0	10	42.0	ST8841 -3-035 x 010
						31.0	15	47.0	ST8841 -3-035 x 015
						36.0	20	52.0	ST8841 -3-035 x 020
						41.0	25	57.0	ST8841 -3-035 x 025
5500	055	108	40	M100 x 2	14	23.0	6	44.5	ST8841 -3-055 x 006
						27.0	10	48.5	ST8841 -3-055 x 010
						32.0	15	53.5	ST8841 -3-055 x 015
						37.0	20	58.5	ST8841 -3-055 x 020
						42.0	25	63.5	ST8841 -3-055 x 025
10000	100	146	50	M130 x 2	20	28.0	6	54.5	ST8841 -3-100 x 006
						32.0	10	58.5	ST8841 -3-100 x 010
						37.0	15	63.5	ST8841 -3-100 x 015
						42.0	20	68.5	ST8841 -3-100 x 020
						47.0	25	73.5	ST8841 -3-100 x 025



Note

A nitrogen bottle and a cylinder pressure regulator (only for SZ8085.8) are required on the customer side;
*= complete set discharging screws / charging adapters

Filling Unit	Pressure reducer	Discharging screw	Charging adapter	Charging tubing	Valve key	Transition adapter	Item number
SZ80855-1		SZ7046*	SZ7045*	SZ8085.4			SZ8085 8
SZ80855-1	SZ8085.6	SZ7046*	SZ7045*	SZ8085.4	K100-000-0300	SZ7045.9	SZ8085 9

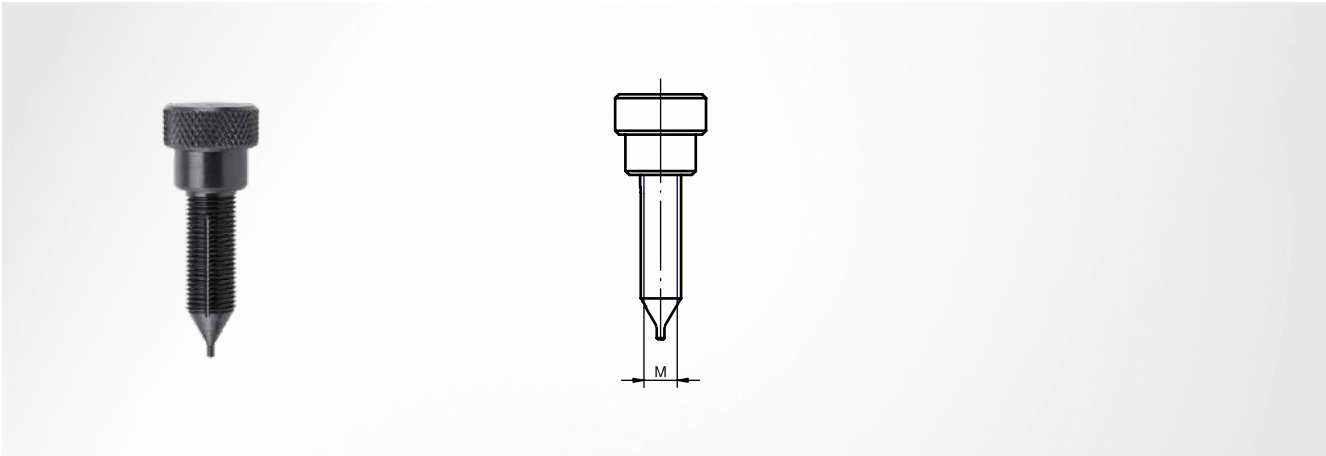
SZ80855-1 Filling Unit



Item number

SZ80855-1

without charging adapter suitable for	without charging adapter suitable for
SZ7080.2.019-038	SZ8065.2.019-038
SZ8080.2.019-038	SZ8066.2.019-038
SZ7066.2.019-038	SZ8063.1.019-025
SZ8060.2.025-038	SZ8063.1.038



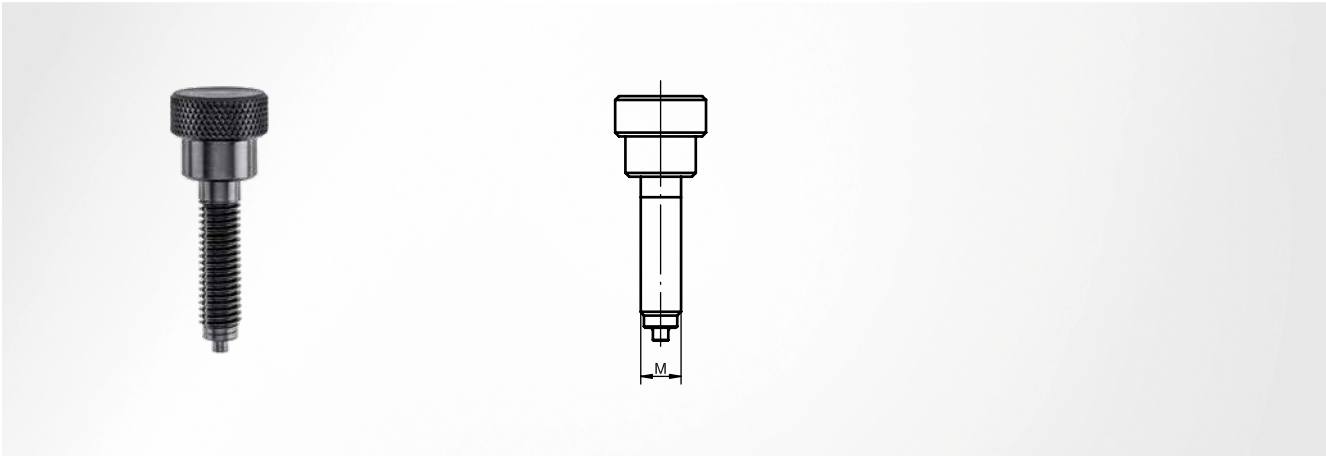
Note
for the venting of the nitrogen cylinder prior to disassembly

M	Item number
M6	SZ7046 3
M8	SZ7046 4
M10	SZ7046 5

M	Item number
M12	SZ7046 6
G1/8	SZ7046 7

SZ7046 Discharging screw

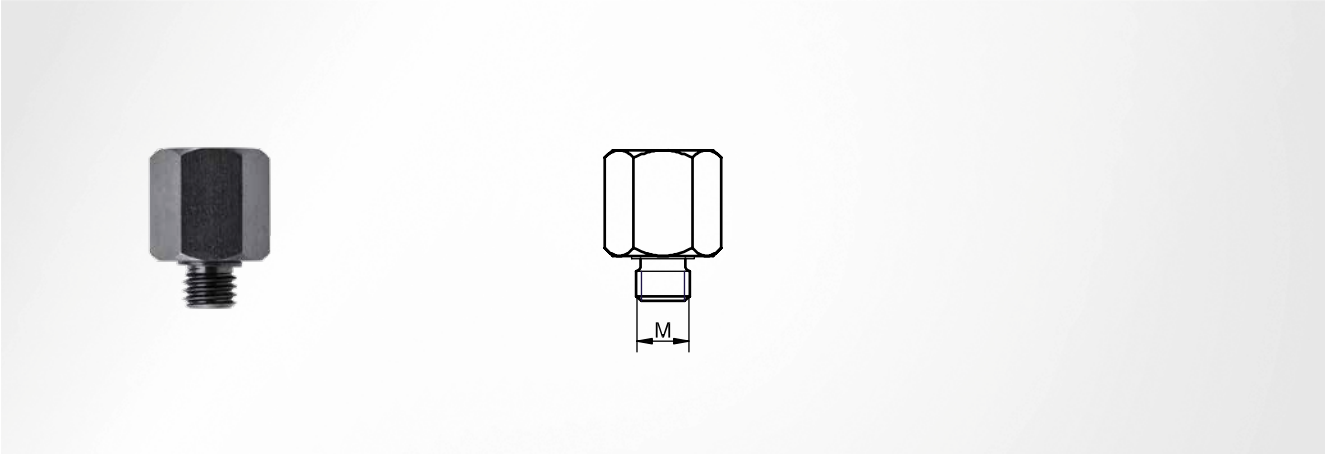
for VG5 valve



Note
for the venting of the nitrogen cylinder prior to disassembly

M	Item number
M8	SZ7046 14
M10	SZ7046 15

M	Item number
M12	SZ7046 16
G1/8	SZ7046 17



M	Use of nitrogen cylinder	Item number
M6	SZ8063.1.032	SZ7045 21
M8	all .2 GDF 019-038	SZ7045 22
M10	SZ8063.1.050 all .2 GDF 050-063	SZ7045 23

M	Use of nitrogen cylinder	Item number
M12	SZ8063.1.063-095 all .2 GDF 075-120	SZ7045 24
G1/8	all .2 GDF V, VB	SZ7045 25

**Note**

Connection for pressure reducer
SZ8085.6 suitable for filling unit
and control panels

Item number

SZ8085.4

SZ8085.6 Pressure reducer

**Note**

Connecting piece for 300 bar nitro-
gen bottles (assembled) and for 200
bar (included as loose piece)

Item number

SZ8085.6



Item number
K100-000-0300

SZ7045.9 Transition adapter



Note
Transition adapter for previous
connecting nipples (SZ7042.01)

Item number
SZ7045.9

SZ7045.10 Transition adapter



Note
for the transition from the previous
control set tube on the STEINEL
standard parts system

Item number
SZ7045.10

SZ8079 Force measuring device

for nitrogen cylinders



Note

Load cell not included in the scope of delivery

Scope of supply

Basic frame; Hydraulic pump; different adapters

Optional accessories

SZ8078

Item number

SZ8079

SZ8078 Load cell



Note

Load cell SZ8078.16000 do not use for force measuring device

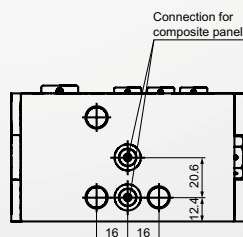
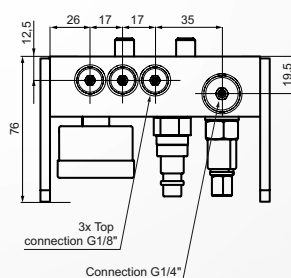
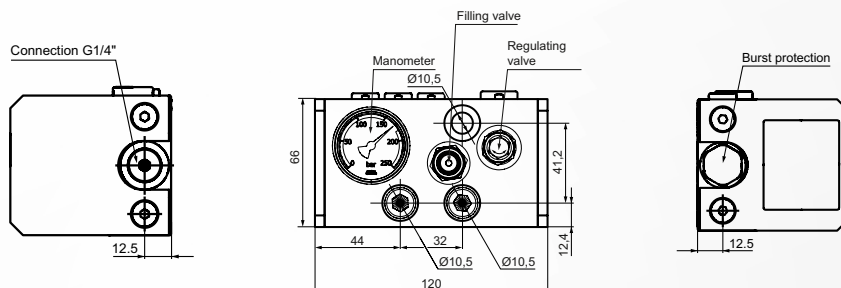
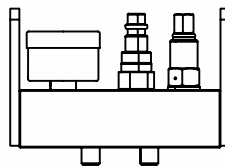
Measuring range daN	Item number
25-250	SZ8078 00250
100-1000	SZ8078 01000

Measuring range daN	Item number
630-6300	SZ8078 06300
1600-16000	SZ8078 16000

ST8845-01-01 Control panel

STEINEL®

for manifold plates, with burst protection, standard



Burst protection

integrated

Burst pressure

180 bar

Mounting screw

2x M10 x 30

Connection

3x G1/8"; 2x G1/4"; 2x prepared connections for manifold plates (closed); connection for pressure controller ST8845-DW250W2

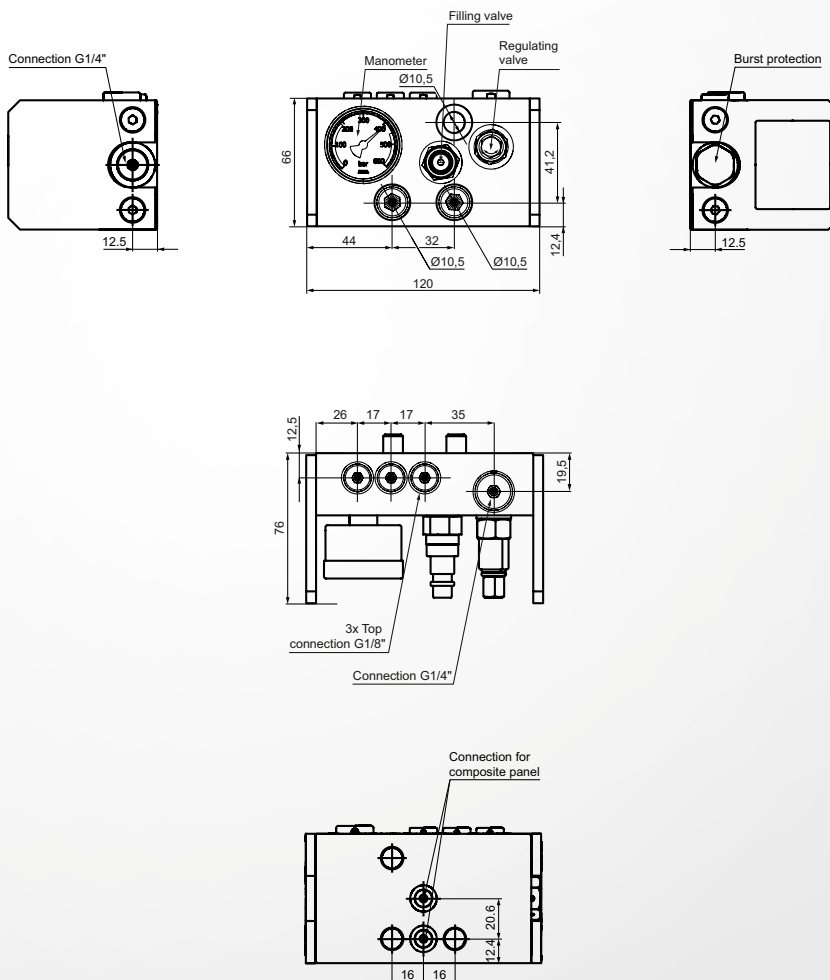
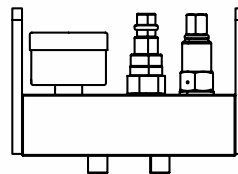
Item number

