DIN 11865:2020-07 (E)

Stainless steel components for aseptic applications in the che mical and the pharmaceutical industries - Tees, elbows and reducers

Contents

Page

Figures Figure 1 -- Tees 9

Figure 2 -- Elbows 15

Figure 3 -- Reducers 17

Figure 4 -- Tolerances 25

Tables Table 1 -- Symbols 7

Table 2 -- Subscripts 7

as in ASME BPE:2019) 14

ASME BPE:2019) 17

ASME BPE:2019) 21

Table 12 -- Steel grades 23

Table 16 -- Internal and external surface texture 27

Table 17 -- Acceptance for visual testing of the internal surface 28

Table 18 -- Acceptance criteria for visual testing of the weld 29

Table 19 -- Additional acceptance criteria for visual testing of electropolished internal surfaces 30

Table 20 -- Scope of testing per test unit 31

Table B.1 -- Typical areas for the formation of ferrite and martensite 33

Table B.2 -- ferrite classes for materials 1.4404 and 1.4435 (DF classes) 33

Table C.1 -- Comparison of materials according to DIN EN 10088-1 and the Unified Numbering System (UNS) 34

Table D.1 -- Internal and external surface texture 35