

Swaged rings



DESCRIPTION

The swaged ring consists of a completely smooth, integral circular band and a flange which ensures the connection of the band's ends by crimping.

Clamping is obtained by radial compression.

- Materials:
- Band: aluminium
 - Flange: Aluminium clad steel



FUNCTIONS

Ensure a tight fitting for:

- Transmission / steering boots
- Rubber hoses

STRENGTHS

- Exceptional resistance to mechanical stresses (tensile strength over 450daN): secure holding of thermoplastic boots.
- Unrivalled compression capacity:
 - 10mm for larger diameters
 - 7mm for smaller diameters
- Salt spray resistance over 400 hours, resistance to automotive fluids
- Resistance to centrifugal force and prevention of unbalance
- Compactness
- Integrity of the connection (removable by destruction)

RANGE

Diameters from 27 to 110 mm

Available band widths: 7 mm, 9 mm and 10 mm

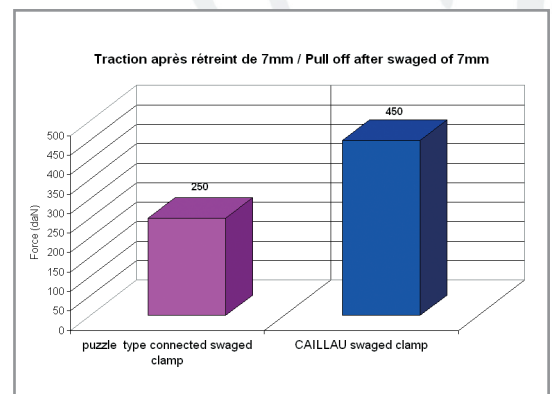
Band thickness: 1.5 mm

ASSEMBLY

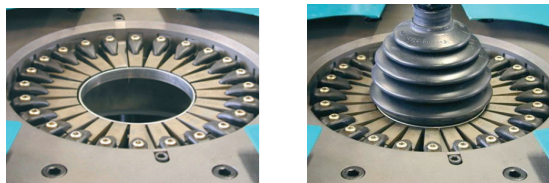
The compression of the swaged rings on the application can be done following several techniques.

One of the solutions developed by CAILLAU makes it possible to bring the elements to be assembled following a radial or axial trajectory (unlike other technologies that imply positioning the assemblies axially).

Moreover, this technology allows to tighten several rings at the same time.



Conventional means
(The assembly is positioned axially)



“CAILLAU” solution
Enables radial positioning