ST8845-01-01

ST8845-02-01 Control panel

STEINEL®

for composite plate, with burst protection, standard



Burst protection

integrated

Burst pressure

450 bar

Mounting screw

2x M10 x 30

Connection

3x G1/8"; 2x G1/4"; 2x prepared connections for composite plates (closed); connection for pressure controller ST8845-DW600W2

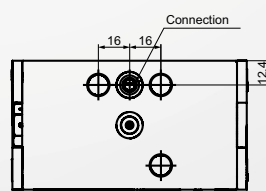
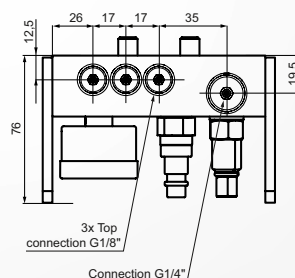
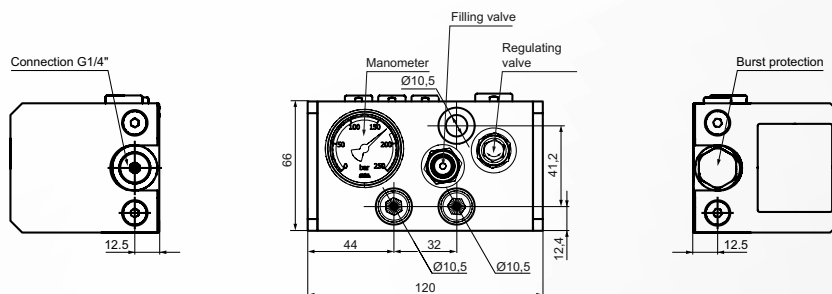
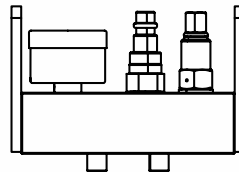
Item number

ST8845-02-01

ST8845-32-01 Control panel

STEINEL®

32 mm, for manifold plates, with burst protection, standard



Burst protection

integrated

Burst pressure

180 bar

Installation instruction

for attachment/fitting to manifold plates = 32 mm

Mounting screw

2x M10 x 30

Connection

3x G1/8"; 2x G1/4"; 2 x prepared connections for manifold plates (1x open at the bottom); connection for pressure controller ST8845-DW250W2

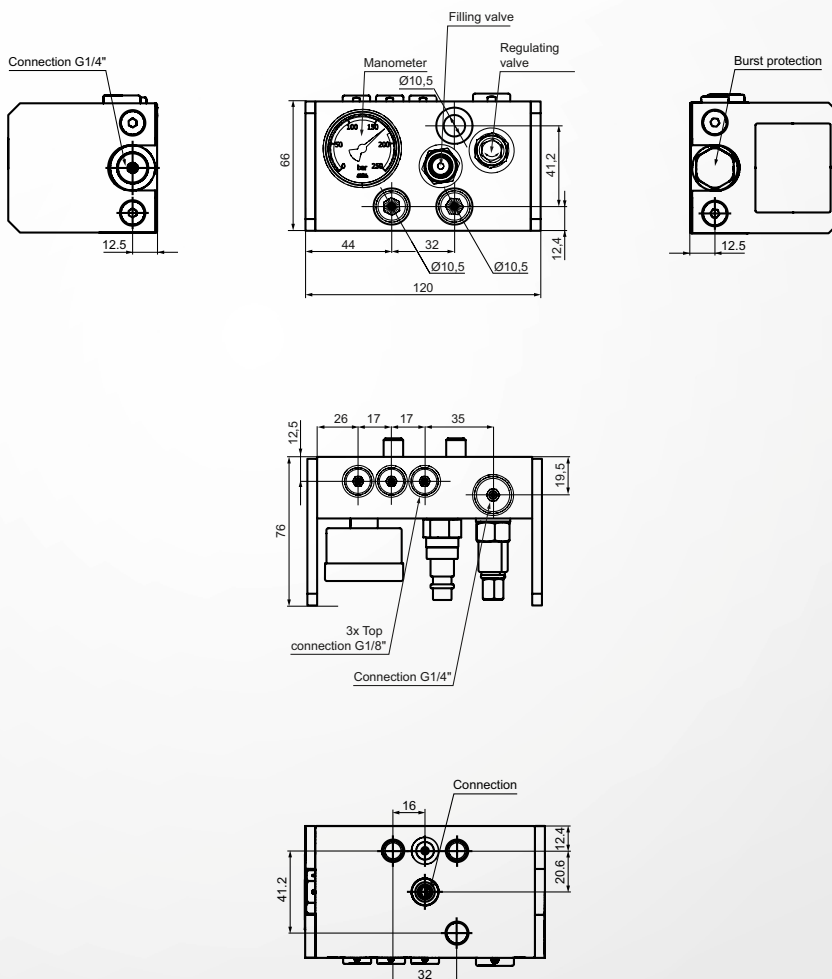
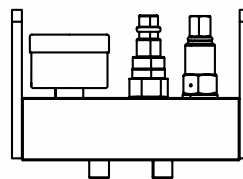
Item number

ST8845-32-01

ST8845-80-01 Control panel

STEINEL®

80 mm, for manifold plates, with burst protection, standard



Burst protection

integrated

Burst pressure

180 bar

Installation instruction

for attachment/fitting to manifold plates = 80 mm

Mounting screw

2x M10 x 30

Connection

3x G1/8"; 2x G1/4"; 2 x prepared connections for manifold plates (1x open at the top); connection for pressure controller ST8845-DW250W2

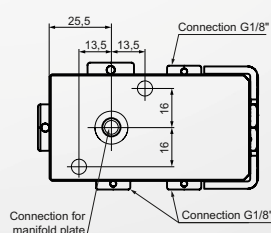
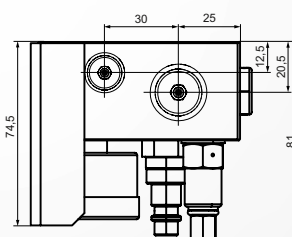
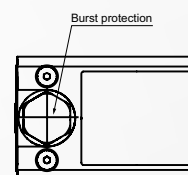
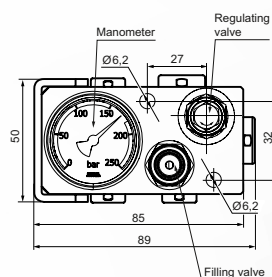
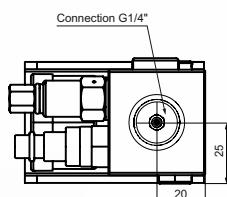
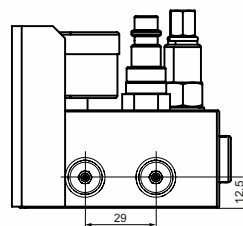
Item number

ST8845-80-01

ST8845-8 Control panel

STEINEL®

for manifold plates, mini, with burst protection



Burst protection

integrated

Burst pressure

180 bar

Installation instruction

for attachment/fitting to manifold plates = 80 mm

Mounting screw

2x M6 x 50

Connection

3x G1/8"; 2x G1/4"; 1x prepared connection for manifold plates; connection for pressure controller ST8845-DW250W2

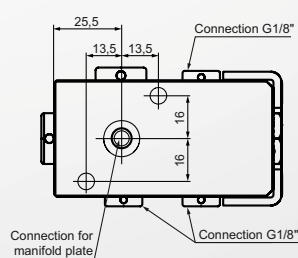
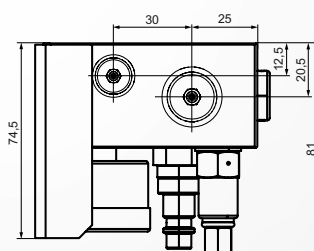
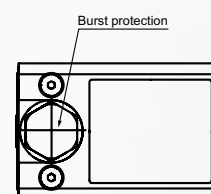
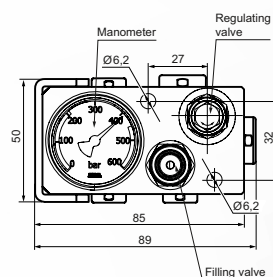
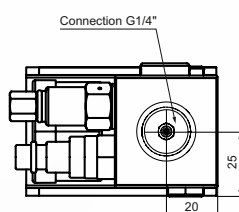
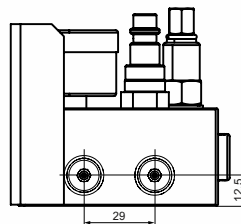
Item number

ST8845-8

ST8845-9 Control panel

STEINEL®

for composite plate, mini, with burst protection



Burst protection

integrated

Burst pressure

450 bar

Mounting screw

2x M6 x 50

Connection

3x G1/8"; 2x G1/4"; 1x prepared connection for composite plates (closed); connection for pressure controller ST8845-DW600W2

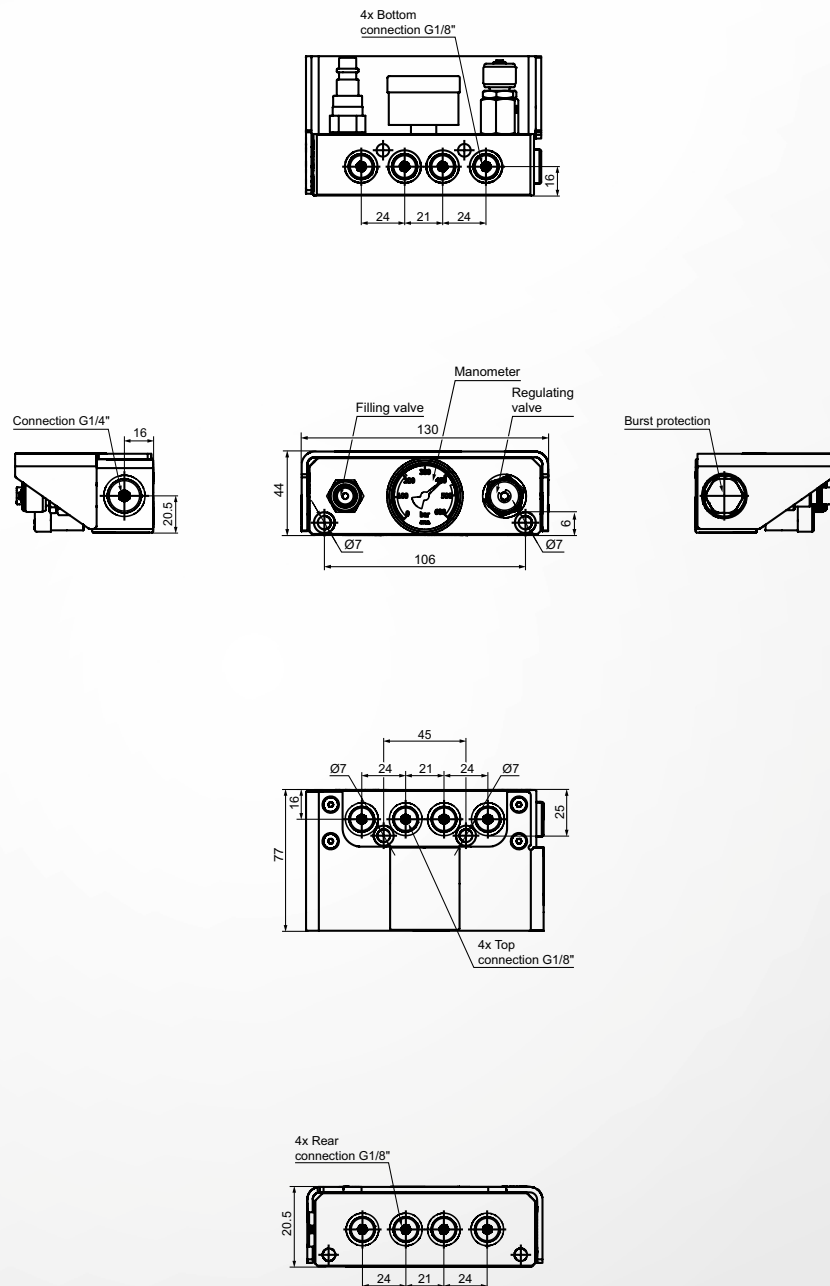
Item number

ST8845-9

ST8845-444 Control panel

maxi, with burst protection

STEINEL®



Burst protection

integrated

Burst pressure

450 bar

Mounting screw

2x M6 x 45

Connection

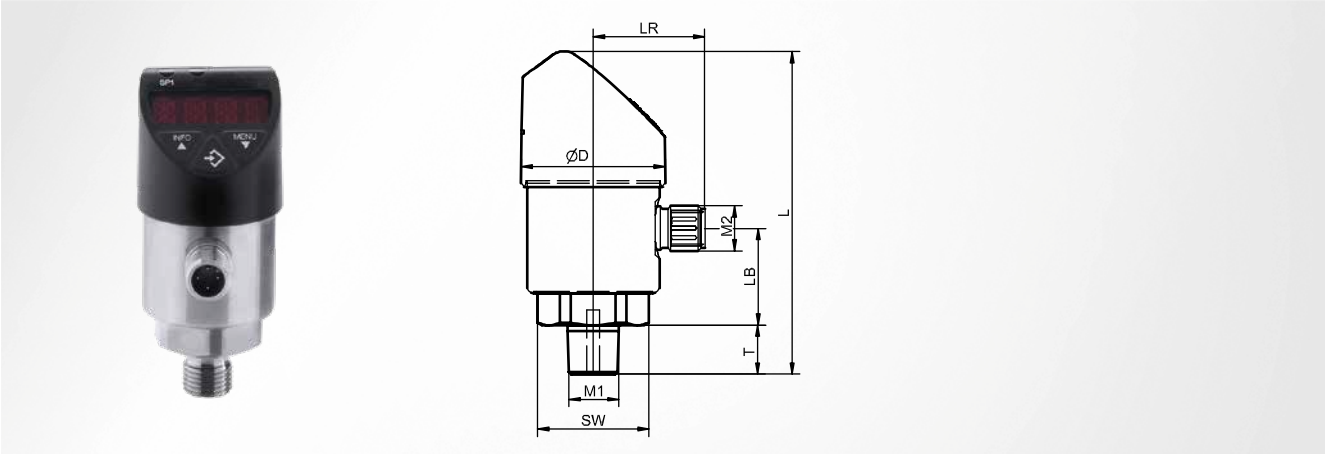
12x G1/8"; 1x G1/4"

