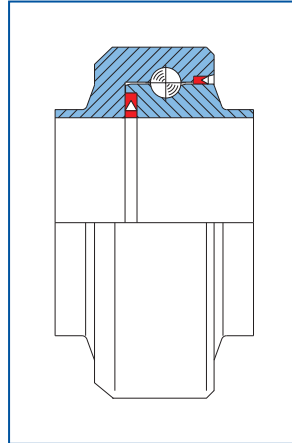


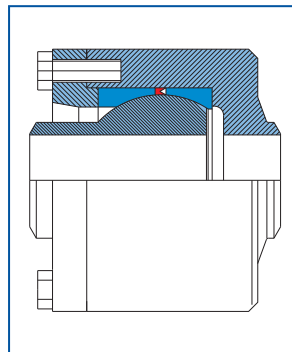
Swivel joint for the Food Industry

Series: VML & VMS - Hygienic purposes
 VML (1 ball race)
 VMS split flange swivel joint
 Nominal bores: from 1" up to 6"
 Material: stainless steel - 316Ti
 Applications: swivel joint pipe systems
 in combination with hoses
 Special feature: seals with FDA approval



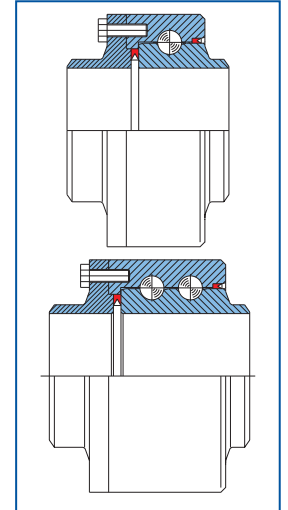
Ball joints

Serie: BJS
 Nominal bores: from 1" up to 40"
 Material: carbon steel, stainless steel
 Application: to absorb thermal expansion,
 contraction and motion in
 pipe systems
 Special feature: handles +/- 15° angular flex
 and 360° rotation



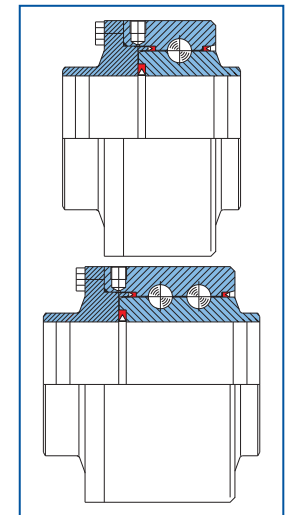
Split flange swivel joint

Series: SFL (1 ball race)
 SFH (2 ball races)
 Nominal bores: from 2" up to 10"
 Material: carbon steel, stainless steel
 Application: loading -/unloading arms
 Special feature: seal exchange without
 removing the balls



Split flange swivel joint incl. leakdetection port

Series: SFL (1 ball race)
 SFHL (2 ball races)
 Nominal bores: from 2" up to 10"
 Material: carbon steel, stainless steel
 Applications: oxygen hoses loading - and
 unloading arms
 Special feature: double mediumseal and seal
 exchange without removing the balls
 in accordance with BAM-Berlin
 for nitrogen
 Approval:



HTT Industrial Systems BV

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