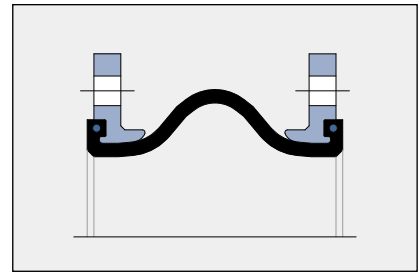


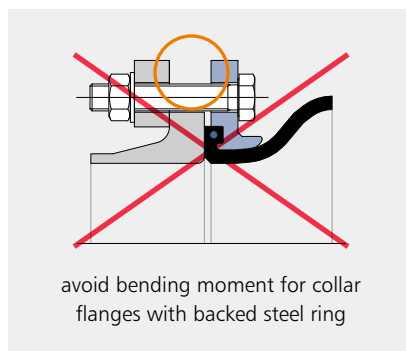
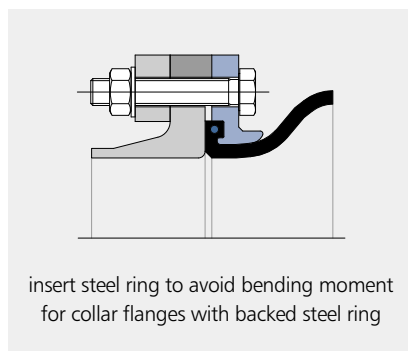
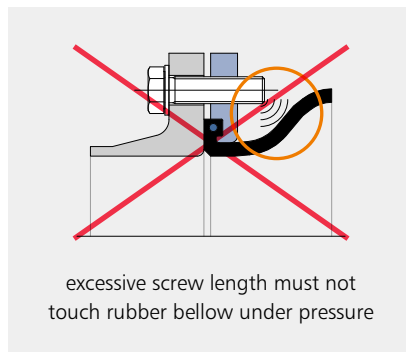
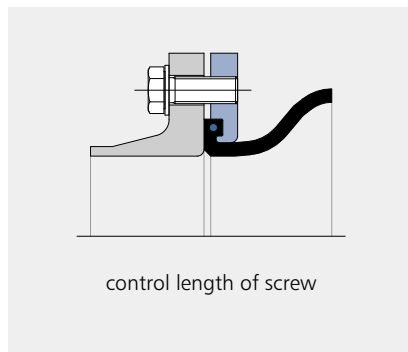
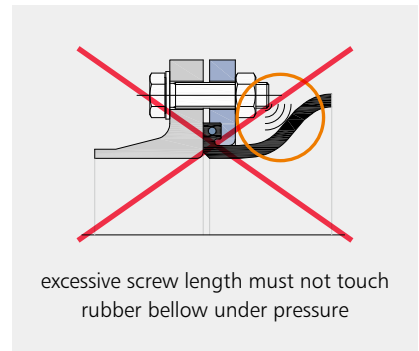
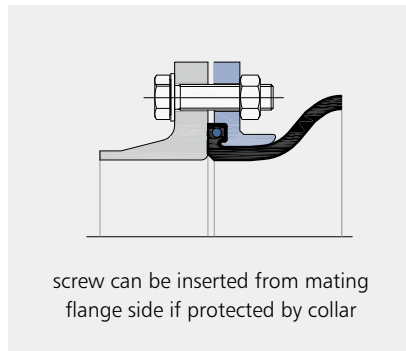
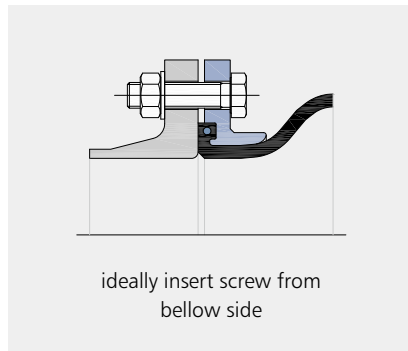
**With self-sealing rubber bulges and swivel backing flanges**