Item number

ST8845-444

ST8845-DW Pressure controller

pressure controller



Note

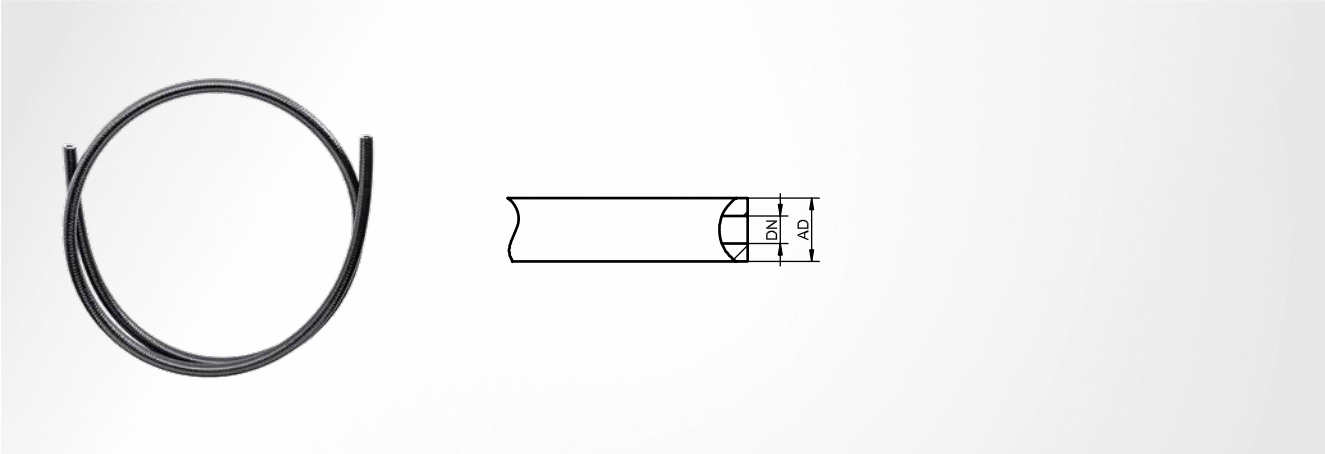
with a switch outlet 0...10 V; switching to p or n potential;
 IO-Link: without; power supply: DC 15...35 V;
 permissible temperature for medium: -20 ... +85 °C;
 electrical connection: circular connector M12 x 1 (4-pin);
 electrical output assignment: U+=1, U-=3, S+=2, SP1=4;
 accuracy: $\pm 0.5\%$ of span

D	adjustment range	T	LB	LR	SW	M ₁	M ₂	L	Item number
~ 38	0...250	14	26.0	29.5	27	G1/4	M12 x 1	86	ST8845 - DW250W2
~ 38	0...600	14	26.0	29.5	27	G1/4	M12 x 1	86	ST8845 - DW600W2

SZ701008 Tube



for self assembly



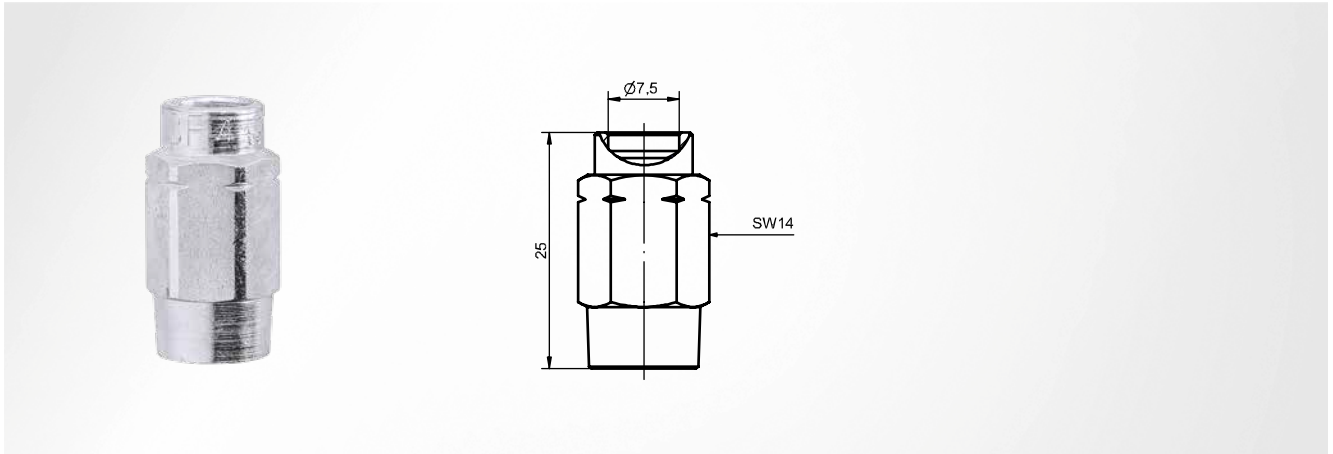
Note

The fitting, consisting of the F-Dorn and screw sleeve, is required for assembly; tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Outer diameter	Working pressure	Operating temperature °	Tube length m	Tube size	min. curve radius	Item number
9.2	max. 380 bar at 80°C	-40 to +80	2.5	DN4	40	SZ7010 08

SZ701108 Screw sleeve

DN4



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Suitable tube

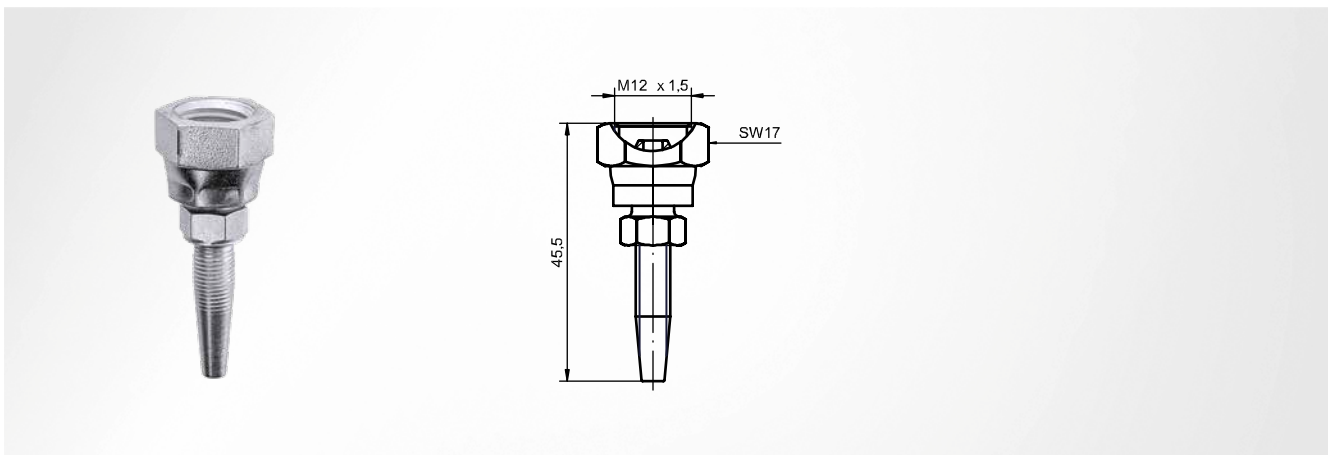
SZ701008

Item number

SZ701108

SZ701208 F-Dorn

DN4



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Suitable tube

SZ701008

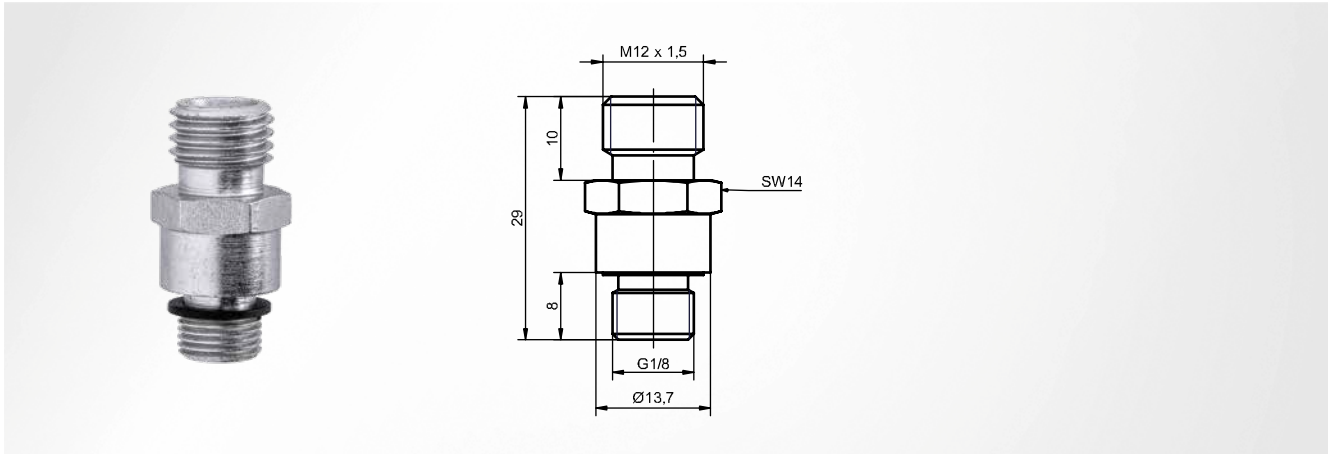
Item number

SZ701208

SZ702006 Screw connection

STEINEL®

straight, long



Note

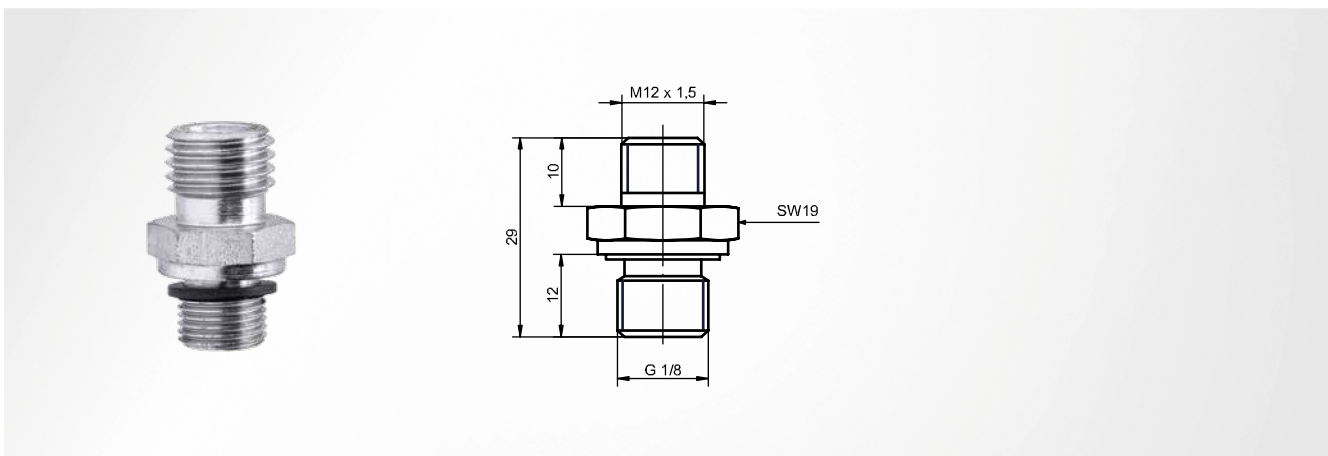
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ702006

