



Pipe support elements – sliding shoe for uninsulated and insulated pipelines with max. 80 mm insulation thickness

Information within brackets ([...]) in this document refers to local regulations.

Scope

This standard provides recommendations concerning sliding shoes for uninsulated and insulated pipelines with maximum 80 mm insulation thickness, used for sliding supports, guides and fixes made in accordance with [SSG 7005E](#) – Types 11A, 12A, 13A, 14A, 15A and 36A.

Changes since the previous edition

This edition differs from the previous edition in that:

- Section 2.2 – “Types and variants” has been added.
- The reference to the manufacturing requirements in section 3.1.4 – “Manufacturing requirements” now refers to the entire section 4 in [SSG 7000E](#).
- Clarification of the material on which the calculations are based on has been added in section 3.2.1 – “Calculation requirements”.
- The figures has been clarified and increased.
- Values for DN65 and DN450 has been added to “Table 2”.
- The welding dimension “a” has ben added in “Table 3”.
- Clarification regarding welding has been added to footnote 3 and 4 for types 11–15 in “Table 3”.

Contents

| | | |
|----------|--|----|
| 1 | Related documents | 2 |
| 2 | Designation | 2 |
| | 2.1 Example | 2 |
| | 2.2 Types and variants | 2 |
| 3 | Requirements | 2 |
| | 3.1 General | 2 |
| | 3.1.1 Description | 2 |
| | 3.1.2 Materials | 2 |
| | 3.1.3 Surface treatment | 2 |
| | 3.1.4 Manufacturing requirements | 2 |
| | 3.2 Design and forces | 3 |
| | 3.2.1 Calculation requirements | 8 |
| | 3.3 Dimensions and weight | 9 |
| 4 | References | 12 |



-
- 1 Related documents** [SSG 7000E](#) – *Anchorage and supports – design recommendations for pipelines*
[SSG 7005E](#) – *Anchorage and supports for pipelines – types*
[SSG 7075E](#) – *Pipe support elements – pipe clamp of steel – split type*
[SSG 7155E](#) – *Pipe support elements – retainer for sliding shoes*
- 2 Designation** **Sliding shoe SSG 7149E - Type - D_k** (angle "γ" - length "L")¹⁾
- 2.1 Example** **Sliding shoe SSG 7149E - 13AL- D_k 104**
- 2.2 Types and variants** **Type 11:** Simple sliding shoe
Type 12: Type 11 with retainer SSG 7155E
Type 13: Two-way steering
Type 14: Three-way steering
Type 15: Four-way steering
Variant A: For uninsulated, protective insulated and insulated pipelines with max. 80 mm insulation thickness
Variant K: Short sliding shoe
Variant L: Long sliding shoe
- 3 Requirements**
- 3.1 General**
- 3.1.1 Description** Sliding shoe made of pipe clamp [SSG 7075E](#), T-bar and angle bar.
The length tolerance for T- and angle bars must be adjusted during manufacture so that the screw in the clamp can be mounted.
- 3.1.2 Materials** Steel S235JR G2 in accordance with EN 10025.
- 3.1.3 Surface treatment** Hot dip galvanized in accordance with EN ISO 1461, for steel EN 10025 - S235JRG2.
- 3.1.4 Manufacturing requirements** Refer to [SSG 7000E](#), section 4.

1) Stated only in case of deviations from standard, refer to section "3.3"