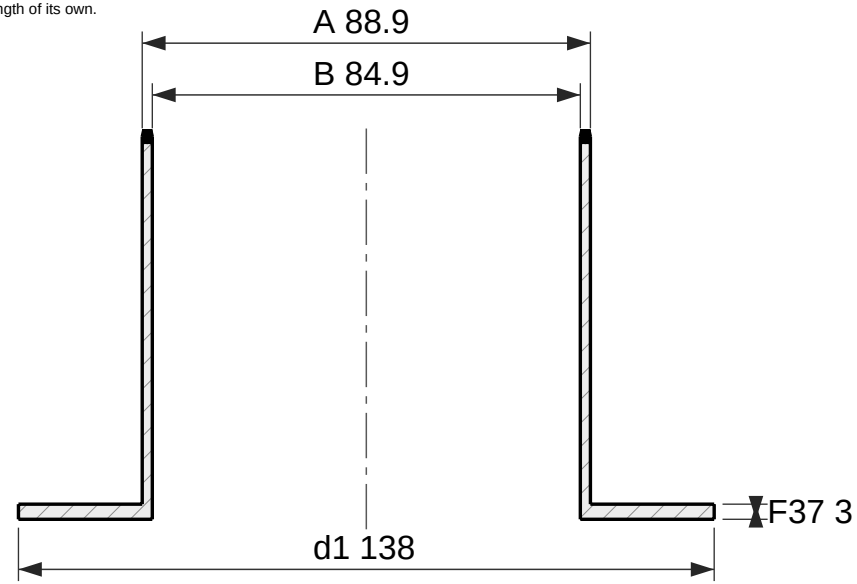
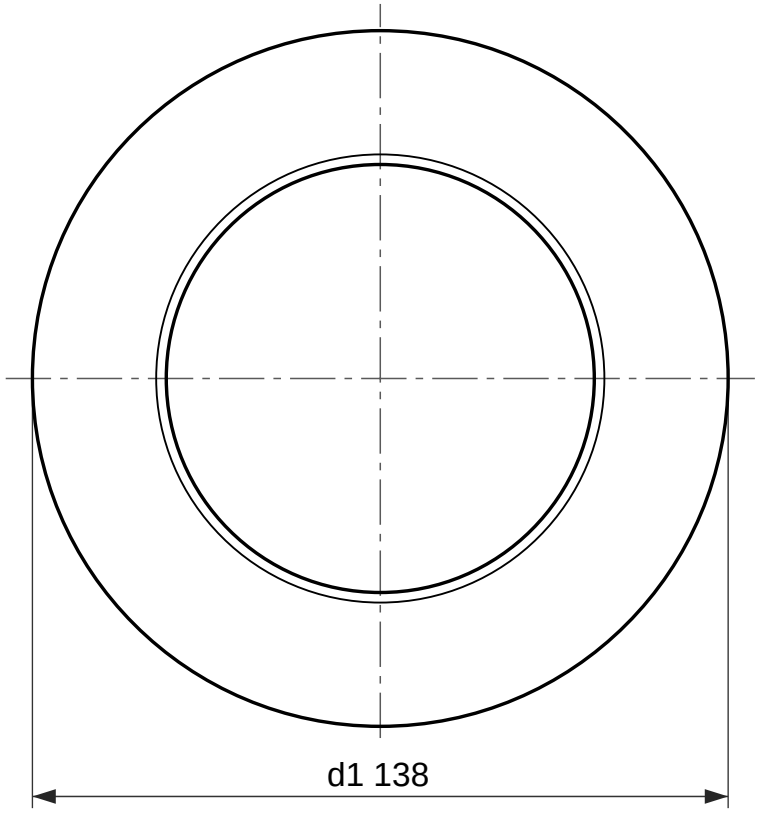
Approx. weight

Material	kg	lb
Carbon steel	0.5	1.2
Stainless steel 304 and 304L	0.5	1.2
Stainless steel 316 and 316L	0.5	1.2

Densities 7.85, 7.9 and 8.0 g/cm3.
Calculated from the nominal dimensions, to the break shown: EN 1092-1 gives this type no length of its own.



Section



Face view

Lapped pipe end, EN 1092-1 type 33, PN 16

DN 80, neck 88.9 × 2

Designation: Collar EN 1092-1/33/DN 80/PN 16
Dimensions per EN 1092-1:2018, Table 13 (PN 16) and Table 8 (facing) and Annex A (wall thickness); tolerances per EN 1092-1.
Collar for a type 02 loose plate flange, which bolts over it. d1 is the lap diameter and the joint face.
5.7.2.1 does not ask for a machined jointing face on this type.
A lapped pipe end is formed from the pipe itself, so the standard gives it no length and no thickness of its own beyond d1 and a thickness at least that of a type 37 collar. Drawn to a break.
EN 1092-1 gives PN 16 the same dimensions as PN 10 in DN 80; only the marking differs.
Reference drawing. The purchase order and EN 1092-1 govern.
Generated at rajendradatacenter.com/flanges/en-1092-1/

Dimension	mm	in
d1 Collar outside diameter	138	5.43
F37 Collar thickness	3	0.12
A Neck outside diameter (pipe OD)	88.9	3.50
S Neck wall thickness (min)	2	0.08
B Bore, A - 2S	84.9	3.34

RAJENDRA INDUSTRIAL CORPORATION
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Drawing RIC-EN1092-33-PN16-DN80
Scale 1:1.5 on A4
Units: mm (inches)
Date 2026-11-22
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