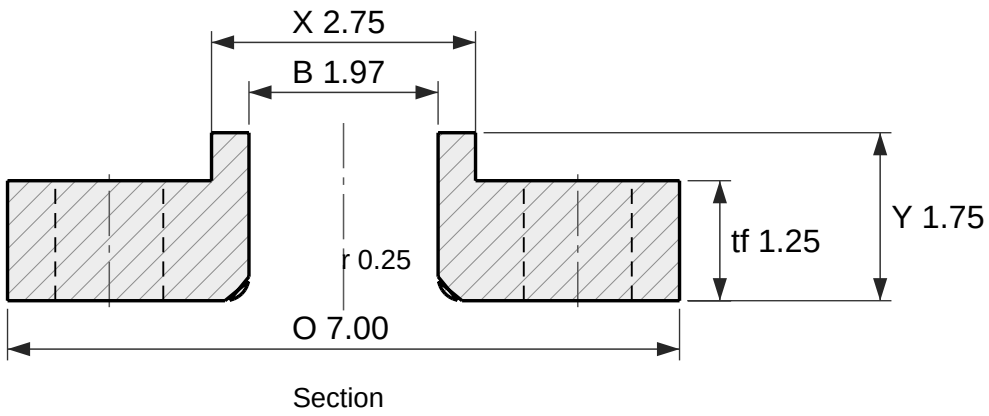
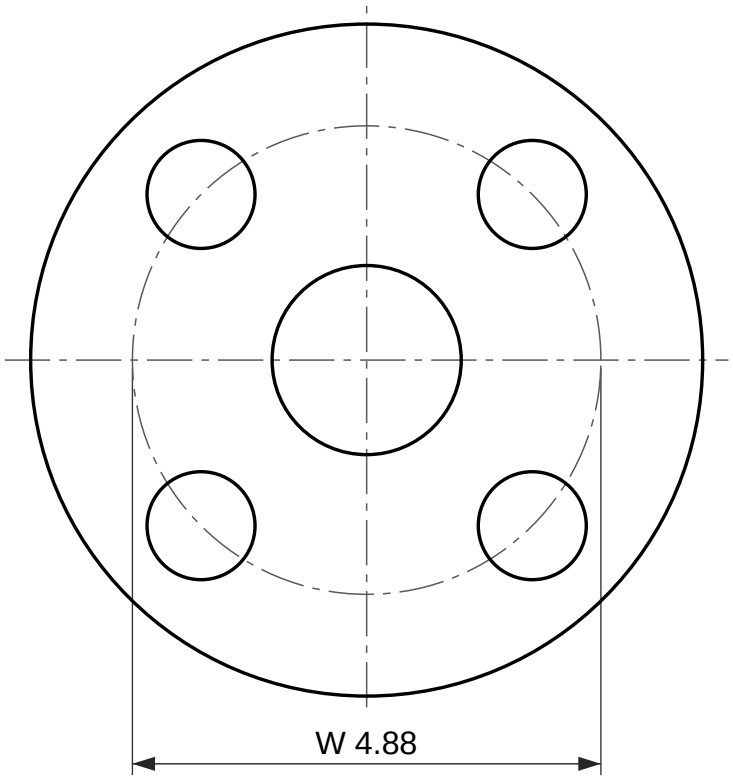
Approx. weight

Material	lb	kg
Carbon steel	11.5	5.2
Stainless steel 304 and 304L	11.6	5.2
Stainless steel 316 and 316L	11.7	5.3

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



4 holes Ø1.12

Face view

Lap joint flange, ASME B16.5 Class 900

NPS 1-1/2 (DN 40)

Dimensions per ASME B16.5-2025, inches and millimetres as the standard's own tables give them. Note 5 of the Class 900 table: use the Class 1500 dimensions in this size.
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/high-pressure/

Dimension	in	mm
O Outside diameter	7.00	178
tf Flange thickness	1.25	31.8
Y Length through hub	1.75	44
X Hub diameter at base	2.75	70
B Bore	1.97	50
r Corner radius of bore	0.25	6
W Bolt circle diameter	4.88	124
h Bolt holes, 4 off	1.12	28.6

4 stud bolts of 1 in; holes 1.12 in (28.6 mm)

RAJENDRA INDUSTRIAL CORPORATION

rajendradatacenter.us
Drawing RIC-B165-LJ900-1.5
Scale 1:2 on Letter
Units: inches (mm)
Date 2026-11-22
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