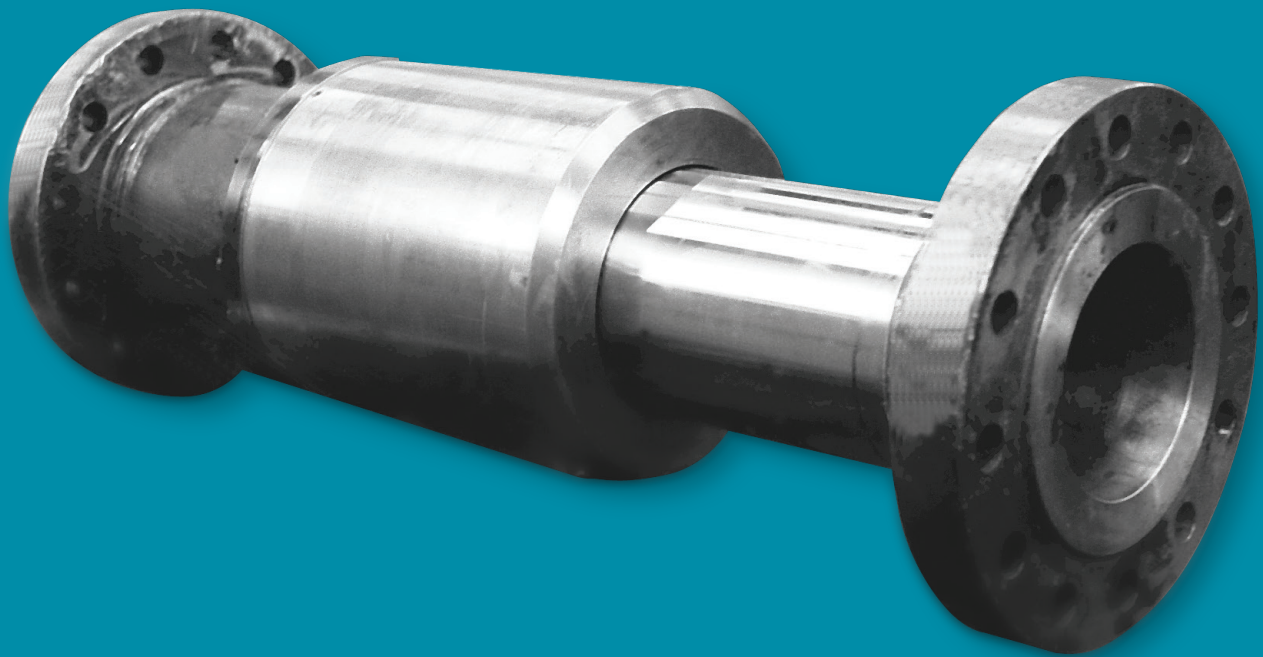


# COMPENSATORS

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Den Holder Compensators (Expansion Joints) are designed, manufactured and tested to be complete safe compensators for pipe-works where quick mounting in and out of various components is required.



**QUALITY CAN BE MEASURED**

den holder 

## COMPENSATORS

Den Holder Compensators (Expansion Joints) are designed, manufactured and tested to be complete safe compensators for pipe-works where quick mounting in and out of various components is required. The length differences that occur because of installing different sort of components, can simply be intercepted.

The cost of ownership are low, since no more changing of spoolpieces is required and no studbolts and nuts need to be loosened and tightened anymore.

Unbalanced compensators can slide in and out in pressureless condition. This usually can be done by hand, but for larger sizes hydraulic or pneumatic cylinders on the outside of the compensators can be mounted. Balanced compensators have the advantage to be completely free of reaction forces. This means that compensators are completely balanced and will cause no forces in the line pipe in any way when the line is under pressure. Balanced compensators will even compensate forces in the adjoining line pipe which are normally produced by variations in temperature or pressure.

