

DIN 11865:2020-07 (E)

Stainless steel components for aseptic applications in the chemical 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