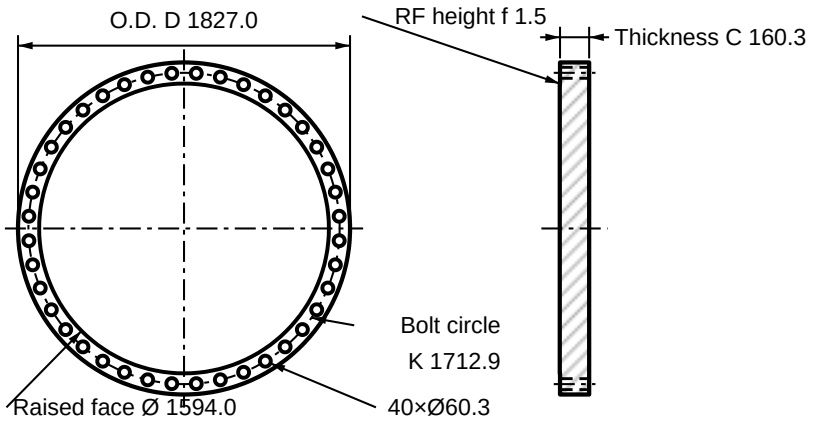
ASME B16.47 SERIES B · ASME B16.47-2025

# B16.47 B Class 300 58″ Blind

DN1450 · Blind · Dimensions mm · Weight kg

**ASME B16.47 Series B · 58″ (DN1450) · Class 300 · Blind Flange**




Both views share one scale (1:29); schematic only

Unit: mm

| Symbol | Item | Value |
|---|---|---|
| D | Outside diameter | 1827 mm |
| C | Flange thickness / blind thickness | 160.3 mm |
| D2 | Raised face diameter | 1594 mm |
| f | Raised face height | 1.5 mm |
| K | Bolt circle diameter | 1712.9 mm |
| n | Number of bolt holes | 40 pcs |
| d | Bolt hole diameter | 60.3 mm |
| — | Approximate weight | 3333 kg |

## PRESSURE–TEMPERATURE RATINGS · CLASS 300 · GROUP 1.1

| | | | |
|---|---|---|---|
| ≤ 38 °C<br>51.0 bar | 50 °C<br>49.8 bar | 100 °C<br>46.7 bar | 150 °C<br>45.1 bar |
| 200 °C<br>43.8 bar | 250 °C<br>42.0 bar | 300 °C<br>39.9 bar | 325 °C<br>38.7 bar |
| 350 °C<br>37.6 bar | 375 °C<br>36.4 bar | 400 °C<br>34.6 bar | 425 °C<br>28.7 bar |
| 450 °C<br>23.0 bar | 475 °C<br>17.5 bar | 500 °C<br>11.5 bar | 538 °C<br>5.8 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 #203.

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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