SZ701306 Screw connection

short



Note

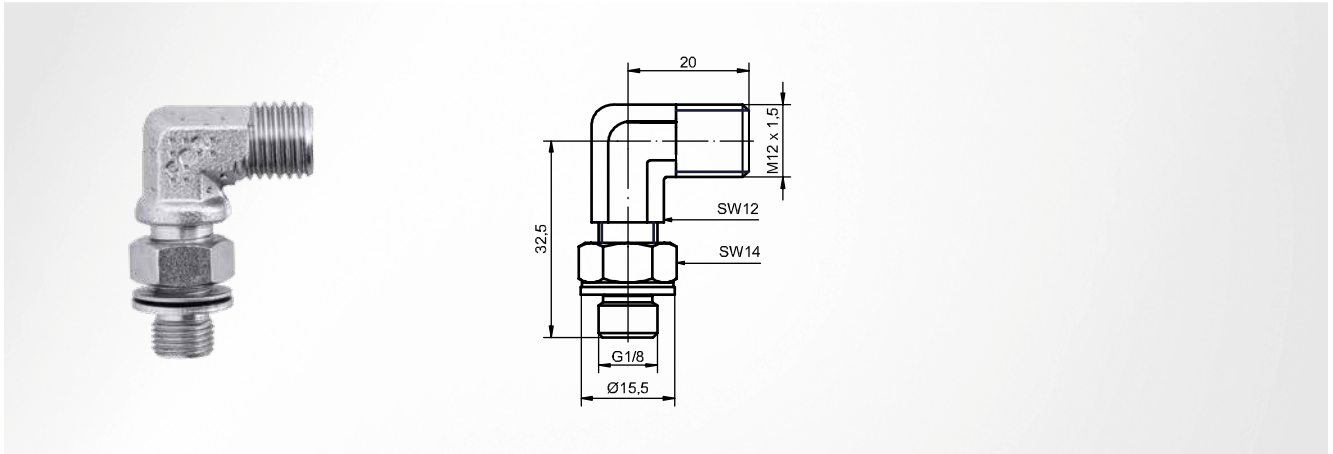
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ701306

SZ701406 Ellbow screw connection

90°, adjustable



Note

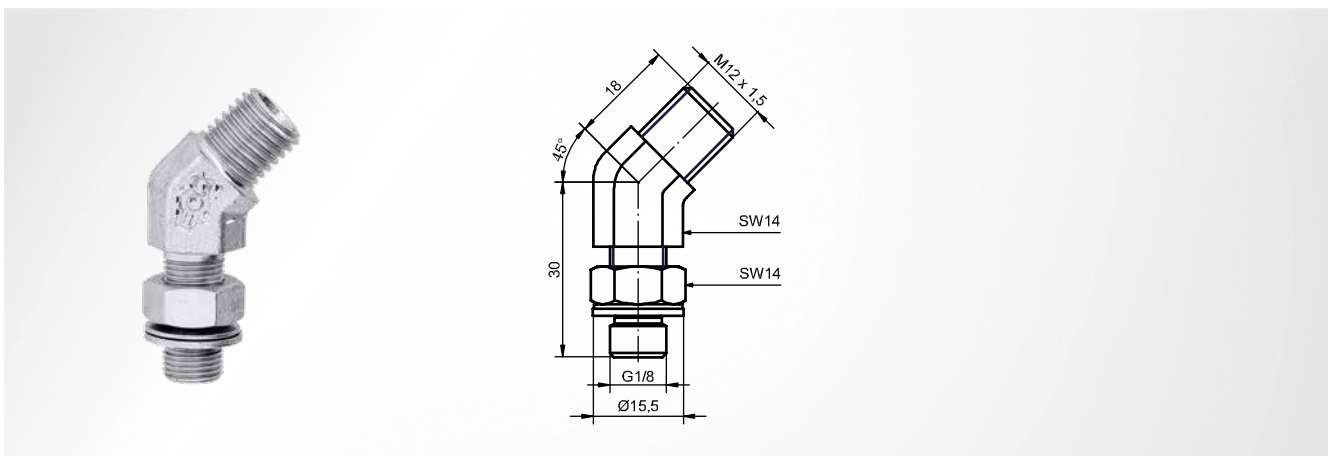
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ701406

SZ701606 Ellbow screw connection

45°, adjustable



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

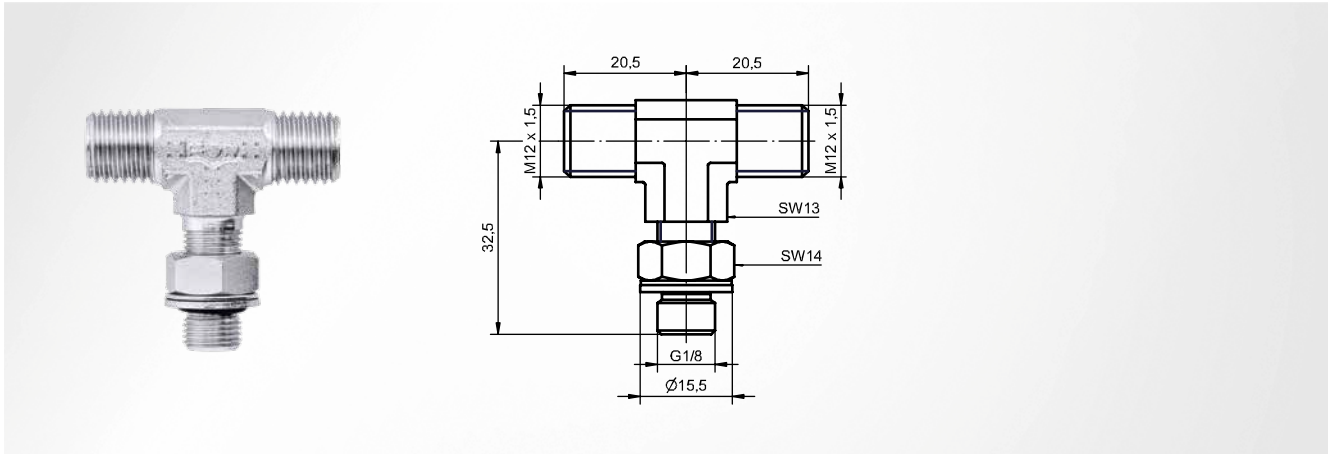
Item number

SZ701606

SZ701506 T-screw connection

STEINEL®

adjustable



Note

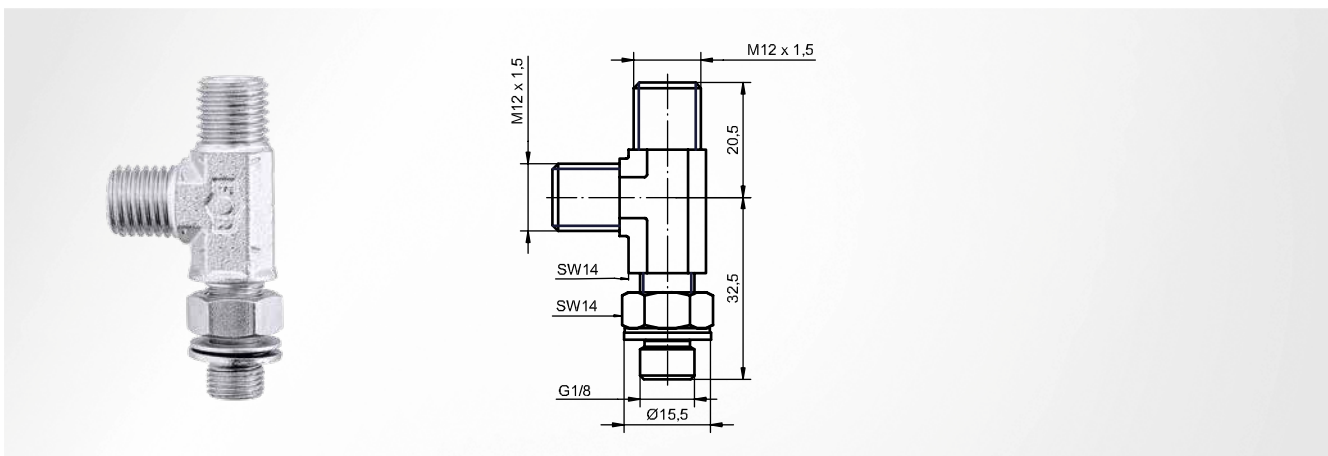
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ701506

SZ701706 L-screw connection

adjustable, with lock nut



Note

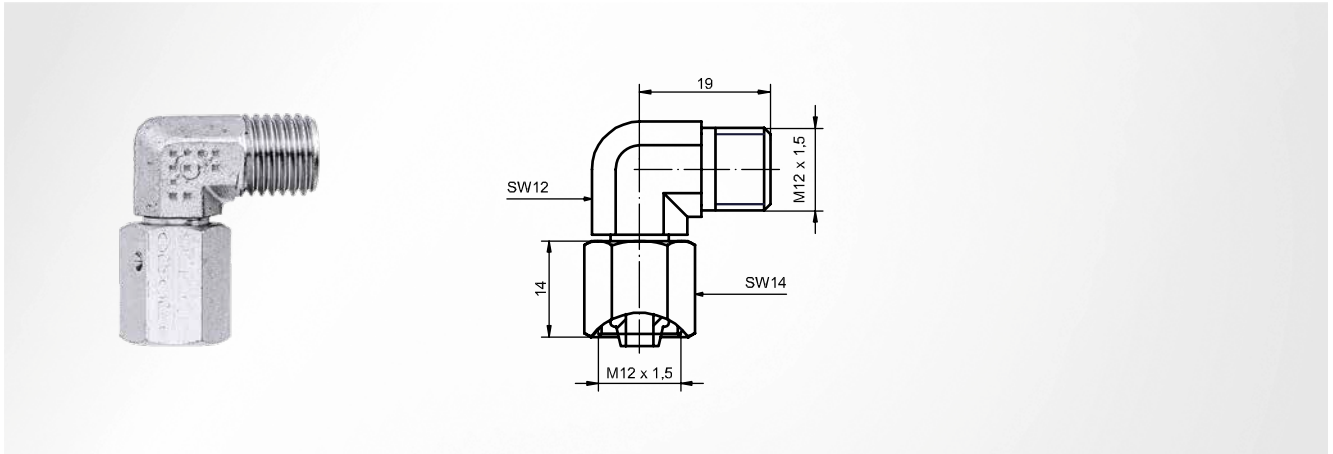
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ701706

SZ703406 Elbow screw connection

90°



Note

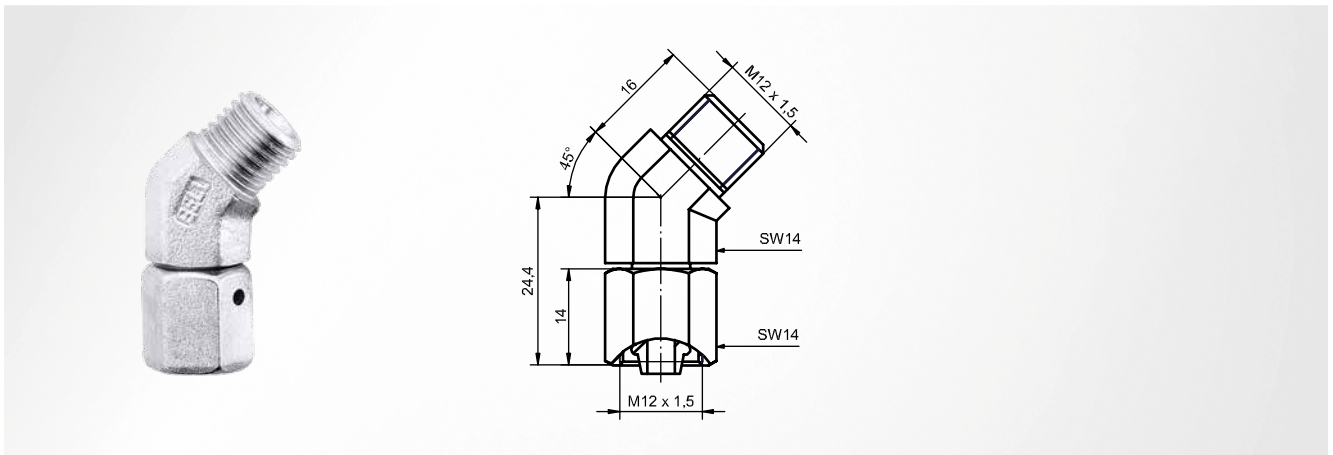
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ703406

SZ703606 Elbow screw connection

45°



Note

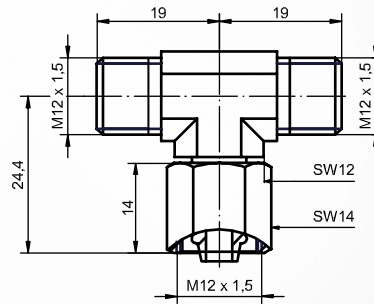
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ703606

SZ703506 T-screw connection

STEINEL®



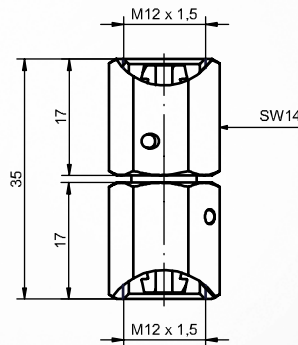
Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ703506

