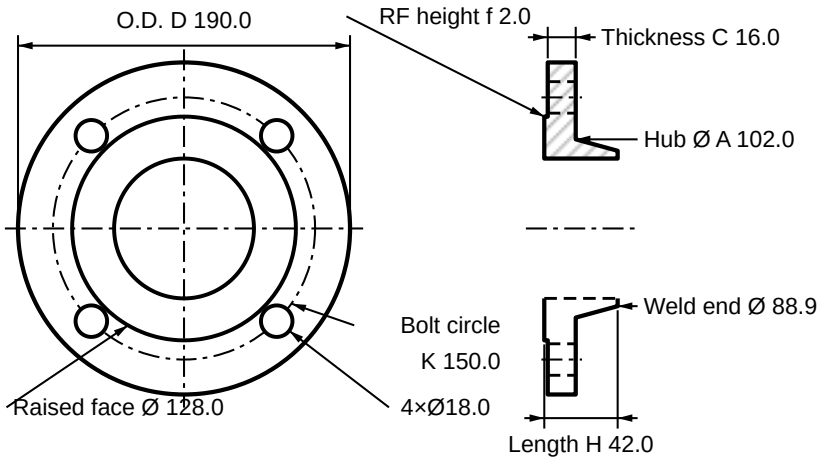
EN 1092-1 · EN 1092-1:2018

# EN 1092-1 PN6 DN80 Weld Neck

DN80 · Weld Neck · Dimensions mm · Weight kg

**EN 1092-1 · DN80 · PN6 · Weld Neck Flange**




Both views share one scale (1:3.0); schematic only

Unit: mm

| Symbol | Item | Value |
|---|---|---|
| D | Outside diameter | 190 mm |
| C | Flange thickness / blind thickness | 16 mm |
| D2 | Raised face diameter | 128 mm |
| f | Raised face height | 2 mm |
| K | Bolt circle diameter | 150 mm |
| n | Number of bolt holes | 4 pcs |
| d | Bolt hole diameter | 18 mm |
| A | Hub diameter | 102 mm |
| H | Hub length / overall length | 42 mm |
| B | Welding-end diameter | 88.9 mm |
| – | Approximate weight | 2.9 kg |

## PRESSURE–TEMPERATURE RATINGS · PN6 · GROUP 3E0

| RT °C | 100 °C | 150 °C | 200 °C |
|---|---|---|---|
| 6.0 bar | 5.5 bar | 5.2 bar | 5 bar |
| **250 °C** | **300 °C** | **350 °C** | **400 °C** |
| 4.5 bar | 4.1 bar | 3.8 bar | 3.5 bar |
| **450 °C** | | | |
| 1.9 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 #727.

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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