

XS-SERIES PRODUCT SUMMARY

The XS-Series metal seal hydraulic coupling product line has been developed primarily for extreme service tubing hanger penetrator applications where highest obtainable reliability, reduced size, weight, separating load and travel distance for engagement are critical design requirements. This series of couplings has working pressures up to 17,500 psi, and are suitable for use in high pressure and high temperature (HPHT) (-4 – 350 degrees Fahrenheit) applications and water depths to over 18,300 ft (5500 meters) with proper seal selection. Constructed of premium Nitronic stainless steel (standard), the XS-Series couplings use an advanced design of our standard, field proven, patented primary metal-to-metal seal and secondary polymer/elastomer dual dovetail crown seal system to contain internal pressure. In addition, the XS-Series has multiple metal and/or polymer/elastomer seals for all potential external to internal leak paths into the coupling. These compact couplings feature a seal cartridge that contains all the replaceable seals. This feature allows faster and easier seal replacement in the field. XS-Series coupling designs are made-to-order to customer packaging, mounting and end connection specifications, including fully qualified welds to 316L, Duplex, Super Duplex, 6 Moly or Inconel 625 stainless steel tubing to specified length.

Applications

The XS-Series couplings are ideally suited for tubing hanger penetrators, but can be used in a variety of other subsea applications requiring compact packaging and the highest obtainable reliability in extreme service conditions.