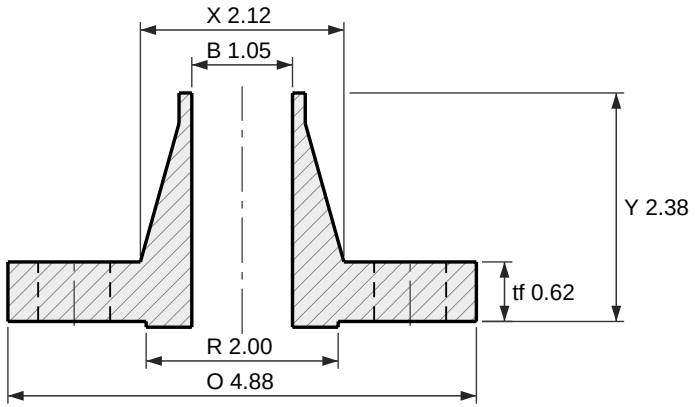
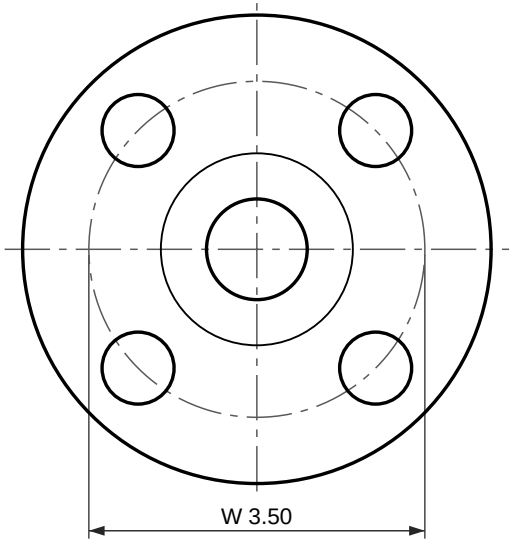
### Bore B and approx. weight by pipe schedule

| Schedule | B, in (mm) | CS lb (kg) | SS lb (kg) |
|---|---|---|---|
| Sch 5S / Sch 5 | 1.185 (30.1) | 3.4 (1.5) | 3.4 (1.6) |
| Sch 10S / Sch 10 | 1.097 (27.9) | 3.5 (1.6) | 3.5 (1.6) |
| Sch 30 | 1.087 (27.6) | 3.5 (1.6) | 3.5 (1.6) |
| Sch 40S / STD / Sch 40 | 1.049 (26.6) | 3.5 (1.6) | 3.6 (1.6) |
| Sch 80S / XS / Sch 80 | 0.957 (24.3) | 3.6 (1.6) | 3.7 (1.7) |
| Sch 160 | 0.815 (20.7) | 3.8 (1.7) | 3.8 (1.7) |
| XXS | 0.599 (15.2) | 3.9 (1.8) | 4.0 (1.8) |

B = A - 2 x pipe wall (ASME B36.10M and B36.19M).
CS carbon steel, 7.85 g/cm3. SS stainless steel 316L, 8.0 g/cm3; 304L (7.9 g/cm3) weighs about 1% less.
Calculated from the dimensions as the standard gives them, with no allowance for tolerance.



Section



4 holes Ø0.75
Face view

# Weld neck flange, ASME B16.5 Class 300 RF

NPS 1 (DN 25)

Dimensions per ASME B16.5-2025, inches and millimetres as the standard's own tables give them.
tf and Y are the ASME B16.5 dimension, measured without the 0.06 in (1.5 mm) raised face; the tf + f and Y + f rows are the same flange measured over the face, which is what most catalogs print.
Bore B to suit the pipe schedule: see the table. Other walls to order.
Reference drawing. The purchase order and ASME B16.5 govern. Check the latest edition.
Generated at rajendradatacenter.us/flanges/weld-neck/

| Dimension | in | mm |
|---|---|---|
| O Outside diameter | 4.88 | 124 |
| R Raised face diameter | 2.00 | 50.8 |
| f Raised face height | 0.06 | 1.5 |
| tf Thickness (min), without raised face | 0.62 | 15.7 |
| tf + f Thickness over the raised face | 0.68 | 17.2 |
| Y Length through hub, without raised face | 2.38 | 60 |
| Y + f Length through hub, over the raised face | 2.44 | 61.5 |
| X Hub diameter at base | 2.12 | 54 |
| A Hub diameter at weld end (pipe OD) | 1.32 | 33.5 |
| W Bolt circle diameter | 3.50 | 88.9 |
| h Bolt holes, 4 off | 0.75 | 19.1 |

4 stud bolts of 5/8 in; holes 0.75 in (19.1 mm)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.us
Drawing RIC-B165-WN300-1
Scale 1:2 on Letter
Units: inches (mm)
Date 2026-11-22
Quote: rajendradatacenter.us/rfq/
sales@rajendradatacenter.com
+91 74338 71355