

Stairs of steel – construction

Scope

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

This standard provides instructions on the design of steel stairs in industrial buildings with angles of inclination from 37.2° to 60.6°, which are designed for connection to concrete floor structures, walkways and steel service planes.

The document is to be used as a basis for engineering and procurement in order to provide the involved parties with information concerning conditions at an early stage, as well as design instructions.

Changes to the previous edition

This edition differs from the previous one in that:

- A check has been made to ensure that instructions and references are still relevant.
- Images have been adjusted and new ones have been added.
- The document structure have been changed to make it easier for the reader.
- Chapter 3 – "Dimensioning" has been updated to better meet the needs of the industry.

Contents

1	Related documents	2
2	Specification	2
2.1	Example 1	2
2.2	Example 2	2
2.3	Example 3	2
3	Dimensioning	2
4	Stair design	3
4.1	Tread width, stair width and stair height	4
5	Type of stairs	6
5.1	String	6
5.2	Treads	6
5.3	Upper attachment	7
5.4	Lower attachment	10
6	Surface treatment and colour	16
7	References	17