### ORDERING DATA

#### DESIGN CODES

» ASME B31.3, Stoomwezen, TÜV

#### SLIDING LENGTH

» 0 thru  $\pm 1,3 D$

#### SIZE AND CLASS

»  $\frac{1}{2}$ " – 24" / 150 – 2500 #

#### FLANGE FACING

» RF or RTJ

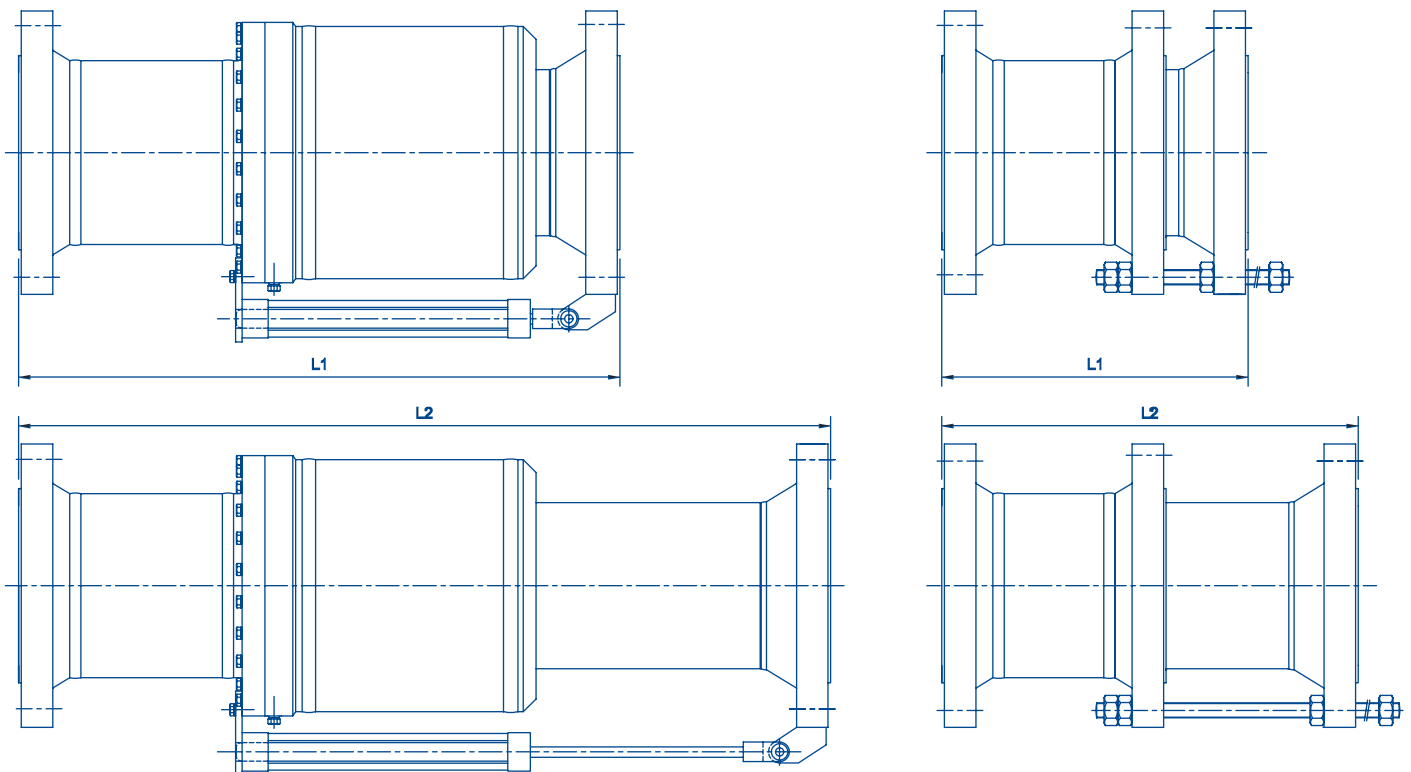
#### MATERIALS

» A105N / A350LF2 / A182-F5, F11, F22, F91 / C21

» A106Gr.B / A333Gr.6 / A335Gr.P5, P11, P22, P91

» A312-TP304(L), A312-TP316(L)/Ti, A312-TP321(L)

» A182-F51 / 1.4462 / UNS S32760 (super duplex)



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