

DIN 28084:2020-12 (E)

Support rings and ring supports on non-alloy and stainless steel apparatus - Dimensions, types, forms and maximum operating load

Contents		Page
Foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Symbols, units and descriptions	7
5	Design features, types and dimensions	7
5.1	General	7
5.2	Designs and types	7
5.3	Types of support of the support rings and ring supports	9
5.4	Design and types of bearing frame openings, support rings and ring supports	9
6	Dimensions and designation	10
6.1	General	10
6.2	Dimensions for bearing frame opening, ring support and support ring diameters	11
6.3	Support ring and ring support thicknesses	13
7	Material	24
8	Connecting lugs for earthing and potential equalization	24
9	Welds	25
10	Designation example	25
Bibliography		26
Figures Figure 1 -- Support ring welded to apparatus shell		8
Figure 2 -- Support ring welded to apparatus jacket		8
Figure 3 -- Support on eight support points		9
Figure 4 -- Dimensions for bearing frame opening, ring support and support ring diameters		12
Tables Table 1 -- Symbols, units and descriptions		7
Table 2 -- Design and types of support rings and ring supports		10
Table 3 -- Diameters of bearing frame openings, support rings and ring supports		13
Table 4 -- Guideline dimensions for support ring or ring support thicknesses for uniform support and nominal capacities (VN) of 630 litres to 16 000 litres		14
Table 5 -- Guideline values for support ring and ring support thicknesses for uniform support and nominal capacities (VN) of 20 000 litres to 40 000 litres		17
Table 6 -- Guideline values for support ring and ring support thicknesses with support on eight support points and nominal capacities (VN) of 630 litres to 16 000 litres		20
Table 7 -- Guideline values for support ring and ring support thicknesses with support on eight support points and nominal capacities (VN) of 20 000 litres to 40 000 litres		23