

Benefit by
**Belman
Products**



Steel compensators
for every conceivable situation


Belman



Belman Production A/S and steel compensators

Belman is designer and manufacturer of steel compensators. Steel compensators are our core business and have been that for many years.

Why steel compensators?

Steel compensators are the flexible part in pipelines, and do significantly prolong the service life of pipelines and connected equipment by absorbing thermal expansions and vibrations.

Movements why?

In a pipeline, with a continuous media, movements occur. The movements can be a result from more different factors, among others:

- Thermal expansion.
- Pressure.
- Vibrations.
- Misalignments.
- Foundation settlement.
- Relative movements between other elements.

Steel compensators absorb:

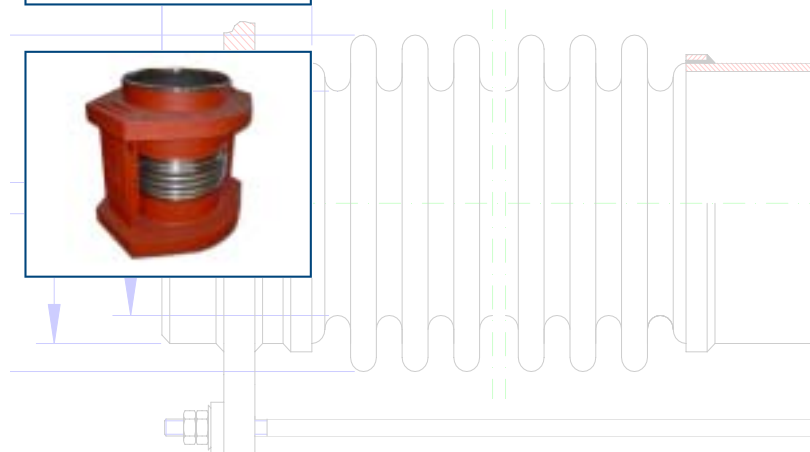
Axial movements



Lateral movements



Angular movements



Fields of application

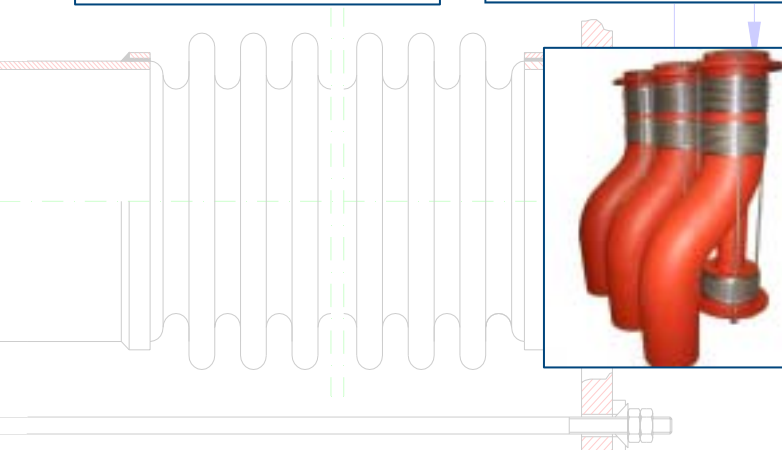
Steel compensators are an important part in many industries.

Our end-users are among others:

- The power sector
- The processing industry
- The chemical industry
- Steel plants
- Shipping industry
- Nuclear plants

Advantages of steel compensators

- Resistant towards pressure/ pressure thrust forces.
- Compensate for settlement movement and fitting inaccuracies.
- Resistant towards corrosion, chemicals and vacuum.
- Safe, reliable and durable.
- Relatively maintenance free.
- Bring balance between flexibility and resistance towards pressure.
- Absorb movements and vibration.



Product program

The product program of steel compensators and bellows, for every conceivable situation, include:

Sizes:

DN 40 to more than DN 6000 mm.

Temperatures:

From -270°C to +600°C.

Pressure:

From Full vacuum to 100 bars.

Types:

Axial compensators
Lateral compensators
Angular compensators – hinged
Angular compensators – gimbal
Universal compensators
Exhaust compensators
District heating compensators

And...

Titanium, Hastelloy and Monel bellows. PTFE-lined metal bellows. Steel bellows; single- and double bellows. Rectangular compensators, corner relief expansion joints, pressure balanced units etc.

Accessories

Among many others:
Welding ends, fixed- and turn able flanges, tie rods and collar rings.

Customized solutions

If the compensator required is not in the standard product program, give us your specifications and we design and manufacture the optimum solution for you.

- One of our strengths is customized solutions!

Examples of our experience in customized solutions can be seen from our reference brochure.

Belman Production A/S can also supply you:

***Rubber compensators
Hygienic compensators
PTFE-coated compensators
PTFE-bellows
Metallic flexible hoses
Fabric bellows***

...for every conceivable situation!

