DIN EN ISO 6412-2:2018-06 (E)

Technical product documentation - Simplified representation of pipelines - Part 2: Isometric projection (ISO 6412-2:2017)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Coordinates ... **6**

5 Line conventions ... **7**

6 Deviations from the direction of coordinate axes ... **7**
6.1 General ... 7
6.2 Pipes in a vertical plane ... 7
6.3 Pipes in a horizontal plane ... 7
6.4 Pipes not parallel to any coordinate plane ... 8
6.5 Auxiliary projection planes ... 8

7 Dimensioning and special rules ... **9**
7.1 General ... 9
7.2 Diameters and wall thickness ... 9
7.3 Longitudinal and angular dimensions ... 9
7.4 Pipes with bends ... 9
7.5 Radii and angles of bends ... 9
7.6 Levels ... 10
7.7 Direction of slope ... 10
7.8 Positions of ends of pipes ... 11
7.9 Redundant dimensioning ... 11
7.10 Dimensioning for pipe-bending machines ... 11

8 Graphical symbols ... **11**
8.1 General ... 11
8.2 Examples of graphical symbols drawn with the isometric projection method ... 12
8.2.1 Valves ... 12
8.2.2 Transition pieces (cones) ... 12
8.2.3 Supports and hangers ... 13
8.2.4 Crossings ... 13
8.2.5 Permanent junctions ... 13
8.2.6 General connections ... 13
8.2.7 Flanges ... 14

9 Examples ... **14**

Bibliography ... **17**