SZ703306 Intermediate adapter straight



Note

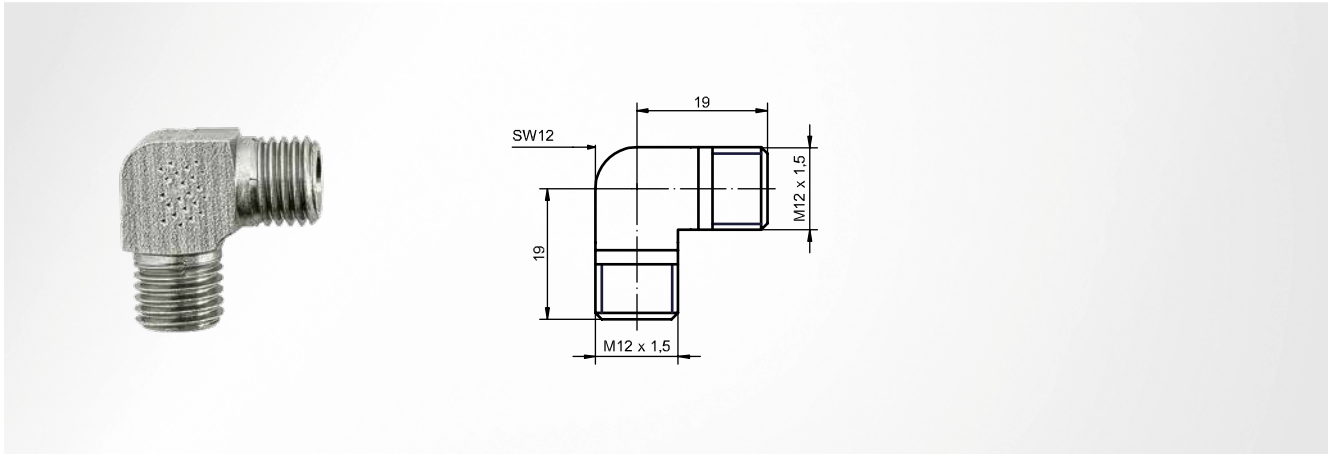
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ703306

SZ702106 Ellbow screw connection

90°



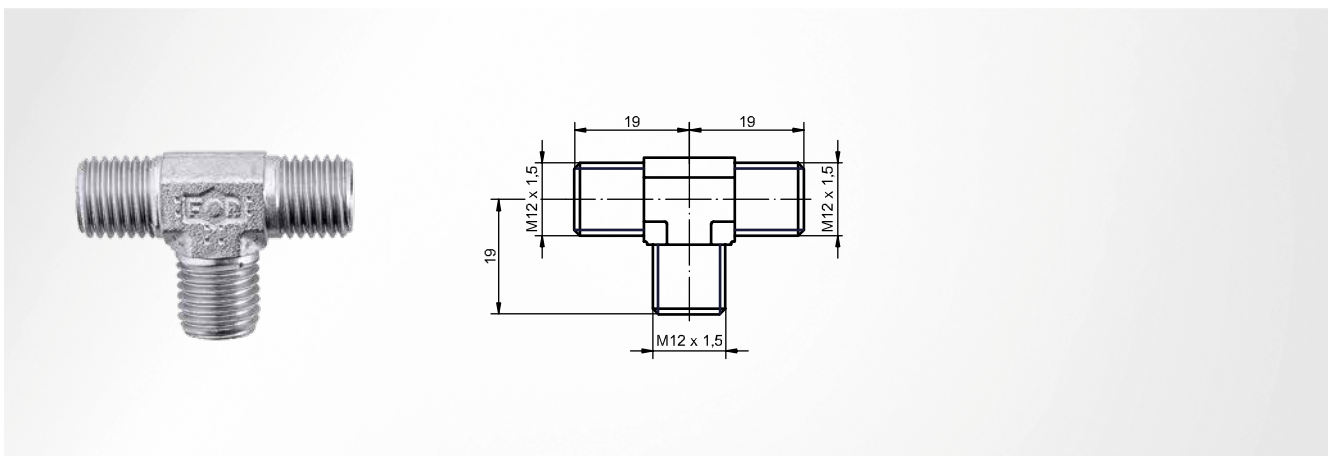
Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ702106

SZ702206 T-screw connection



Note

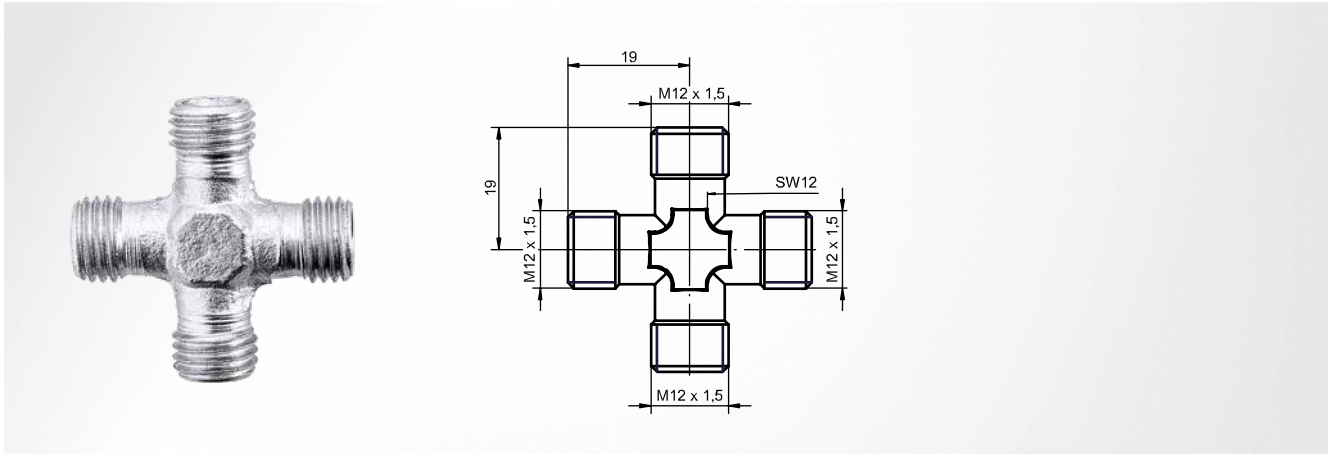
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ702206

SZ702306 Four way screw connection

STEINEL®



Note

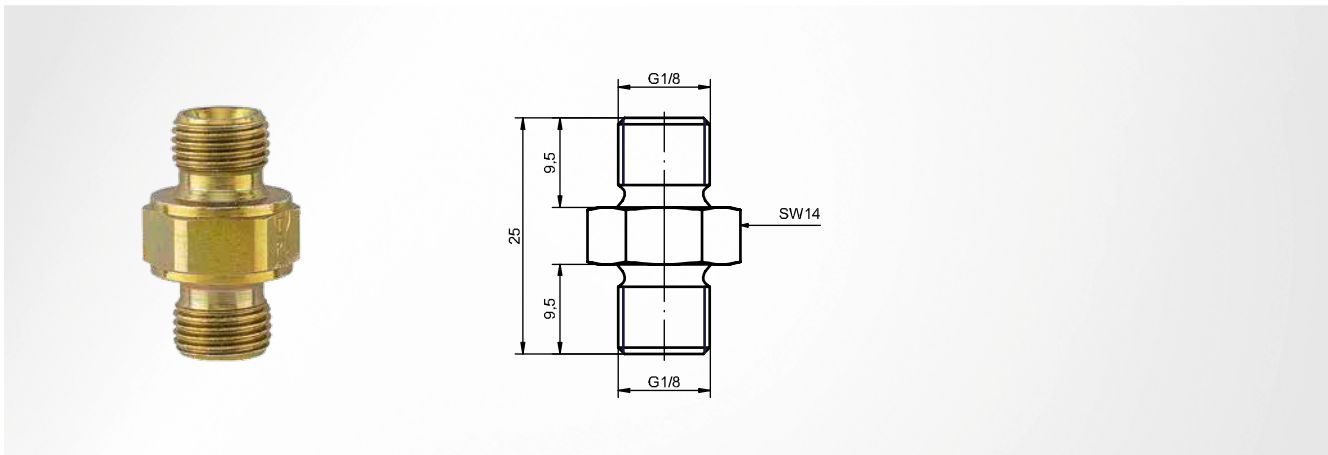
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ702306

SZ701906 Adapter

1/8"



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

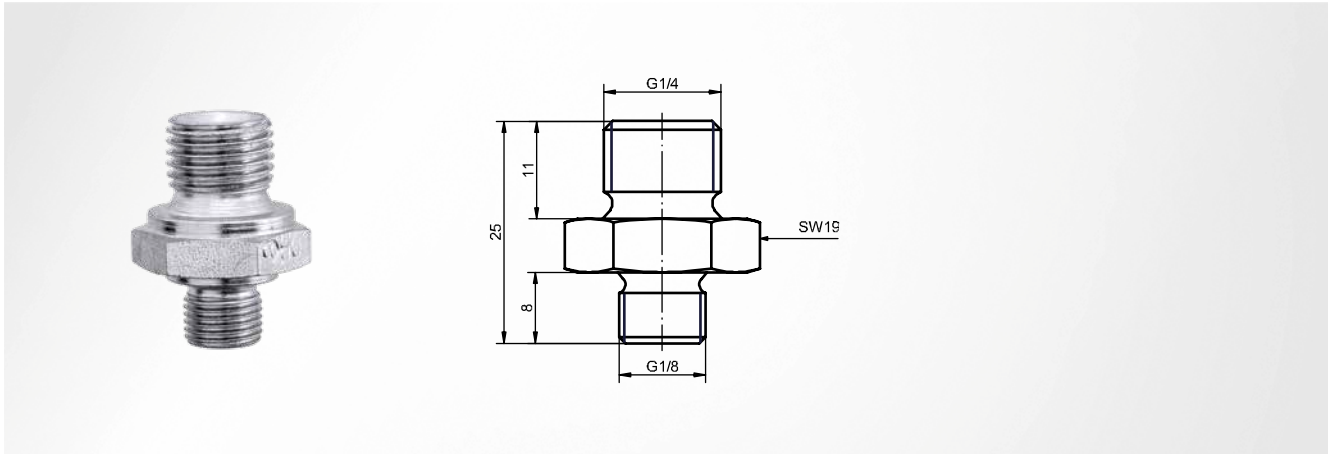
Item number

SZ701906

SZ704530 Screw connection

STEINEL®

straight, G1/4-G1/8



Note

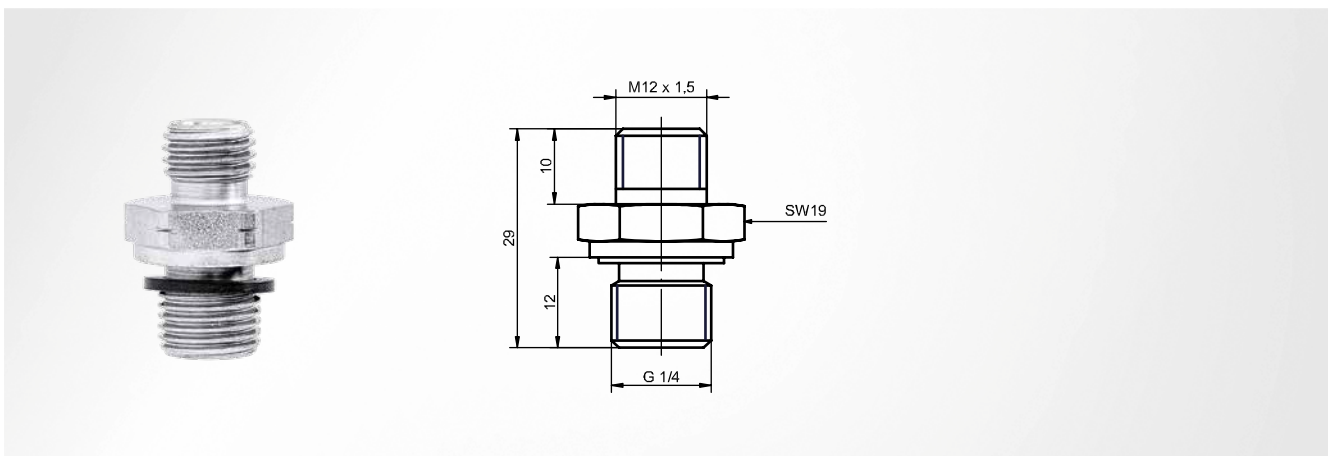
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704530

