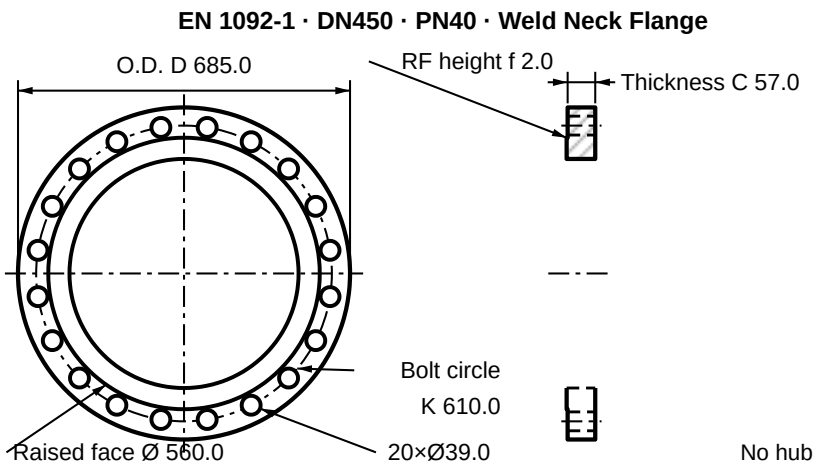
EN 1092-1 · EN 1092-1:2018

EN 1092-1 PN40 DN450 Weld Neck

DN450 · Weld Neck · Dimensions mm · Weight kg



Both views share one scale (1:11); schematic only

Unit: mm

Symbol	Item	Value
D	Outside diameter	685 mm
C	Flange thickness / blind thickness	57 mm
D2	Raised face diameter	560 mm
f	Raised face height	2 mm
K	Bolt circle diameter	610 mm
n	Number of bolt holes	20 pcs
d	Bolt hole diameter	39 mm

PRESSURE–TEMPERATURE RATINGS · PN40 · GROUP 3E0

RT °C	100 °C	150 °C	200 °C
40.0 bar	37.1 bar	35.2 bar	33.3 bar
250 °C	300 °C	350 °C	400 °C
30.4 bar	27.6 bar	25.7 bar	23.8 bar
450 °C			
13.1 bar			

Source: Tables G.2 to G.13 (pp. 113–124) — group 3E0 / P245GH (1.0352), vR ≤ 50 mm, all PN; Group 3E0.

MATERIAL AND NOTES

Base material: P250GH / S235JR (Europe, UK, Middle East, Africa, CIS projects)

Rating: EN 1092-1 uses PN (nominal pressure) ratings in bar: PN6, PN10, PN16, PN25 and PN40. PN16 means 16 bar nominal at ambient temperature for EN material group 1, derating with temperature per the EN 1092-1 tables. EN PN ratings are not equivalent to AS…

Tolerances / marking: Tolerances, material groups and marking: EN 1092-1:2018, including Annex G.

NOTES / SPECIAL REQUIREMENTS

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

Source: EN 1092-1:2018; dimensions transcribed from EN 1092-1:2018, verified 2026-11-04. Sheet #816.

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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