DIN EN 12561-6:2011-10 (E)

Railway applications - Tank wagons - Part 6: Manholes

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Requirements 5
4.1 Threaded fasteners 5
4.2 Dimensions 5

5 End fitted manhole for gas tank wagons 5
5.1 Position of manhole 5
5.2 Ring and plate 6
5.2.1 General 6
5.2.2 Dimensions 6
5.2.3 Surface parameters 7
5.2.4 Tolerances 7
5.3 Gaskets 7

6 Top fitted manhole for gas tank wagons 8

7 Bolted manhole for liquid substances 11

8 Swing bolt manholes for liquid substances 11
8.1 General 11
8.2 General arrangement 11
8.3 Swing bolts 12
8.4 Wing nuts 13
8.5 Swing bolt hinge pin 14
8.6 Gasket 14

Bibliography 15

Figures Figure 1 -- Positioning of manhole 6

Figure 2 -- Dimensions of ring and plate 7

Figure 3 -- Gasket dimensions 8

Figure 4 -- Arrangement of valves on manlid 9

Figure 5 -- Dimensions of internal valve flange 10

Figure 6 -- Dimensions of recess in the manlid for internal valve flange 10

Figure 7 -- Manlid handle - minimum dimensions 11

Figure 8 -- Main dimensions for swing bolt manholes 12

Figure 9 -- Swing bolt 13

Figure 10 -- Wing nut 13

Figure 11 -- Gasket dimensions 14