Förhandsgranskning / Preview Standard withdrawn 2013-04-18.

Loose flange for welding ring with collar. Hot-dipped galvanised. Metric dimensions (ID) PN 25, PED

Introduction

This standard for loose flanges is based on strength calculations carried out on a complete flange connection with loose flange, welding ring with collar, gasket and screw joint. The loose flange standard is included as a part of the SSG standard for pipe classes.

The standard observes the values for the highest permitted pressure (P_c) and temperature (T_c) for the pressure classes PN 10-40 in accordance with the European harmonised flange standard EN 1092-1:2001, table 17, material group 14E0, see example section 2.3.1.

The standard satisfies the appropriate sections of the most important safety requirements in the European pressure vessel directive PED, 97/23/EC, implemented in Sweden through Arbetsmiljöverkets (*The Work Environment Authority*) requirement AFS 1999:4. The components in the standard are designed in accordance with the harmonised standard for metallic industrial piping, EN 13480.

The Notified Body 0409 Inspecta Sweden AB has verified the strength calculations in relation to PED requirements and EN 13480, and issued a statement of conformity, no. 04-130896-00.

The material in the loose flange as per EN 1092-1:2001, table 5a or the European harmonised material standard.

Note:
Calculations for the loose flange have been based on the flange material P265GH as per the EN standard.
If material with lower strength values is selected the loose flange CANNOT be used as per the standard.

The dimensions of the loose flange conform with EN 1092-1:2001, type 02, PN 25, with some exceptions, see section 3. The exceptions apply to the inner diameter and thickness of the loose flange for certain dimensions.

Dimensional information for loose flange, see section 3.

The loose flange is designed for a welding ring with collar as per SSG 7367E.

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