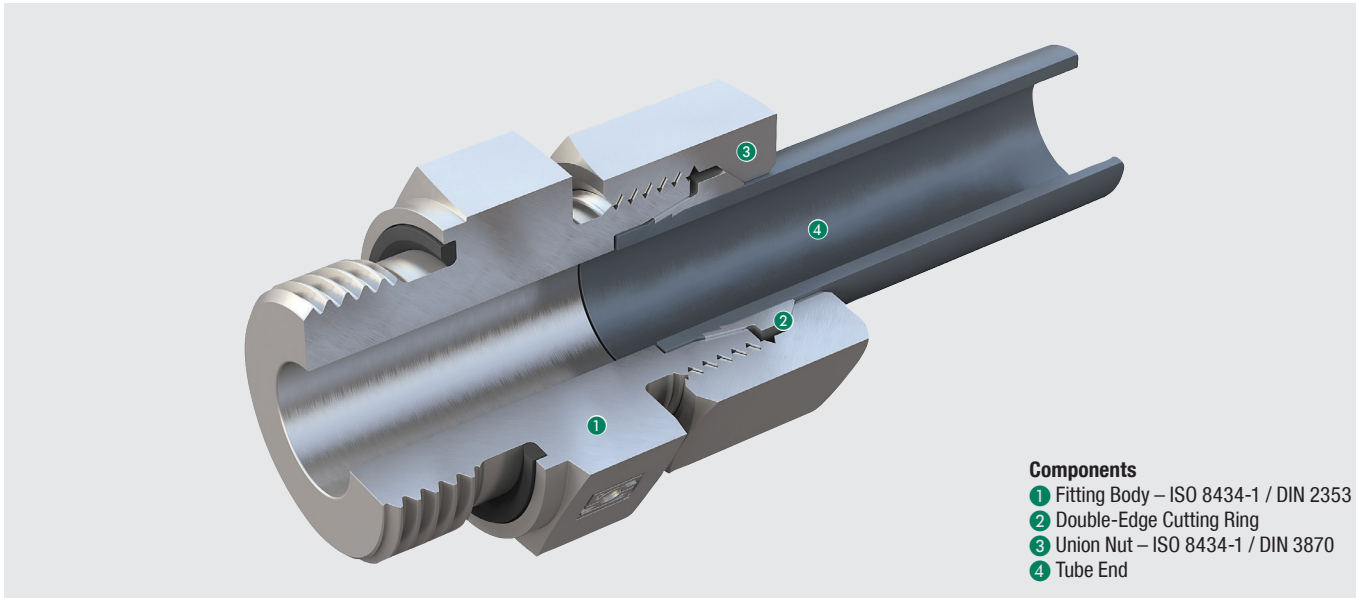


## 24° Tube Fittings with Single / Double Edge Cutting Ring



- Components**
- 1 Fitting Body – ISO 8434-1 / DIN 2353
  - 2 Double-Edge Cutting Ring
  - 3 Union Nut – ISO 8434-1 / DIN 3870
  - 4 Tube End

STAUFF Connect 24° Tube Fittings with Cutting Ring have been developed and designed for the reliable, leak-free connection of metric tubes with outside diameters between 4 mm and 42 mm / between .16 in and 1.65 in respectively.

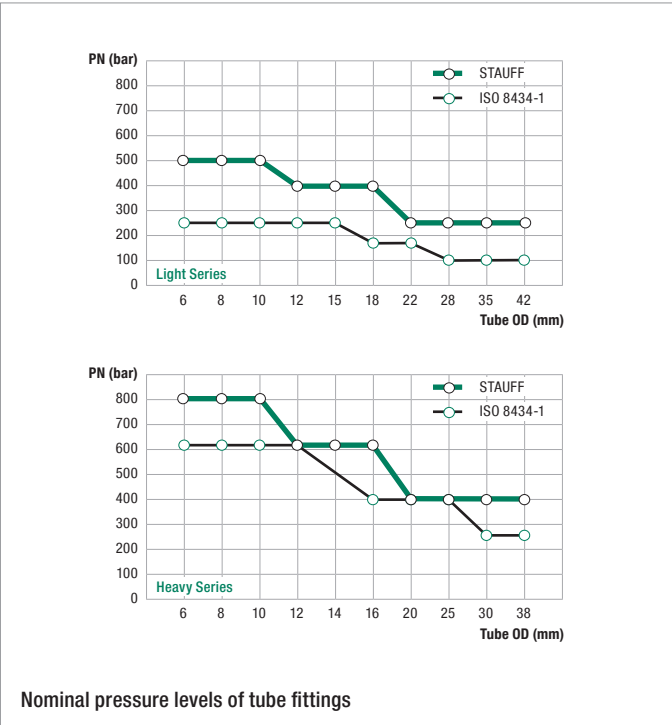
Therefore, the most relevant key dimensions of the tube fittings (e.g. through bores and widths across flats) also have metric dimensions.

With regards to their dimensioning and general design, STAUFF Connect 24° Tube Fittings with Cutting Ring fully comply with the latest versions of the ISO 8434-1 and the DIN 2353 standards.

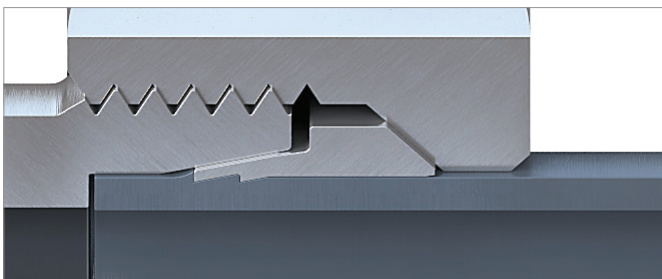
The operating principle of STAUFF Connect 24° Tube Fittings with Cutting Ring is based on a double-edge cutting ring, which cuts into the tube twice, thus ensuring the necessary force and form closure in the cutting area.

Thanks to the optimised geometry of this ring, the two edges do not cut simultaneously, but rather one after the other. In addition to increasing the incising effect, this method maximises the tear strength of the fitting.

Due to the design of the double-edge cutting ring in the central region as well as in the shoulder area, a larger tube support surface with a high surface pressure is achieved without jamming the cutting ring. This ensures uniform distribution of force. The outer support surfaces of the cutting ring are smoothed, thus minimising friction losses during assembly and guaranteeing the maximum degree of safety during use.



Nominal pressure levels of tube fittings



STAUFF Connect 24° Tube Fittings with Cutting Ring even exceed the ISO requirements in pressure: They can be used in applications with nominal pressures up to 500 bar / 7250 PSI in the Light Series and up to 800 bar / 11600 PSI in the Heavy Series (depending on series, type and size of the components – pressure reduction factors to be considered).

For dimensional reasons, STAUFF Connect 24° Tube Fittings with Cutting Ring in the Extra-Light Series use single-edge cutting rings (suitable for nominal pressures up to 100 bar / 1450 PSI)

