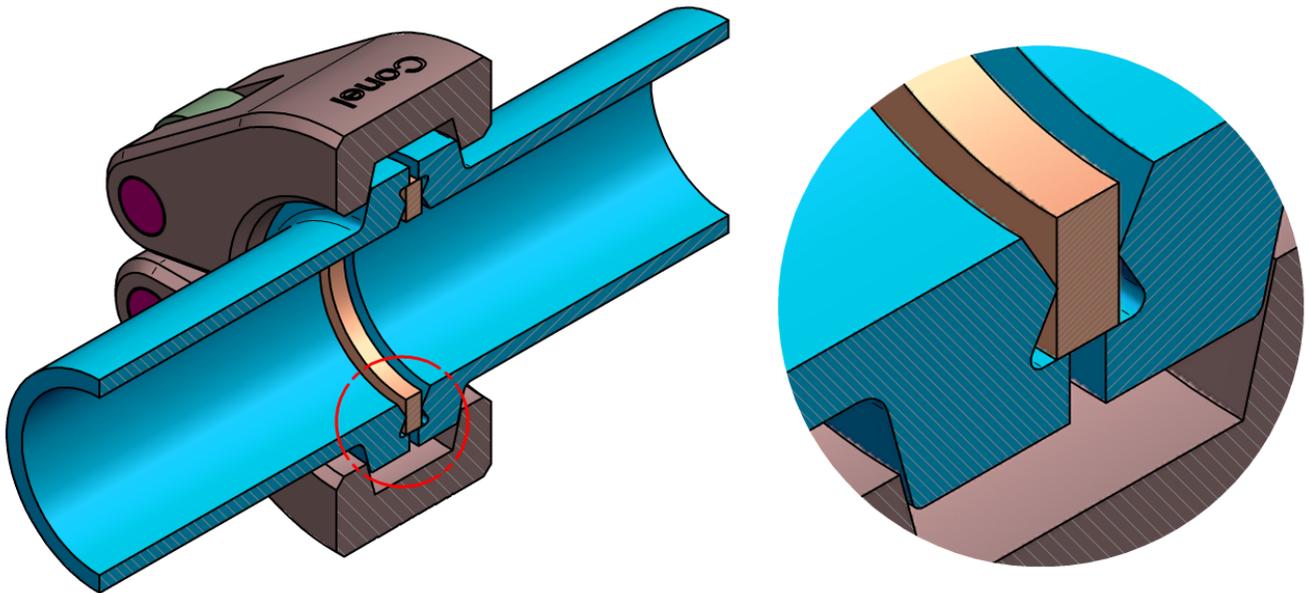


UHV Fitting DN06, DN10 & DN15



This type of fitting can be used in UHV and cryogenic plants, in the food and beverage industry, in gas analysis and chromatography as well as in similar applications. It is also suitable for helium leakage tests.

A special feature of this fitting is that it withstands both low (-270°C) and high (+500°C) temperatures. This is due to the stainless steel material used for each individual component. The materials copper, aluminium, pure nickel, silver or other materials can be used for the metallic gaskets: materials that are softer than the ones used for small flanges.

The detail of the picture features the two sealing rims, between which, the metallic gasket is formed. In order to protect the sealing rim, it is retracted in comparison to the damageable flat surface. The sealing rim can therefore only be scratched deliberately. Further, the gasket is centred and enclosed at the inner diameter of the small flange. The advantage of this particular construction is that the gasket does not need to be changed each time the fitting is opened and retightened.

The clamping ring of the fitting can be tightened with a machine driven screw driver, which is much more convenient with regard to the union nuts. The two small flanges and the clamping ring are not restricted at all and can be rotated 360°. To disassemble existing tubing no free mounting area for the union nut or the axial relief of the tube must be taken into consideration. Should the thread "corrode", there is no need to cut out and remove the whole fitting from the existing tubing. The replacement of the clamping ring or the screw with the associated threaded axle itself is sufficient.

OEM customers can have their own lettering attached to the half shells. Special surface treatments, e.g. electro-polishing, or other materials for the small flange can be arranged upon the customer's request. Electrical feed-throughs, flexible metal tubes etc. can also be supplied.