SZ704405 Screw connection

straight, G1/4



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704405

Tapping
units

Module
system

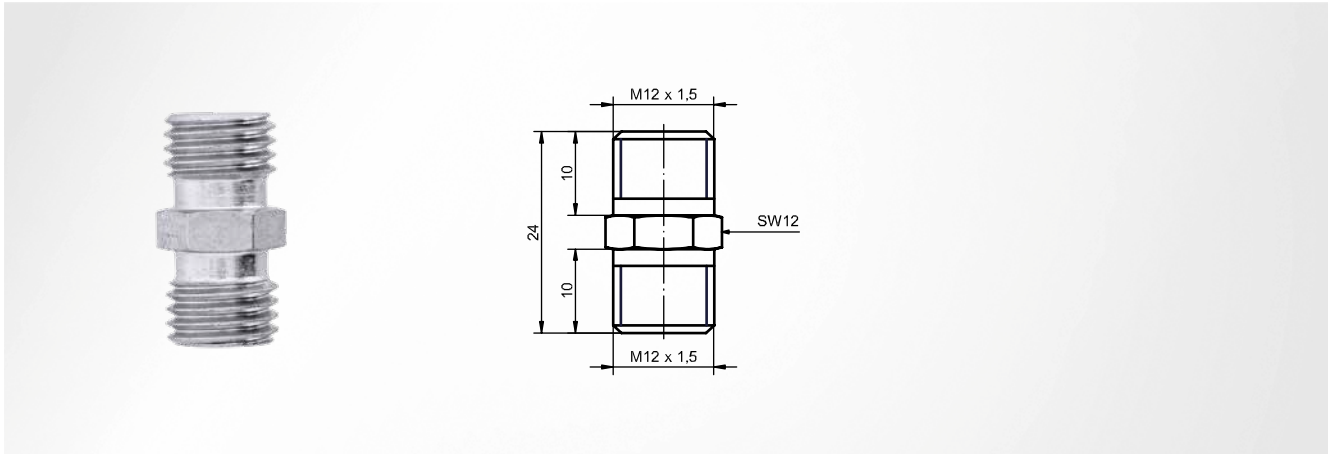
Machine
elements

Accessories

SZ702406 Screw connection

STEINEL®

straight, M12 x 1.5



Note

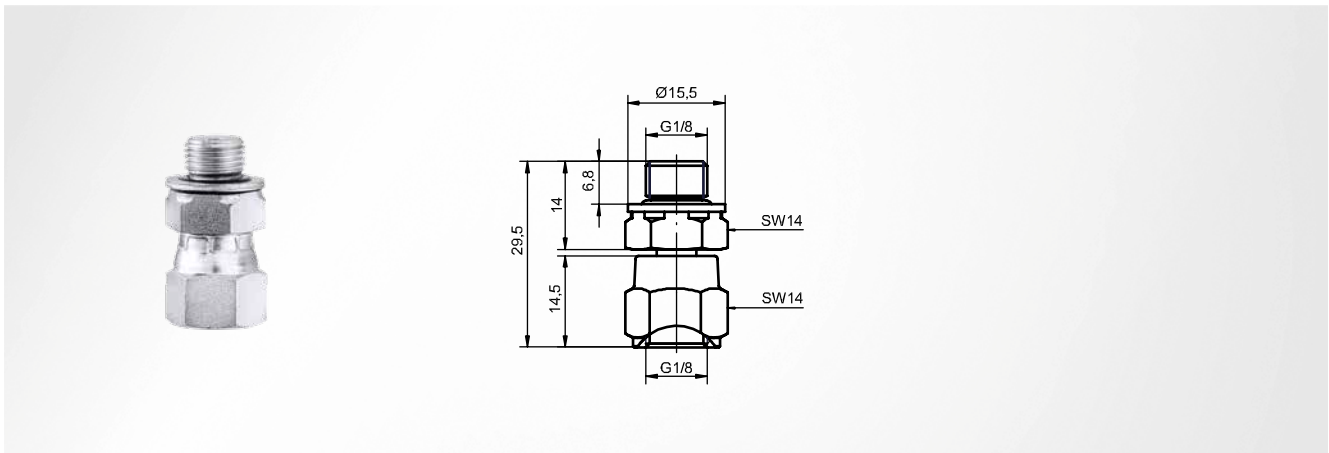
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ702406

SZ704531 Screw connection

straight, G1/8-G1/8



Note

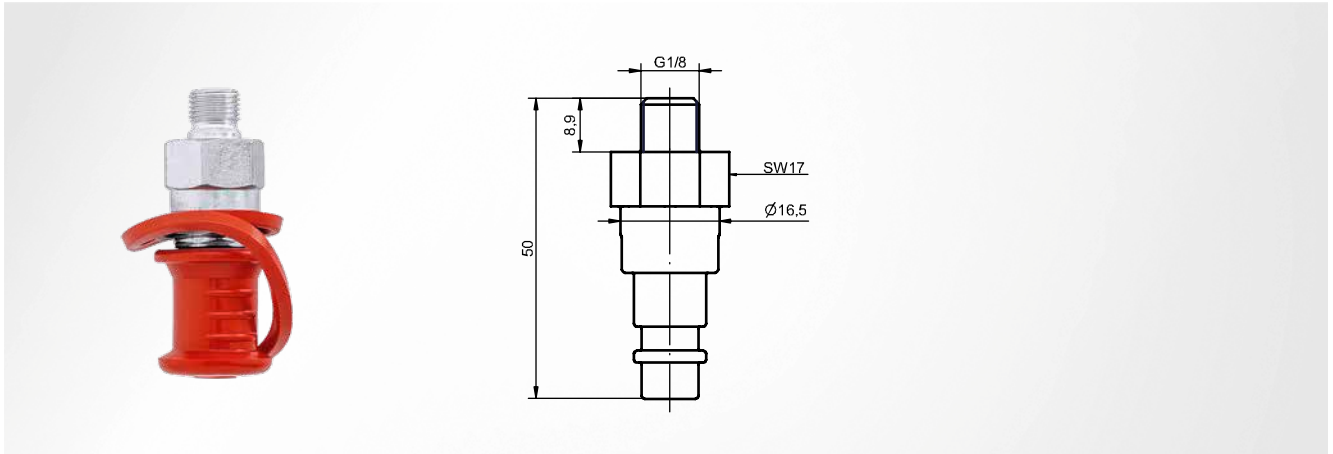
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704531

SZ704302 Quick coupling connector

G1/8



Note

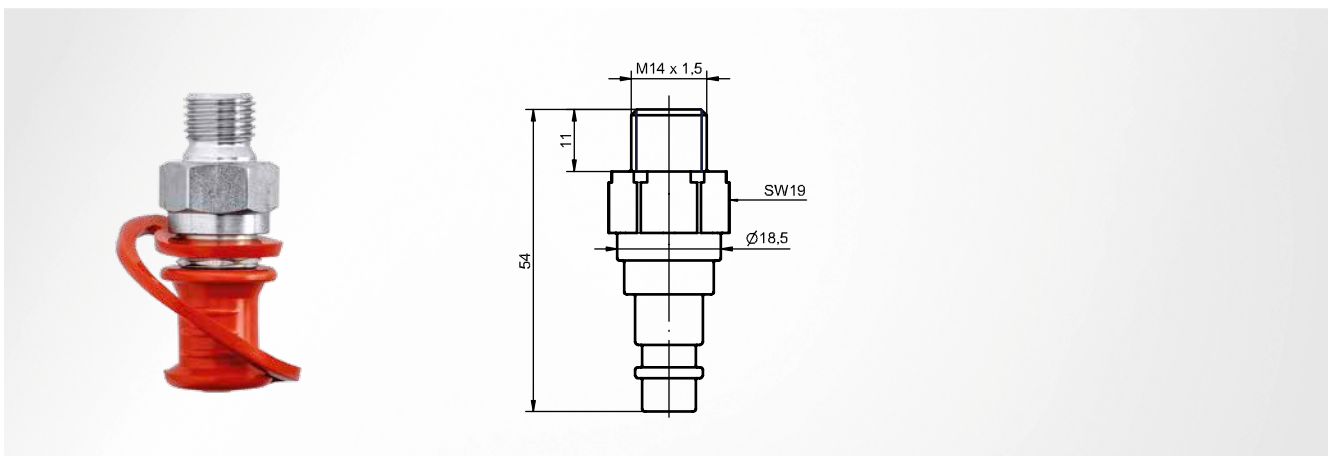
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704302

SZ704406 Quick coupling connector

M14 x 1.5



Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

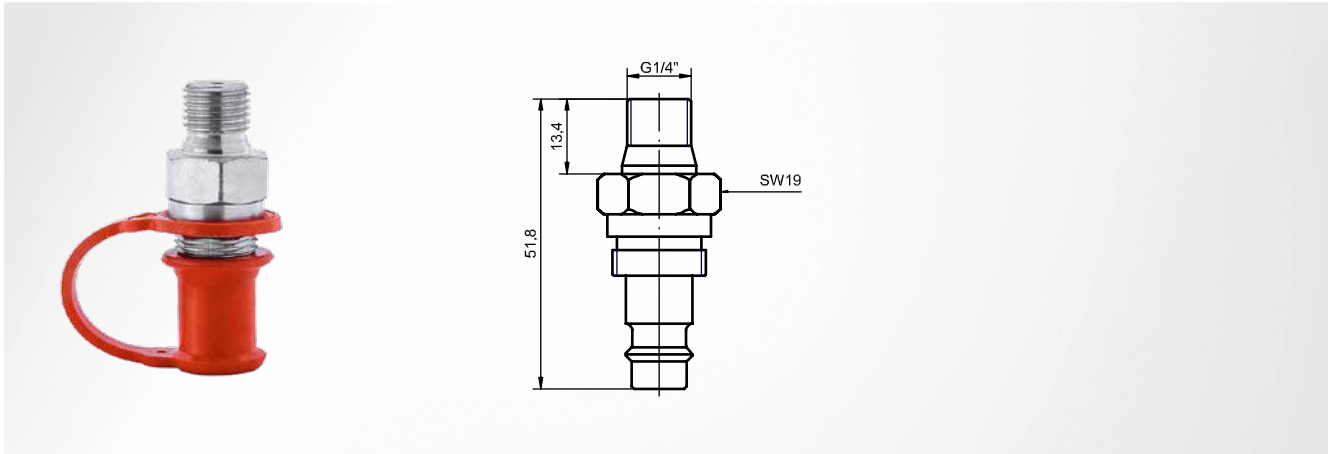
Item number

SZ704406

SZ704204 Quick coupling connector

STEINEL®

G1/4



Note

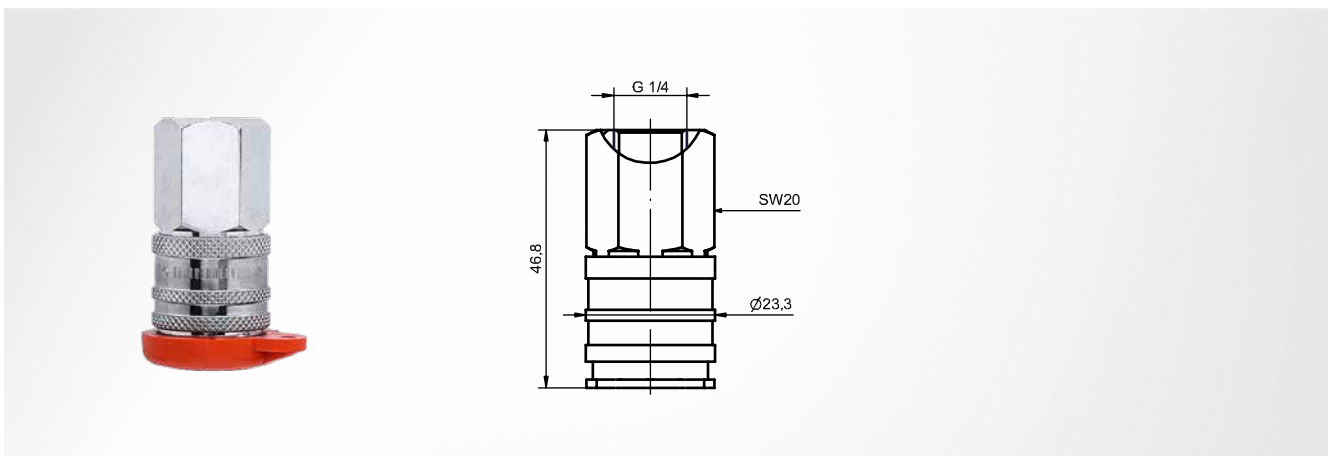
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704204

SZ704303 Quick coupling sleeve

G1/4



Note

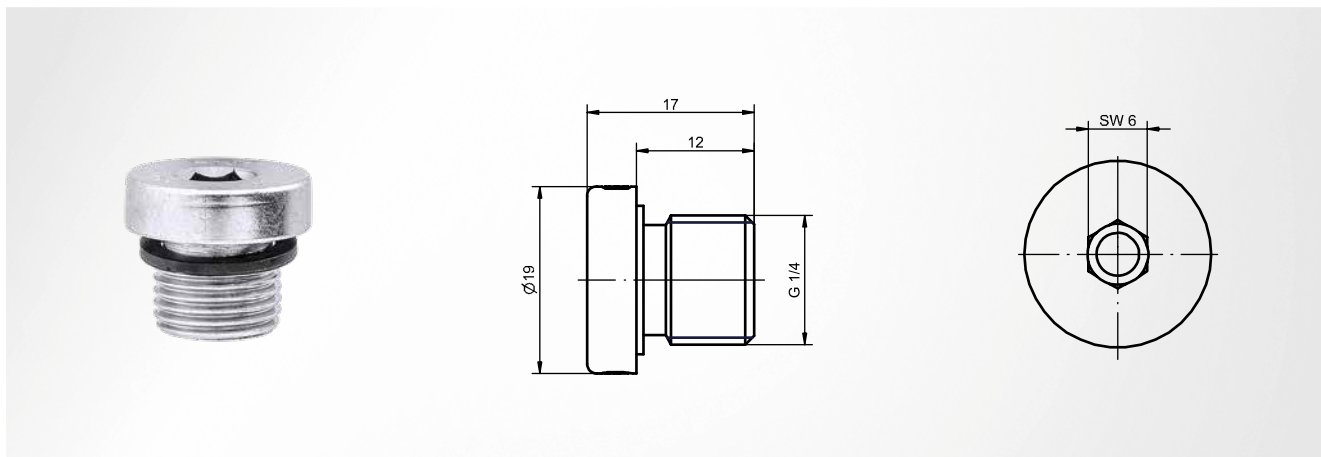
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704303

