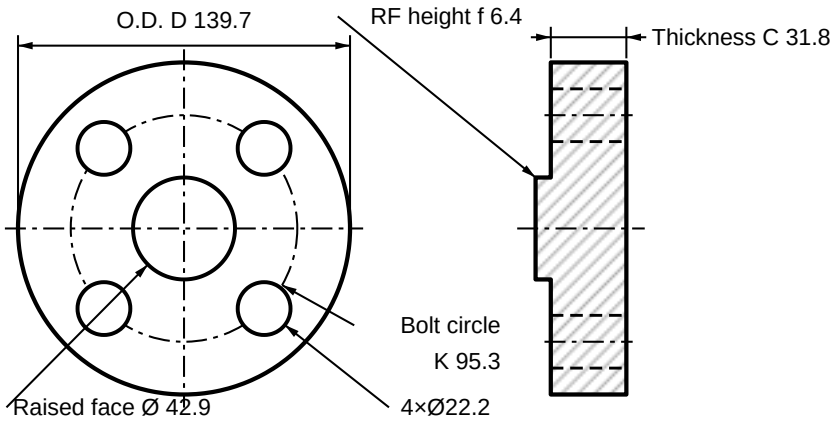
ASME B16.5 · ASME B16.5-2025

B16.5 Class 2500 3/4″ Blind

DN20 · Blind · Dimensions mm · Weight kg

ASME B16.5 · 3/4″ (DN20) · Class 2500 · Blind Flange



Both views share one scale (1:2.2); schematic only

Unit: mm

Symbol	Item	Value
D	Outside diameter	139.7 mm
C	Flange thickness / blind thickness	31.8 mm
D2	Raised face diameter	42.9 mm
f	Raised face height	6.4 mm
K	Bolt circle diameter	95.3 mm
n	Number of bolt holes	4 pcs
d	Bolt hole diameter	22.2 mm
—	Approximate weight	3.6 kg

PRESSURE–TEMPERATURE RATINGS · CLASS 2500 · GROUP 1.1

≤ 38 °C	50 °C	100 °C	150 °C
425.1 bar	414.9 bar	389.1 bar	375.4 bar
200 °C	250 °C	300 °C	325 °C
365.1 bar	349.7 bar	332.6 bar	322.3 bar
350 °C	375 °C	400 °C	425 °C
313.7 bar	303.4 bar	288.6 bar	239.4 bar
450 °C	475 °C	500 °C	538 °C
191.4 bar	145.7 bar	96.0 bar	48.4 bar

Source: Table 2-1.1 (printed p. 25) — pressure–temperature ratings for Group 1.1 materials, SI units; Group 1.1.

MATERIAL AND NOTES

Base material: ASTM A105 (North America, Middle East, South-East Asia)

Rating: ASME classes are not fixed pressures. For ASTM A105 (material group 1.1) the ASME B16.5-2025 ambient rating is 285 psi (19.6 bar) at Class 150, 740 psi (51.0 bar) at Class 300, 985 psi (68.0 bar) at Class 400, 1,480 psi (102.0 bar) at Class 600, 2,2…

Tolerances / marking: Tolerances, facing finish, material and marking requirements: ASME B16.5-2025 Sections 6 and 7.

NOTES / SPECIAL REQUIREMENTS

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

Source: ASME B16.5-2025; dimensions transcribed from ASME B16.5-2025, verified 2026-11-04. Sheet #706.

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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