

Pipe support elements – sliding shoe for insulated pipelines

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

Scope

This standard provides recommendations concerning sliding shoes for insulated pipelines, used for sliding support made in accordance with [SSG 7005E](#) – Types 21B and 22B.

Type 21 and type 22 are used instead of type 11 and type 12 where the axial force is negligible. Type 21 and type 22 are not used as a fixing point on vertical surfaces, or as supports closest to a bend. Type 21 and type 22 shall not be subjected to forces due to thermal expansion.

In uninsulated or protective insulated pipelines, sliding shoes according to [SSG 7149E](#) or [SSG 7150E](#) is used. When choosing sliding shoe, refer also to [SSG 7005E](#), section 2.3.

Contents

1	Related documents	1
2	Designation	2
2.1	Example 1	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 – forces	3
3.2.1	Calculation requirements	4
3.3	Dimensions and weight	5
3.3.1	Type 21	5
4	References	10

- 1 Related documents** [SSG 7000E](#) – Anchorages and supports – design recommendations for pipelines.
- [SSG 7005E](#) – Anchorages and supports for pipelines – types.
- [SSG 7077E](#) – Pipe support elements – pipe clamp of steel – plain type.
- [SSG 7155E](#) – Pipe support elements – retainer for sliding shoes.