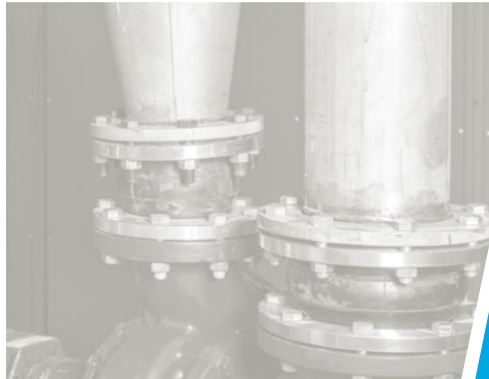




High Pressure rubber compensators

movement balance & noise reduction



**be different.
make a difference.**

High Pressure Compensators

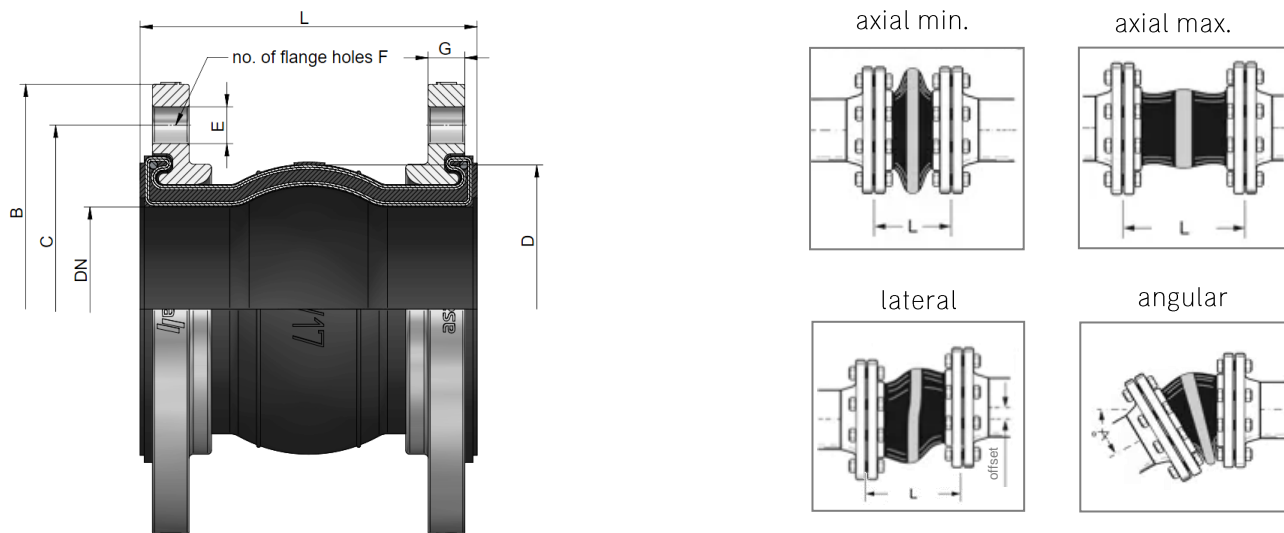
NG 25 to 500



The asa high pressure compensator series is carried out as high performance design with very flexible capabilities and long duration. It's high shape design focusses most compact flange to flange dimension and excellent noise reduction and vibration absorption as well as high movement tolerances in all directions.

The sealing part of the rubber is designed to seal without any additional sealing material. The turnable metal flanges are designed with a flare to support the pressure performance of the product. This is a major difference to other solutions in the market with direct impact to the high duration of the compensator.

Please read our manual before installation!



