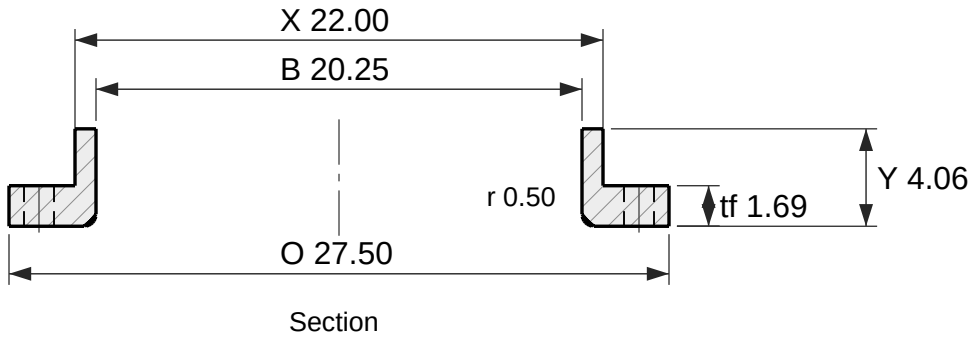
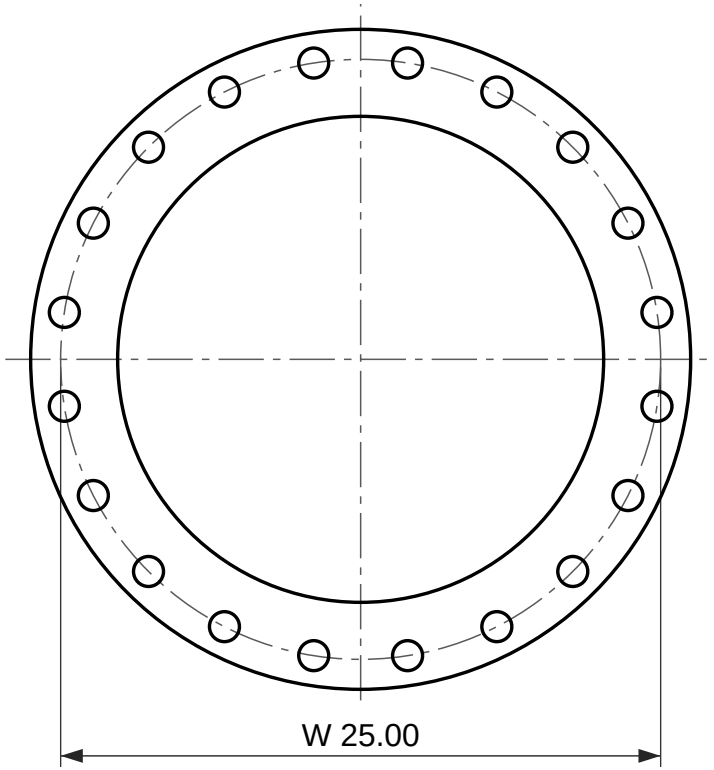
**Approx. weight**

| Material | lb | kg |
|---|---|---|
| Carbon steel | 155 | 70.2 |
| Stainless steel 304 and 304L | 156 | 70.7 |
| Stainless steel 316 and 316L | 158 | 71.6 |

Densities 7.85, 7.9 and 8.0 g/cm3.
Calculated from the dimensions as the standard gives them, with no allowance for tolerance.




Section




20 holes Ø1.25

Face view

# Lap joint flange, ASME B16.5 Class 150

NPS 20 (DN 500)

Dimensions per ASME B16.5-2025, inches and millimetres as the standard's own tables give them.
Lap joint flange: no raised face; it seats on the stub end lap.
Reference drawing. The purchase order and ASME B16.5 govern. Check the latest edition.
Generated at rajendradatacenter.us/flanges/lap-joint/

| Dimension | in | mm |
|---|---|---|
| O Outside diameter | 27.50 | 698 |
| tf Flange thickness | 1.69 | 42.9 |
| Y Length through hub | 4.06 | 103 |
| X Hub diameter at base | 22.00 | 559 |
| B Bore | 20.25 | 514.4 |
| r Corner radius of bore | 0.50 | 13 |
| W Bolt circle diameter | 25.00 | 635 |
| h Bolt holes, 20 off | 1.25 | 31.8 |

20 stud bolts of 1-1/8 in; holes 1.25 in (31.8 mm)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.us
Drawing RIC-B165-LJ150-20
Scale 1:8 on Letter
Units: inches (mm)
Date 2026-11-22
Quote: rajendradatacenter.us/rfq/
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