SZ704404 Sealing plug

G1/4



Note

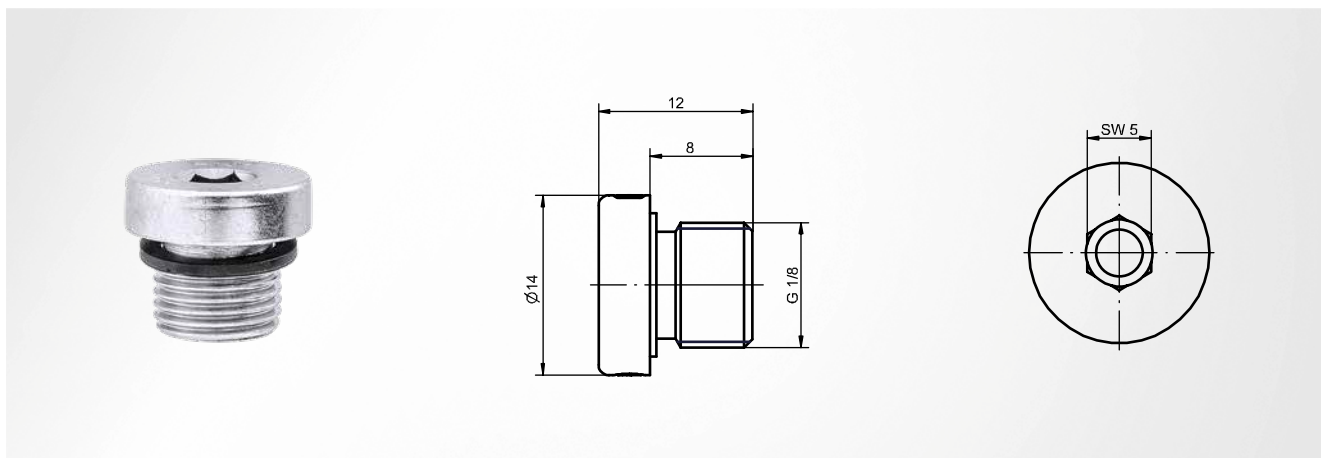
Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

Item number

SZ704404

SZ704301 Sealing plug

G1/8

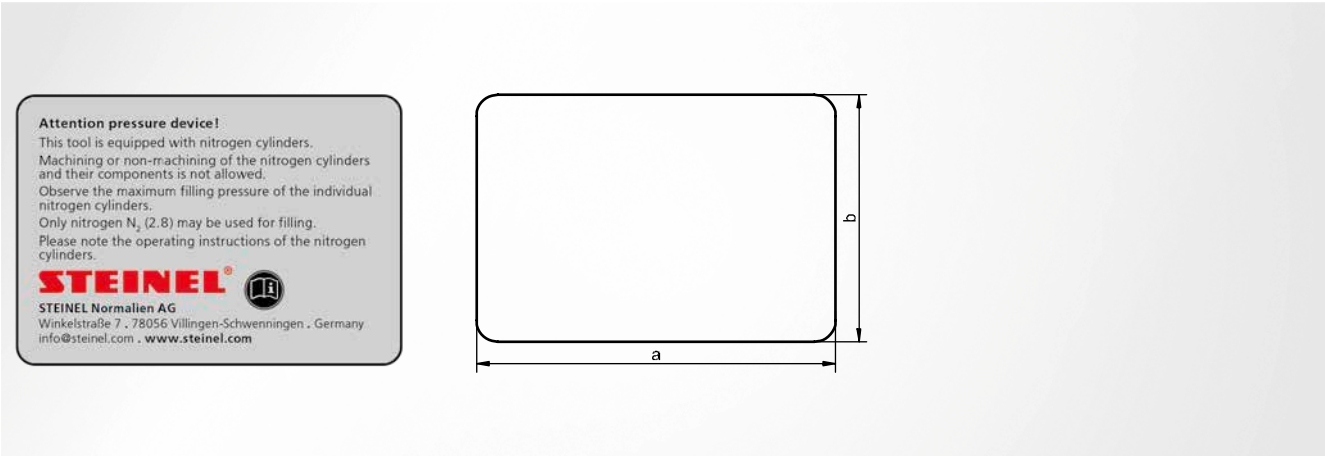


Note

Tubing items may only be used for STEINEL nitrogen systems; assembly may only be carried out by trained personnel

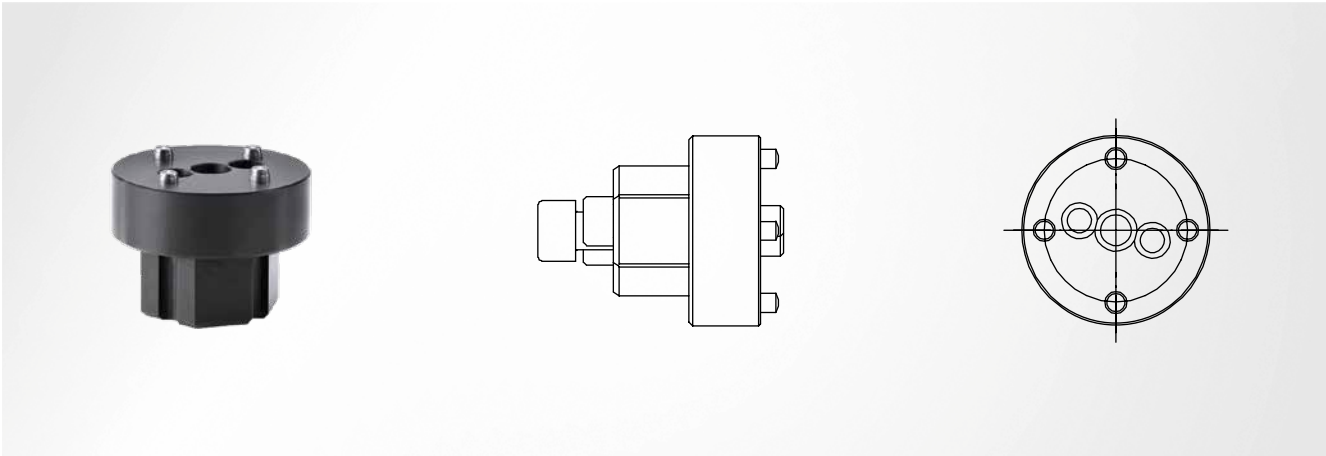
Item number

SZ704301



a	b	Language	Item number
50	35	german	SZ8099 -002
		englisch	SZ8099 -102
		french	SZ8099 -202
105	75	german	SZ8099 -001
		englisch	SZ8099 -101
		french	SZ8099 -201
150	110	german	SZ8099 -003
		englisch	SZ8099 -103
		french	SZ8099 -203

base



Compatibel series

all series

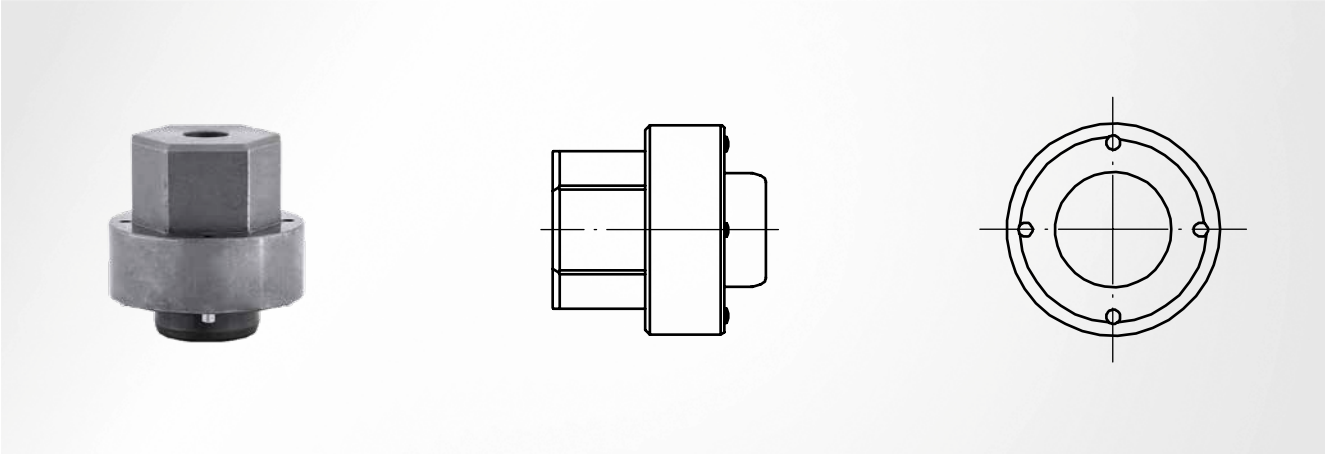
Note

Assembly and disassembly of the screwed-on base; repair of nitrogen systems must only be carried out by trained personnel; please observe our operating and safety instructions

D	Item number
19	SZ8000 WKZ019
25	SZ8000 WKZ025
32	SZ8000 WKZ032
38	SZ8000 WKZ038-1
50	SZ8000 WKZ050

D	Item number
63	SZ8000 WKZ063
75	SZ8000 WKZ075
95	SZ8000 WKZ095
120	SZ8000 WKZ120

DS-fixture



Compatibel series

SZ8065.2.038-095

D	Item number
38	SZ8000 WKZ8065DS38
50	SZ8000 WKZ8065DS50
63	SZ8000 WKZ8065DS63

Note

Assembly and disassembly of the DS fixture; repair of nitrogen systems must only be carried out by trained personnel; please observe our operating and safety instructions

D	Item number
75	SZ8000 WKZ8065DS75
95	SZ8000 WKZ8065DS95



Compatibel series

SZ8060.2.

Composition

scraper; high-performance oil; piston seal; piston guide;
O-ring base; screw locking; lock ring; rod guide

Note

Repair of nitrogen systems must only be carried out by
trained personnel; please observe our operating and safety
instructions

D	Item number
25	SZ8000 REP005025
32	SZ8000 REP005032
38	SZ8000 REP005038
50	SZ8000 REP005050

D	Item number
63	SZ8000 REP005063
75	SZ8000 REP005075
95	SZ8000 REP005095
120	SZ8000 REP005120



Compatibel series

SZ7066.2.; SZ7080.2.; SZ8063.1.; SZ8065.2.019-032;
SZ8066.2.; SZ8080.2.

Composition

scraper; high-performance oil; piston guide; O-ring base;
screw locking; lock ring; rod seal; rod guide

Note

Repair of nitrogen systems must only be carried out by
trained personnel; please observe our operating and safety
instructions

D	Item number
19	SZ8000 REP002019
25	SZ8000 REP002025
32	SZ8000 REP002032
38	SZ8000 REP002038
50	SZ8000 REP002050

D	Item number
63	SZ8000 REP002063
75	SZ8000 REP002075
95	SZ8000 REP002095
120	SZ8000 REP002120



Compatibel series

SZ8065.2.038-095

Composition

gasket kit mounting complete; high-performance oil;
piston guide; O-ring base; screw locking; rod seal

D	Item number
38	SZ8000 REP003038
50	SZ8000 REP003050
63	SZ8000 REP003063

Note

Repair of nitrogen systems must only be carried out by trained personnel; please observe our operating and safety instructions

D	Item number
75	SZ8000 REP003075
95	SZ8000 REP003095



Note

The specified burst pressure corresponds with the maximum allowable pressure PS of the nitrogen cylinders

Nitrogen cylinder	Burst pressure bar	Item number
Ø32 and Ø38	350	SZ7087 06350
	380	SZ7087 06380
	430	SZ7087 06430
	450	SZ7087 06450
	470	SZ7087 06470
	500	SZ7087 06500
from Ø50	350	SZ7087 12350

Nitrogen cylinder	Burst pressure bar	Item number
from Ø50	380	SZ7087 12380
	400	SZ7087 12400
	430	SZ7087 12430
	450	SZ7087 12450
	470	SZ7087 12470
	500	SZ7087 12500
	600	SZ7087 12600

ST8841-DS Gasket kit



for manifold cylinder



Scope of supply

Scraper; piston seal; piston guide; O-ring; rod guide;
high-performance oil

Compatibel cylinder	Item number
ST8841-1-005, ST8841-2-005, ST8841-3-005	ST8841 -005-DS
ST8841-1-010, ST8841-2-010, ST8841-3-010	ST8841 -010-DS
ST8841-1-025, ST8841-2-025, ST8841-3-025	ST8841 -025-DS

Compatibel cylinder	Item number
ST8841-1-035, ST8841-2-035, ST8841-3-035	ST8841 -035-DS
ST8841-1-055, ST8841-2-055, ST8841-3-055	ST8841 -055-DS
ST8841-1-100, ST8841-2-100, ST8841-3-100	ST8841 -100-DS