Technical Data

nominal size	nominal pressure*	L	D ø	B ø	C ø	E	F	G	axial**		lateral**	angular**	weight	
									min. [mm]	max. [mm]				
DN	PN [bar]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]			+/- [mm]	+/- [°]	[kg]	
25	0 0	16	on request											
32	+2 -5	16	88±3	60±3	140	100	18	4	15	78	98	10	30	2,9
40	+2 -5	16	96±3	71±3	150	110	18	4	15	85	105	10	30	3,3
50	+2 -5	16	108±3	84±3	165	125	18	4	16	97	119	11	30	4,3
65	+2 -7	16	130±3	98±3	185	145	18	4	16	118	142	12	30	5,3
80	+2 -8	16	140±4	119±4	200	160	18	8	18	126	154	14	30	6,4
100	+2 -8	16	165±4	142±4	220	180	18	8	18	149	181	16	15	7,5
125	+2 -9	16	188±4	171±5	250	210	18	8	18	170	206	18	15	8,6
200	+2 -9	16	200±4	258±5	340	295	22	12	24	179	221	21	5	18,8
300	+2 -11	16	264±6	360±7	460	410	26	12	26	240	288	24	5	31,7
400	0 0	10	on request											
500	0 0	10	on request											

*... Depending on the fluid, a reduction of working conditions may be necessary. Please contact us for further assistance.

Acceptable load factors have to be considered:

up to 50°C – load factor up to 100% of movements
 up to 70°C – load factor up to 80% of movements
 up to 80°C – load factor up to 70% of movements

max. working pressure: 16bar
 max. working pressure 12bar
 max. working pressure 10bar

**... Allowable static movement range up to 60°C. Above 60°C, the static movement range will be reduced by 50%.
 Please note: Data not valid for combined movements. Please contact us for assistance.

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. asa assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. They represent a basis for your product selection. Due to different conditions in testing and application environments the performance may also vary by +/- 15%. All sound values are determined in accordance with ISO 9614-2, DIN EN ISO 11203 accuracy class 3 or Machinery Directive 2006/42/EG and are A-rated. At some of the performance data, possible differences to competition data are possible. The reason to that are no existing standardized testing procedures on individual subjects, e.g. for cooling performance measurements. Therefore, we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-VL, General tolerances for casted parts according to EN ISO 8062-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-F+C). The tolerances of welding seams are defined by quality group D according to EN ISO 10042, if it is not specified on the actual scale drawing or data sheet. Any form of liability is excluded for the information included in this datasheet. All details and calculation values are checked to the best of our ability, but these do not ensure any intrinsic product properties; due to the wide-ranging possible applications, it is advised that all technical data herewith included be confirmed through testing carried out by the end-user. asa technology Produktions- und Vertriebs GmbH reserves the right to modify the product without any separate notification. This refers to both technical data and the product itself. Furthermore, it is herewith specified that the datasheet does not substitute the corresponding scale drawings, assembly and installation guidelines, nor the operating instructions.
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High Pressure Compensators

NG 25 to 500



Acceptable vacuum pressure¹

DN	32	40	50	65	80	100	125	200	300	400	500
[bar]	-0,7	-0,7	-0,7	-0,7	-0,6	-0,4	-0,3	-0,3	-0,1	-	-

¹...The maximum acceptable elongation (L_{max}) reduces the vacuum resistance by 50%. The given data are measured at room temperature of 22°C with new products in standard length.

Materials

rubber inside	NBR (nitrile)
rubber reinforcement	PA textile cord
rubber outside	CR/NR (Chloroprene/Naturalrubber)
rubber hardness	70 shore ±5
flange	galvanized steel (stainless steel 1.4404 on request)

Compatibility

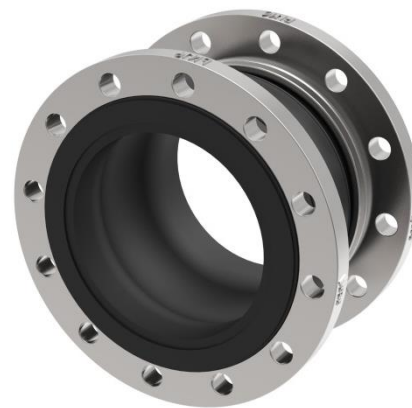
Standardized mineral oil products (except synthetic oils), crude oil, lubrication oil, cooling oil (-20°C up to 80°C), grease (mineral), cold water, warm water up to 60°C, water/oil emulsions.

