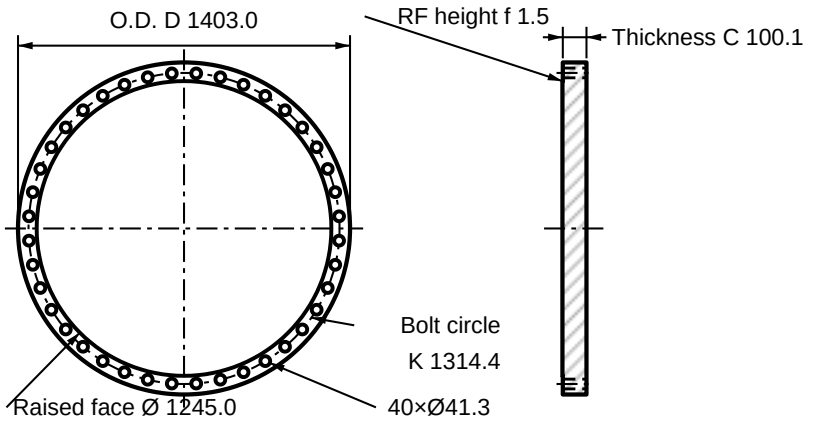
ASME B16.47 SERIES A · ASME B16.47-2025

# B16.47 A Class 150 44″ Blind

DN1100 · Blind · Dimensions mm · Weight kg

**ASME B16.47 Series A · 44″ (DN1100) · Class 150 · Blind Flange**




Both views share one scale (1:22); schematic only

Unit: mm

| Symbol | Item | Value |
|---|---|---|
| D | Outside diameter | 1403 mm |
| C | Flange thickness / blind thickness | 100.1 mm |
| D2 | Raised face diameter | 1245 mm |
| f | Raised face height | 1.5 mm |
| K | Bolt circle diameter | 1314.4 mm |
| n | Number of bolt holes | 40 pcs |
| d | Bolt hole diameter | 41.3 mm |
| — | Approximate weight | 1232 kg |

## PRESSURE–TEMPERATURE RATINGS · CLASS 150 · GROUP 1.1

| | | | |
|---|---|---|---|
| ≤ 38 °C<br>19.6 bar | 50 °C<br>19.1 bar | 100 °C<br>17.7 bar | 150 °C<br>15.8 bar |
| 200 °C<br>13.8 bar | 250 °C<br>12.1 bar | 300 °C<br>10.2 bar | 325 °C<br>9.3 bar |
| 350 °C<br>8.4 bar | 375 °C<br>7.4 bar | 400 °C<br>6.5 bar | 425 °C<br>5.5 bar |
| 450 °C<br>4.6 bar | 475 °C<br>3.7 bar | 500 °C<br>2.8 bar | 538 °C<br>1.4 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 A follows the former MSS SP-44 dimensions. Ratings are ASME classes 150, 300, 400, 600 and 900, with allowable pressures read from the B16.47 pressure–temperature tables for the material group and design temperature.

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

## NOTES / SPECIAL REQUIREMENTS

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

**Source:** ASME B16.47-2025, Series A; dimensions transcribed from ASME B16.47-2025, verified 2026-11-04. Sheet #10.

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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