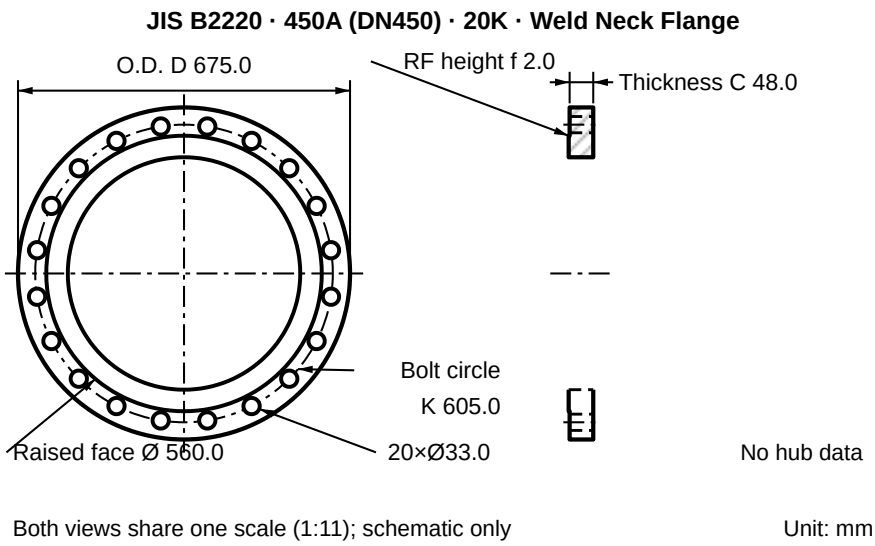
JIS B2220 · JIS B2220:2012

JIS B2220 20K 450A Weld Neck

DN450 · Weld Neck · Dimensions mm · Weight kg



Symbol	Item	Value
D	Outside diameter	675 mm
C	Flange thickness / blind thickness	48 mm
D2	Raised face diameter	560 mm
f	Raised face height	2 mm
K	Bolt circle diameter	605 mm
n	Number of bolt holes	20 pcs
d	Bolt hole diameter	33 mm
H	Hub length / overall length	134 mm

PRESSURE–TEMPERATURE RATINGS · 20K · GROUP 1.1

≤ 120 °C	220 °C	300 °C	350 °C
3.4 MPa	3.1 MPa	2.9 MPa	2.6 MPa

400 °C	425 °C
2.3 a) MPa	2.0 a) MPa

Source: Table 11 (pp. 15–16) — pressure-temperature rating, maximum working pressure in MPa; Group 1.1.

MATERIAL AND NOTES

Base material: SS400 / S25C (Japan, Korea, South-East Asia, marine and shipbuilding)

Rating: JIS K ratings are kgf/cm² nominal: 5K ≈ 0.5 MPa, 10K ≈ 1.0 MPa, 16K ≈ 1.6 MPa, 20K ≈ 2.0 MPa and 30K ≈ 3.0 MPa. The published maximum working pressure is higher or lower than the nominal figure depending on material group and division — for material…

Tolerances / marking: Tolerances, material groups and marking: JIS B2220:2012, including Table 11.

NOTES / SPECIAL REQUIREMENTS

Work order _____ Inspector _____ Date _____ Travels with the part; file after inspection

Source: JIS B2220:2012; dimensions transcribed from JIS B2220:2012, verified 2026-11-04. Sheet #1283.

This sheet is a factual compilation of published standards tables and is not a substitute for the standard itself. Verify dimensions and ratings against the edition named in your purchase specification before quoting, manufacturing or inspecting a critical part.

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