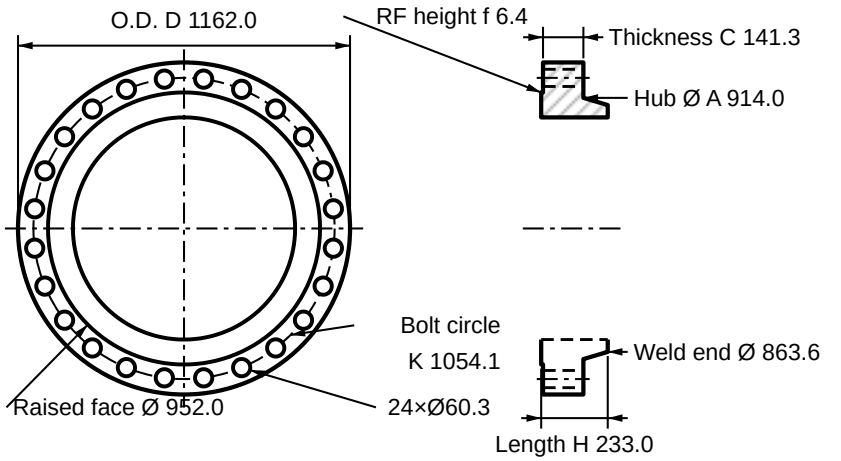
ASME B16.47 SERIES B · ASME B16.47-2025

# B16.47 B Class 600 34″ Weld Neck

DN850 · Weld Neck · Dimensions mm · Weight kg

**ASME B16.47 Series B · 34″ (DN850) · Class 600 · Weld Neck Flange**




Both views share one scale (1:18); schematic only

Unit: mm

| Symbol | Item | Value |
|---|---|---|
| D | Outside diameter | 1162 mm |
| C | Flange thickness / blind thickness | 141.3 mm |
| D2 | Raised face diameter | 952 mm |
| f | Raised face height | 6.4 mm |
| K | Bolt circle diameter | 1054.1 mm |
| n | Number of bolt holes | 24 pcs |
| d | Bolt hole diameter | 60.3 mm |
| A | Hub diameter | 914 mm |
| H | Hub length / overall length | 233 mm |
| B | Welding-end diameter | 863.6 mm |
| – | Approximate weight | 547 kg |

## PRESSURE–TEMPERATURE RATINGS · CLASS 600 · GROUP 1.1

| | | | |
|---|---|---|---|
| ≤ 38 °C<br>**102.0 bar** | 50 °C<br>**99.6 bar** | 100 °C<br>**93.4 bar** | 150 °C<br>**90.1 bar** |
| 200 °C<br>**87.6 bar** | 250 °C<br>**83.9 bar** | 300 °C<br>**79.6 bar** | 325 °C<br>**77.3 bar** |
| 350 °C<br>**75.3 bar** | 375 °C<br>**72.8 bar** | 400 °C<br>**69.3 bar** | 425 °C<br>**57.5 bar** |
| 450 °C<br>**45.9 bar** | 475 °C<br>**35.0 bar** | 500 °C<br>**23.0 bar** | 538 °C<br>**11.6 bar** |

Source: Table 3 (p. 14) — pressure–temperature ratings for Group 1.1 materials, SI units; Group 1.1.

## MATERIAL AND NOTES

**Base material:** ASTM A105 (North America, Middle East)

**Rating:** Series B follows the former API 605 dimensions, with a smaller outside diameter and a different bolt pattern from Series A. Ratings are ASME classes 150, 300, 400, 600 and 900, with allowable pressure from the B16.47 tables.

**Tolerances / marking:** Tolerances, material and marking: ASME B16.47-2025. Series B and Series A are not interchangeable.

## NOTES / SPECIAL REQUIREMENTS

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

**Source:** ASME B16.47-2025, Series B; dimensions transcribed from ASME B16.47-2025, verified 2026-11-04. Sheet #311.

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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