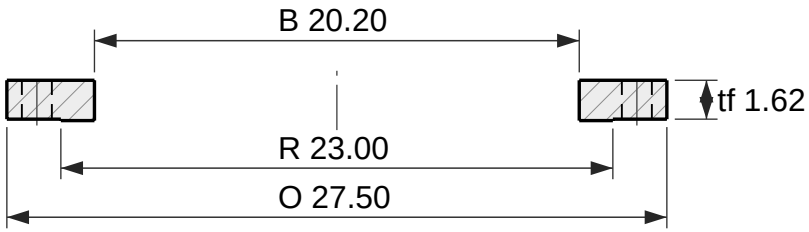
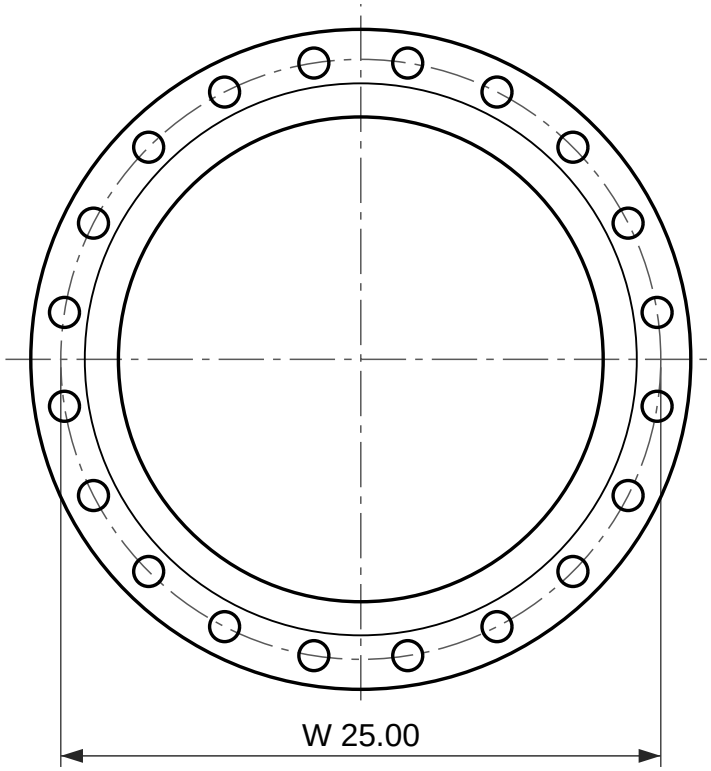
Approx. weight

Material	lb	kg
Carbon steel	116	52.6
Stainless steel 304 and 304L	117	52.9
Stainless steel 316 and 316L	118	53.6

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

Slip-on flange, Class 150 RF, ASME B16.5 drilling

NPS 20 (DN 500)

ASME B16.5 slip-on flanges have a hub. This flange keeps the B16.5 outside diameter, drilling, raised face and slip-on bore without it.
Thickness shown is the B16.5 minimum; confirm the thickness for a flange without a hub in the order.
tf is measured without the 0.06 in (1.5 mm) raised face; the tf + f row is the same flange measured over the face.
Reference drawing. The purchase order governs.
Generated at rajendradatacenter.us/flanges/slip-on/

Dimension	in	mm
O Outside diameter	27.50	698
R Raised face diameter	23.00	584.2
f Raised face height	0.06	1.5
tf Thickness (min), without raised face	1.62	41.1
tf + f Thickness over the raised face	1.68	42.6
B Bore	20.20	513.1
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-PL150-20
Scale 1:8 on Letter
Units: inches (mm)
Date 2026-11-22
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