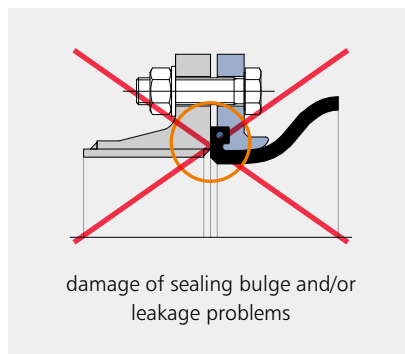
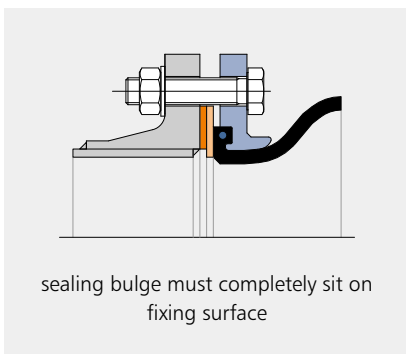
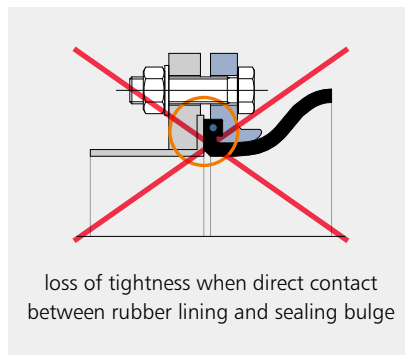
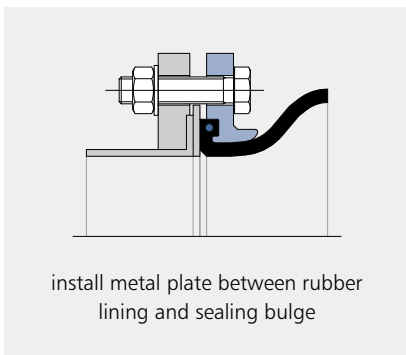
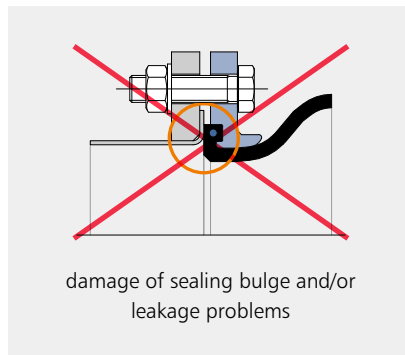
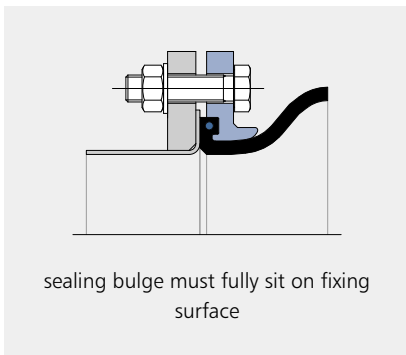
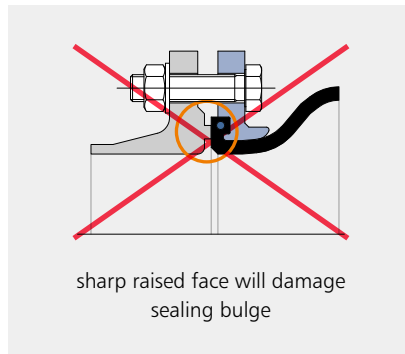
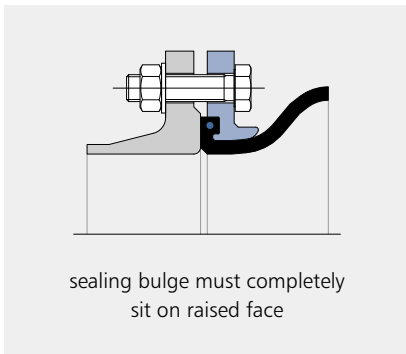
An expansion joint design with self-sealing rubber bulges and swivel backing flanges is available for types without, with single and multiple arches. The rubber flange of the bellows is designed as a sealing bulge with an embedded steel core. The swivel backing flanges can be made with or without support collars and can be used to simplify the installation of the expansion joint for misaligned flange bores. Standard sizes are offered up to a diameter of Ø 1,200 mm. For larger dimensions, the costs associated with turning the groove into the steel flange rise sharply, but can be offered on request. Backing flanges will always be delivered in a one-piece construction except for some rare applications with Fluoroplastic liner. Hereto special measurements such as cutting through the holes or end plates to connect the backing flange parts to form an integral flange need to be taken.



The fixing of the expansion joint needs to be performed in keeping with specific rules in order to assure reliable sealing of the flange connection. Rubber expansion joints with swivel flanges maybe installed on raised-face or flat-face mating flanges. Caution shall be taken that sealing bead sits in full width on the raised face surface to avoid cutting into the rubber bulges when torquing.