ST8841-ZB Accessory kit

for manifold cylinder



Scope of supply

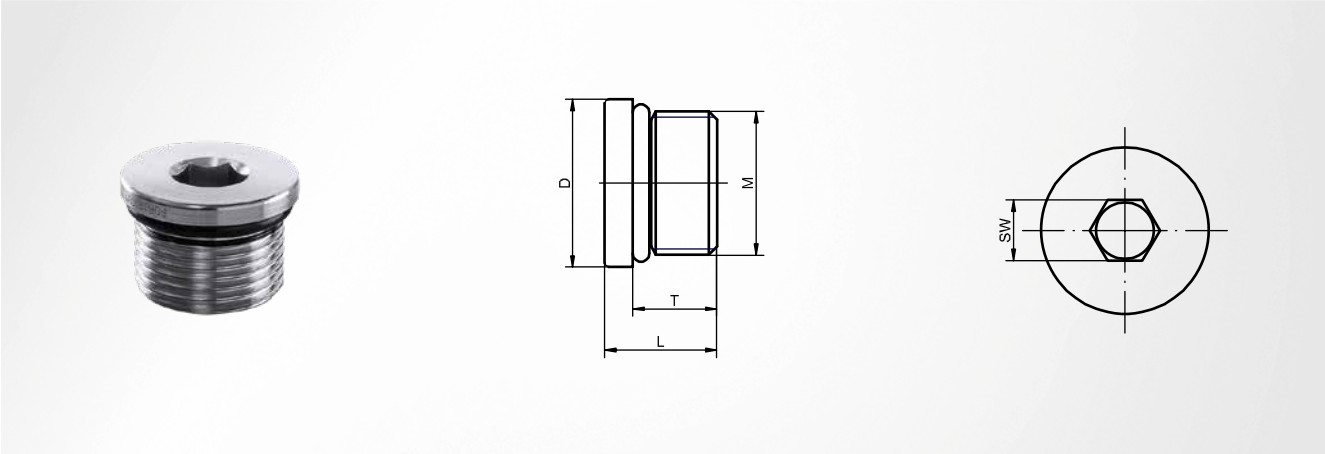
Bleed valve; lubricating nipple; lock ring

passender Zylinder	Item number
ST8841-1-005, ST8841-2-005	ST8841 -1-005-ZB
ST8841-1-010, ST8841-2-010	ST8841 -1-010-ZB
ST8841-1-025, ST8841-2-025	ST8841 -1-025-ZB
ST8841-1-035, ST8841-2-035	ST8841 -1-035-ZB

Compatibel cylinder	Item number
ST8841-1-055, ST8841-2-055	ST8841 -1-055-ZB
ST8841-1-100, ST8841-2-100	ST8841 -1-100-ZB
ST8841-3-003	ST8841 -3-005-ZB
ST8841-3-010	ST8841 -3-010-ZB

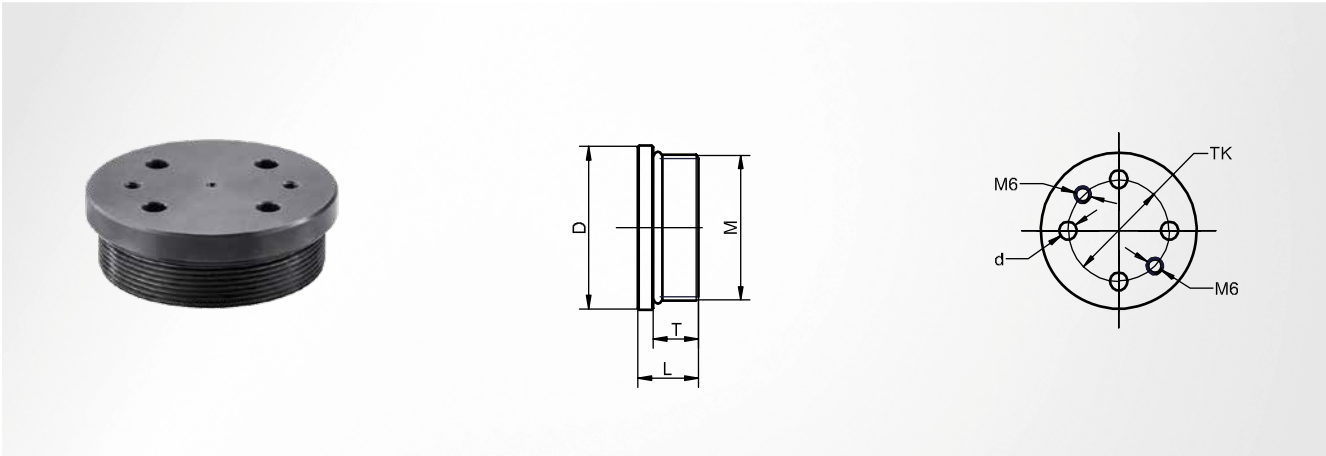
ST8842 Sealing plug

with six pans creux



Note
is used for sealing the volume or connecting holes

D	M	L	SW	Torque Nm	Bore hole diameter	Circular area cm ²	T	Item number
16	1/2"-20 UNF	12.0	5	40	10	0.785	9.0	ST8842 -012
19	M14 x 1.5	14.0	6	45	12	2.011	11.0	ST8842 -014
22	3/4"-16 UNF	15.0	8	55	16	1.131	12.0	ST8842 -016
27	M20 x 1.5	18.0	10	70	16	2.545	14.0	ST8842 -020
32	M27 x 2	22.5	12	160	24	4.524	18.5	ST8842 -027



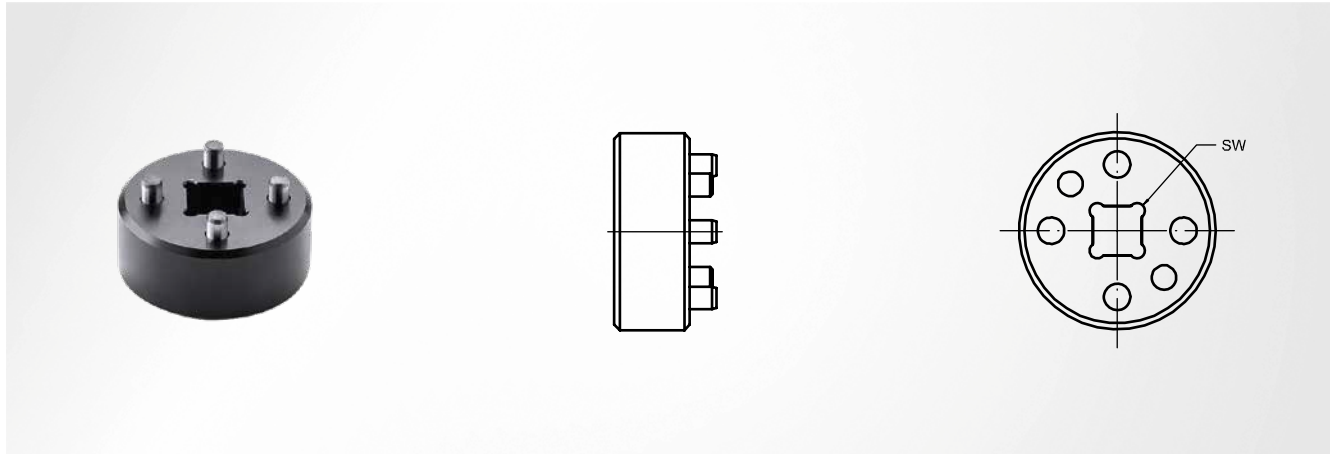
Note

is used for sealing the volume or connecting holes

D	M	d	T	TK	Torque Nm	Bore hole diameter	Circular area cm ²	L	Item number
42	M36 x 2	5.2	15	25	300	33	8.553	20	ST8842 -036
48	M42 x 2	5.2	15	30	330	39	11.946	20	ST8842 -042
54	M48 x 2	6.2	15	35	440	44	15.904	20	ST8842 -048
70	M64 x 2	6.2	15	45	440	60	28.274	20	ST8842 -064
88	M80 x 2	8.2	20	55	800	76	45.365	30	ST8842 -080
108	M100 x 2	8.2	20	70	1000	96	72.382	30	ST8842 -100
145	M130 x 2	8.2	20	90	1200	126	124.69	30	ST8842 -130

ST8842-WKZ-5 Assembly tool

for sealing plug

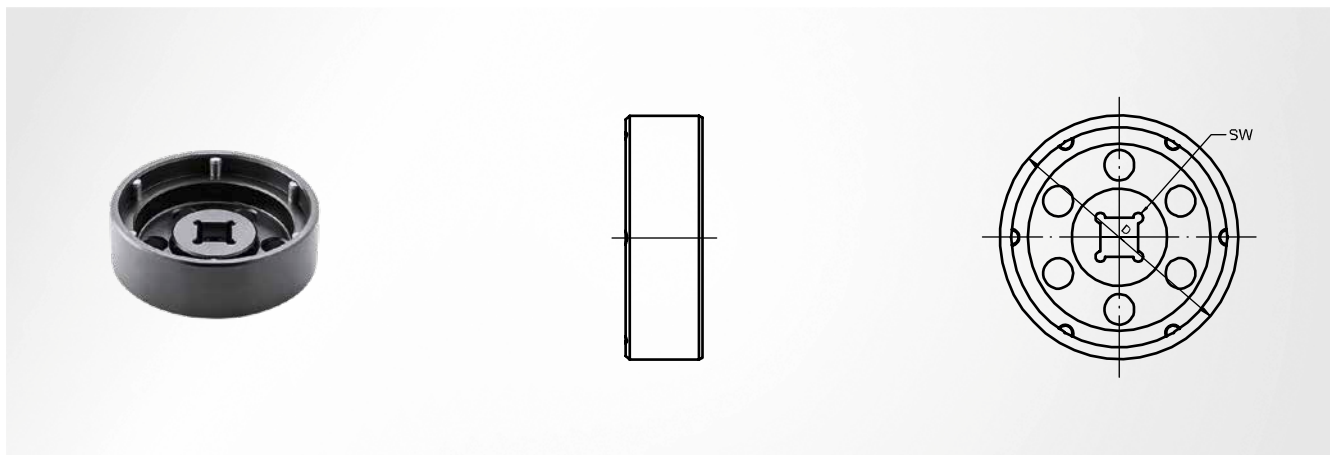


M	SW	Item number
M36 x 2	12.7	ST8842 - WKZ-5-036
M42 x 2	12.7	ST8842 - WKZ-5-042
M48 x 2	12.7	ST8842 - WKZ-5-048
M64 x 2	19.0	ST8842 - WKZ-5-064

M	SW	Item number
M80 x 2	19.0	ST8842 - WKZ-5-080
M100 x 2	19.0	ST8842 - WKZ-5-100
M130 x 2	19.0	ST8842 - WKZ-5-130

ST8841-WKZ-3 Socket

for manifold cylinder



Note

is used when there is an open installation space and standard installation clearance in the event of several cylinders on a manifold plate; when there is a sufficient depression diameter in the event of recessed installation

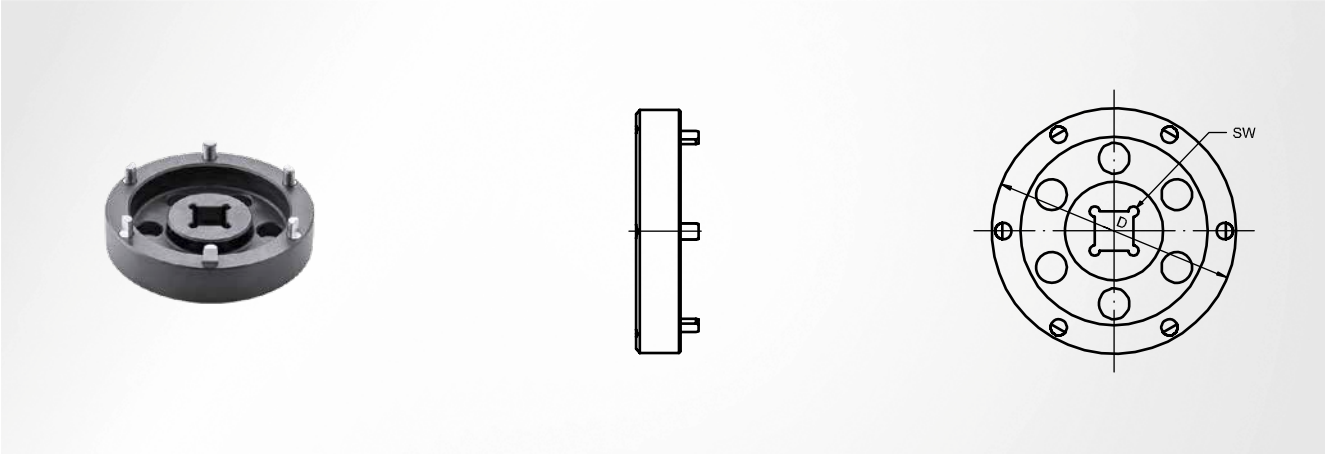
Cylinder type	D	SW	Item number
005	52	12.7	ST8841 - WKZ-3-005
010	64	12.7	ST8841 - WKZ-3-010
025	82	12.7	ST8841 - WKZ-3-025

Cylinder type	D	SW	Item number
035	100	12.7	ST8841 - WKZ-3-035
055	120	19.0	ST8841 - WKZ-3-055
100	165	19.0	ST8841 - WKZ-3-100

ST8841-WKZ-41 Socket



for manifold cylinder



Note

is used in the event of recessed installation or a shortened cylinder installation clearance

Cylinder type	D	SW	Item number
005	52	12.7	ST8841 - WKZ-41-005
010	64	12.7	ST8841 - WKZ-41-010
025	82	12.7	ST8841 - WKZ-41-025

Cylinder type	D	SW	Item number
035	100	19.0	ST8841 - WKZ-41-035
055	120	19.0	ST8841 - WKZ-41-055
100	165	19.0	ST8841 - WKZ-41-100