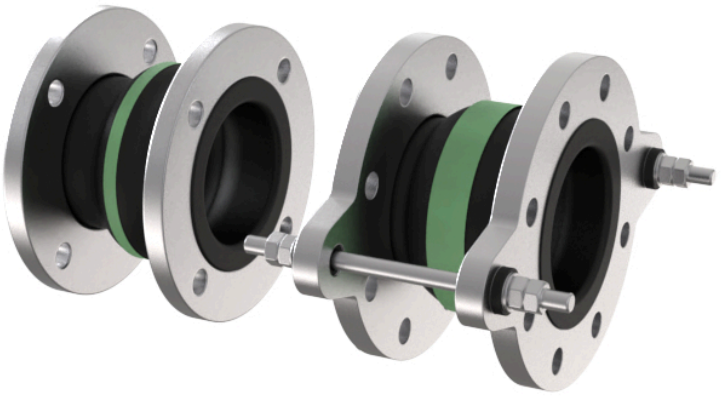
# Rubber Expansion Joint AT 5983



# Product information

AT 5983 is a high-quality rubber compensator that can be used with chemicals, aggressive chemical water, and compressor air containing oil. The unique shape and quality of the rubber bellows provide optimal flexibility in all directions and absorb pipe displacements in most piping systems. With a flanged EN1092 connection, it is easy to install, and it also has outstanding sound and vibration damping properties, making it an excellent choice for many industrial applications.

| | |
|---|---|
| **Dimension range (DN)** | 32 - 400 |
| **PN** | 16 |
| **Temperature (°C)** | -20 - 110 |
| **Main material** | Rubber |

## Area of use

Rubber compensator with unique sound and vibration damping properties. The rubber bellows has a shape and rubber quality that allows for optimal flexibility in all directions. AT 5983 can be used to absorb pipe displacements in most fluid and gas pipe systems. AT 5983 is used for chemicals, aggressive chemical water, and compressor air containing oil.

## Tender text

**PSH.21 Vibration dampers and the like in fluid power systems**

## Quality assurance

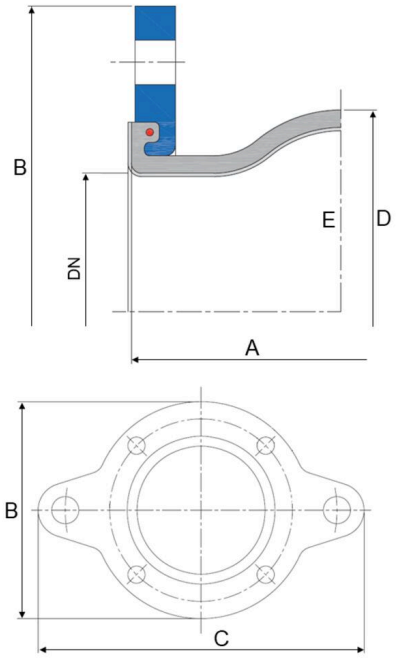
AFS 2023:5, PED 2014/68/EU
**Product marking:** Manufacturing date and colour indication.

## Energy and environment declaration

**Subject to notification under REACH:** No
**Reach date:** 12/06/2026

## Measurements and weight

**Dimension range (DN):** 32 - 400




| DN | A | B | C* | D | Effektivarea (mm²) |
|---|---|---|---|---|---|
| 32 | 130 | 140 | 230 | 81 | 1700 |
| 40 | 130 | 150 | 240 | 86 | 1800 |
| 50 | 130 | 165 | 255 | 96 | 3200 |
| 65 | 130 | 185 | 275 | 111 | 5300 |
| 80 | 130 | 200 | 290 | 122 | 8500 |
| 100 | 130 | 220 | 310 | 142 | 12800 |
| 125 | 130 | 250 | 340 | 168 | 18700 |
| 150 | 130 | 285 | 375 | 192 | 25900 |
| 200 | 130 | 340 | 440 | 252 | 41000 |
| 250 | 130 | 395 | 509 | 302 | 59600 |
| 300 | 130 | 445 | 559 | 354 | 82200 |
| 350 | 200 | 505 | 619 | 420 | 117600 |
| 400 | 200 | 565 | 700 | 480 | 154700 |

## Function and design

The compensator bellows cover the outlet on the flange, so that additional sealing is not necessary.

## Technical data

**Main material:** Rubber
**Main material code:** CSM (chlorosulphonated polyethylene)
**Included materials:** Steel, Rubber
**Included material code:** CSM (chlorosulphonated polyethylene), Steel S235JR (Rst 37.2) (1.0038)
**Material note:** CSM with polyamide reinforcement
**Temperature (°C):** -20 - 110
**Temperature notes:** Maximum operating temperature: 100°C
Short-term maximum operating temperature: 110°C
See maximum allowable operating data in the user manual.
**PN:** 16
**Connection:** Flanged EN1092
**Comment to colour:** Green markings

## Installation and maintenance

**Flowdirection:** Bi-directional
**Possible mounting position:** Vertical, Horizontal
Rubber compensator AT5983 is delivered ready for installation. The standard flanges can be rotated to any desired position. Separate seals are not required. Before mounting the compensator, make sure that the sealing surface of the mating flange is free from damage. Protruding pipe ends, grooves, wedges, weld spatter, etc. should not be present, as these can damage the sealing surface of the coupling.

Be careful to maintain the correct gap between the pipe ends. Forcing the pipes together in too large a gap can stretch the rubber bellows and cause the sealing lips to inadvertently creep out of their groove. During installation, the maximum allowable stretching is +5 mm and the maximum allowable compression is +5 mm. Excessive stretching limits the allowable range of motion.

Refer to the separate user manual for further instructions.

The company's management system
is certified by DNV
ISO 9001 • ISO 14001

# Get into the flow

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