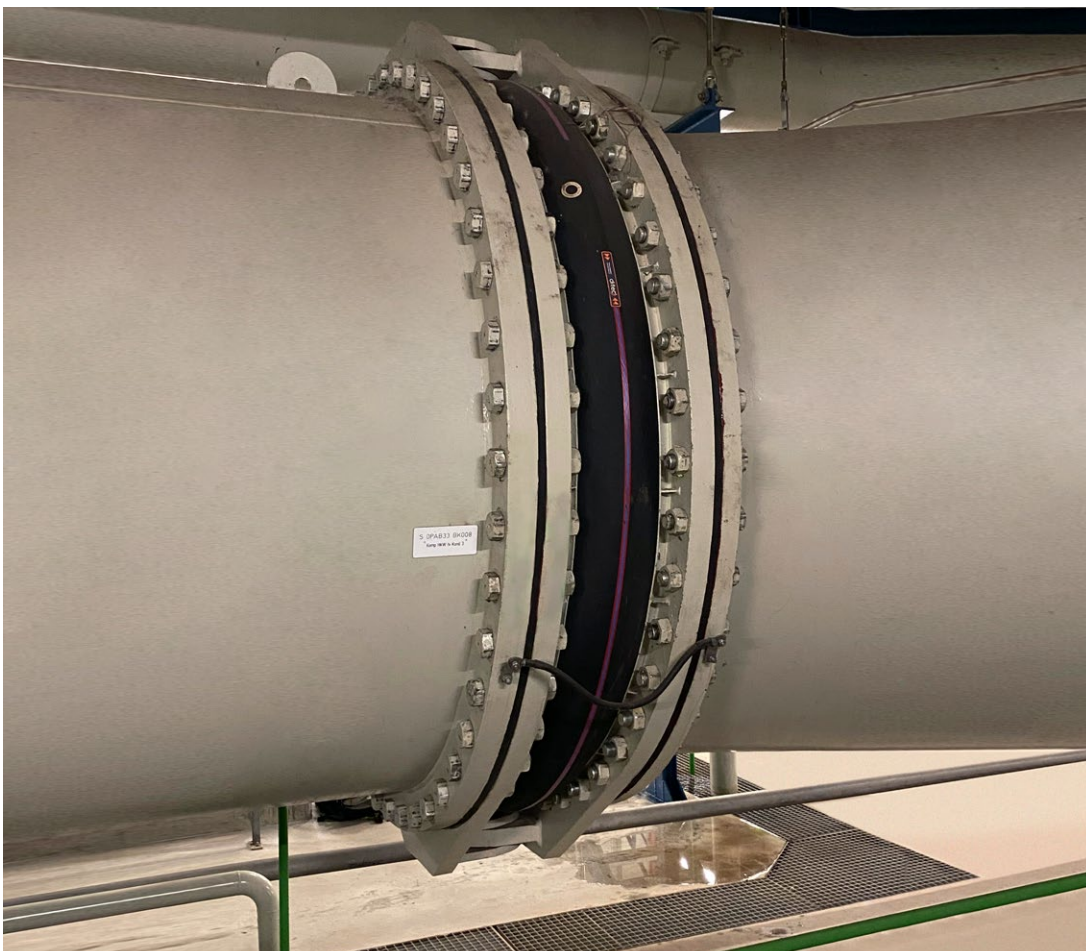
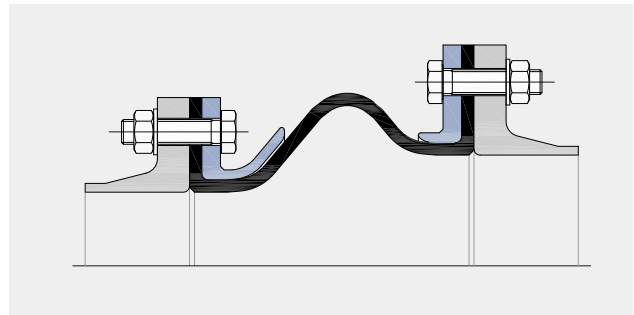
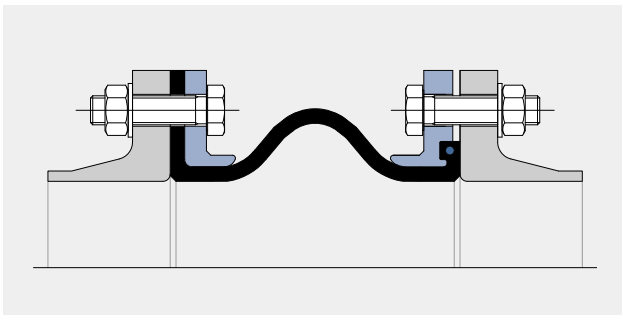
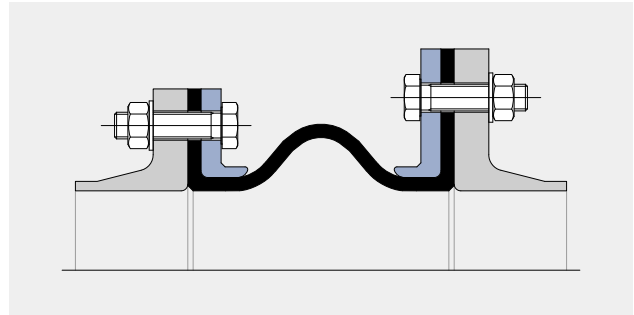
The seal bead eliminates any requirement for gaskets between mating flanges.





**Different flange dimensions and diameter change**

The flange dimensions can be designed in keeping with all the international norms, such as DIN, ANSI, AWWA, BS or JIS. Special dimensions can be accommodated. This also applies to expansion joints with different flange dimensions or with diameter jumps. The bores of the backing flanges can be manufactured as threaded holes or clearance holes as required.



Universal rubber expansion joint Typ U110A  $\varnothing$  2,000 PN 6 in a cooling water line of a power plant