

TENSA CASING CENTRALISERS

TENSA Casing Centralisers are the solution for stabilisation of casing strings in a conductor above sea level where they may be prone to high levels of corrosion. The centralisers are designed for rapid installation onto the casing string prior to being run into the conductor.

The centralisers reduce lateral movement in the casing string and prevent buckling. The distance between the installed centralisers is based on the allowable effective length as determined from buckling calculations. Tensa provides a complete service that includes the conductor analysis as well as the design and supply of the centralisers.

The centralisers each have two polyethylene halves which are attached to the casing using two stainless steel double bolt clamps. The combination of an internal rubber liner and a robust clamp design ensure that large gripping forces are applied to the casing string without causing damage to the casing.

The centralisers for a recent project were designed to support 2 casing strings inside a 36" conductor. They were also designed to accommodate the installation of grout lines for grouting operations.

Tensa undertook a geometry study for this application as the casing spacing changed over the installation height due to the need for larger separation at the wellhead. Equipment instructions and installation supports (such as conductor covers) were also supplied.

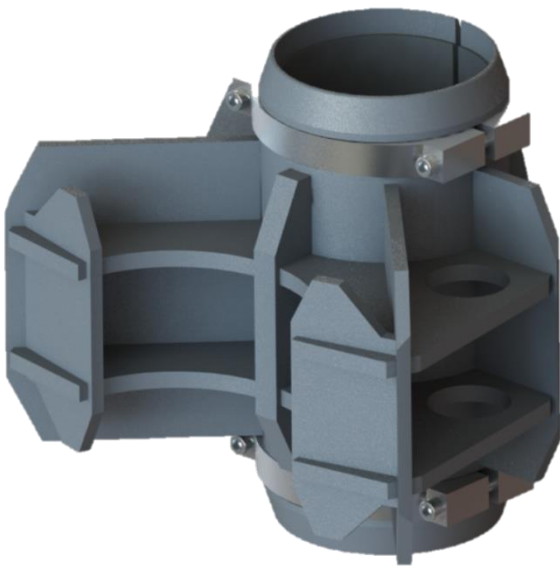


Figure 1 - 3D model of centraliser assembly

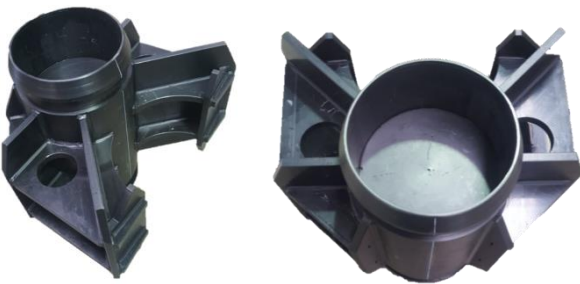


Figure 2 - Example of Fabricated Centralisers

KEY FEATURES

- Extremely robust
- Corrosion proof
- Fast installation
- Full engineering support available for your application

SPECIFICATIONS

Centraliser Body: HDPE

Bolt Clamps: Stainless Steel 316

Rubber Liner: Neoprene

Fasteners: Stainless Steel 316

Casing Sizes: 11 3/4" – 13 3/8" diameter.

Total Weight Per Centraliser: 60kg (30kg per half)

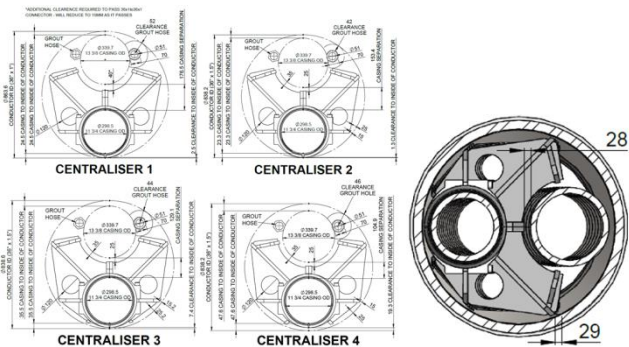


Figure 3 - Images from Geometry Validation Report

GRIPLIFT_poly centralisers v3