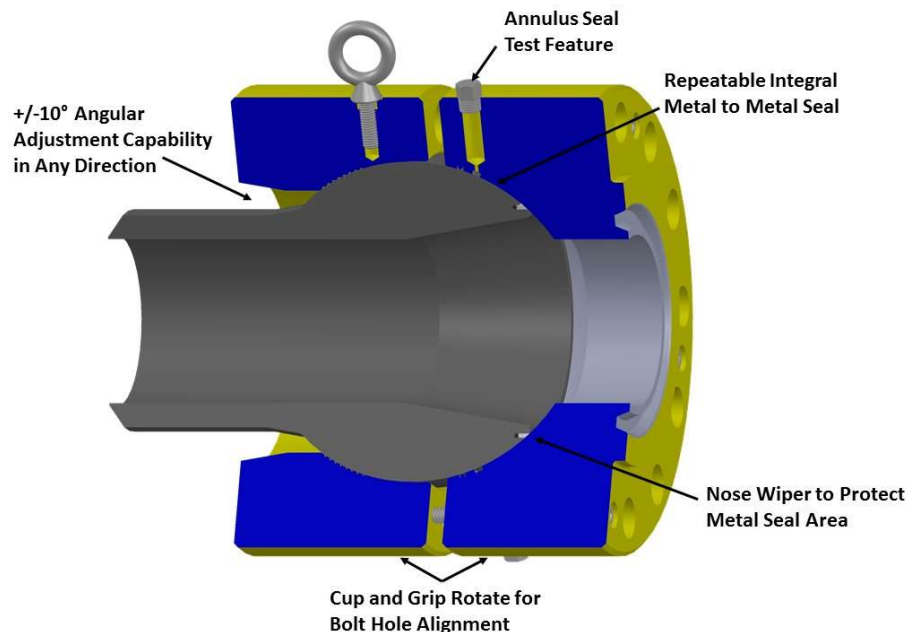


Titan Misalignment Flange

Product Description:

The Titan Misalignment Flange provides ease of makeup to an industry standard flange face where rotational and angular misalignment induces complications. The Titan Misalignment Flange is capable of a 360-degree rotation identical to a swivel ring flange for ease of bolt hole alignment and can be angularly adjusted up to 10 degrees in any orientation from its centerline axis to ensure flange faces become parallel. These features significantly reduce installation time by easing the assembly process and removes stresses that would otherwise be induced by forced rotation and articulation of the spool piece during makeup. Once bolt makeup is complete the Titan Misalignment Flange creates a fully metal to metal sealed, rigid connection, capable of easily sustaining pipeline loads. The Titan Misalignment Flange is furnished factory assembled requiring no special preparation or assembly, and consists of spherical metal sealing surfaces, fully protected against contamination ingress and handling damage. These spherical metal sealing surfaces are capable of multiple assembly operations without refurbishment and create a leak free seal utilizing standard bolt torques or tensioner makeup sequences.

The Titan Misalignment Flange Design Features:



All of TITAN SUBSEA INNOVATIONS products are designed with the strictest compliance to the appropriate codes. Full analysis, installation instructions, and complete data packages are available for specific product serial numbers.

Design Basis:

Titan Misalignment Flanges are designed to be installed with any standard flange and sealing configuration including (but not limited to); ANSI B16.5, ANSI B16.47, MSS SP-44, API 6A, API 17D, and can be employed for special applications to fulfill project specific requirements. Standard design is per ASME Boiler Pressure Vessel Code, Section VIII, Division 1. Other design codes can be accommodated as appropriate per customer requirements, and materials are NACE MR0175 compliant. All weld end materials are configured to be readily weld-able to customer pipe or spool-pieces.



12" 900 ANSI Titan Misalignment Flange

Titan Subsea Innovations, LLC invites you to [contact](#) us for your next subsea pipeline project, and experience the professionalism, knowledge, and dedication that exemplifies the Titan team.