Temperature

depending on fluid, movement and pressure -20°C up to 80°C

Flange Type

DIN flange,	PN16 (size 32 to 300)
ANSI standard	ASA 300 on request



Article Code

S D K H D 6 D 6 0 2 0 0 N 0 0 B 0 0

1 2 3 4 5 6 7 8 9

1 Product Series

SDK Connection Technology - Compensators

2 Design Type

H High Pressure

3 Flange 1

D6 DIN Flange PN16

A1 on request / ASA 150 (ANSI B16.5 150lb/in²)

A3 on request / ASA 300 (ANSI B16.5 300lb/in²)

others on request

4 Flange 2

D6 DIN Flange PN16

A1 on request / ASA 150 (ANSI B16.5 150lb/in²)

A3 on request / ASA 300 (ANSI B16.5 300lb/in²)

others on request

5 Compensator Size DN

0032 to 0500

6 Rubber Material

	inside	outside
N	NBR	CR/NR
others	on request	

7 Flange Material

0 standard galvanized steel

1 stainless steel 1.4404 (on request)

others on request

8 Special Purpose Options

0 no options

Vacuum support rings, tie rods and angular limiters on request

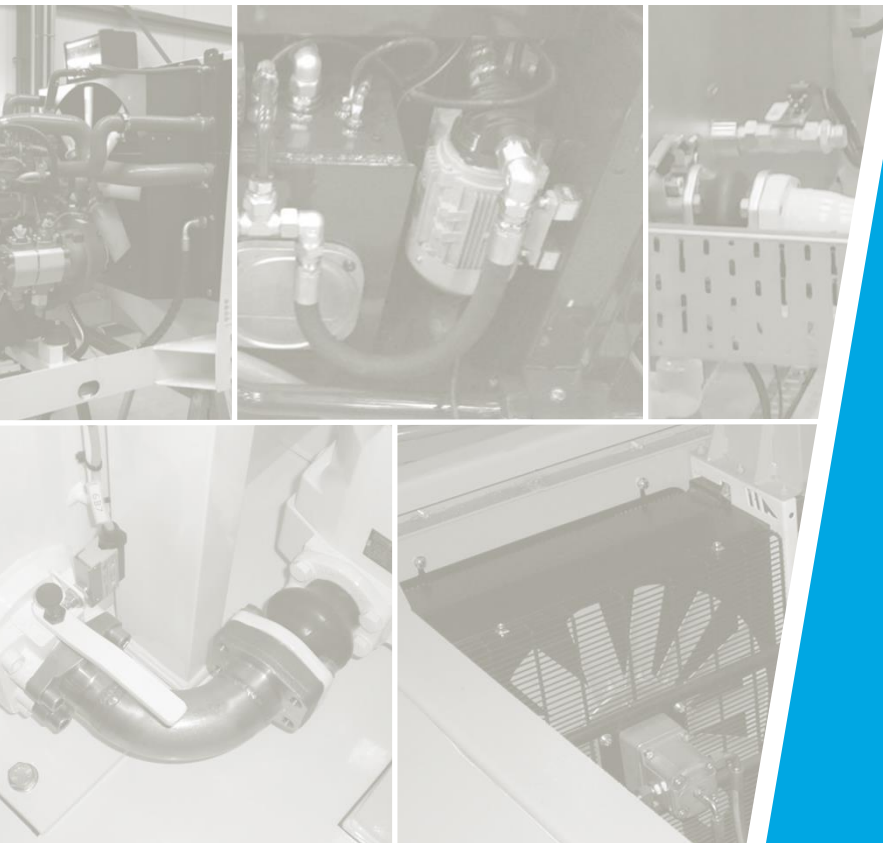
9 Index / Customized

Bxx special / customized specifications, to be advised by asa;



**Thermal Systems
Connection Technology
Fluid Controls**

**be different.
make a difference.**



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