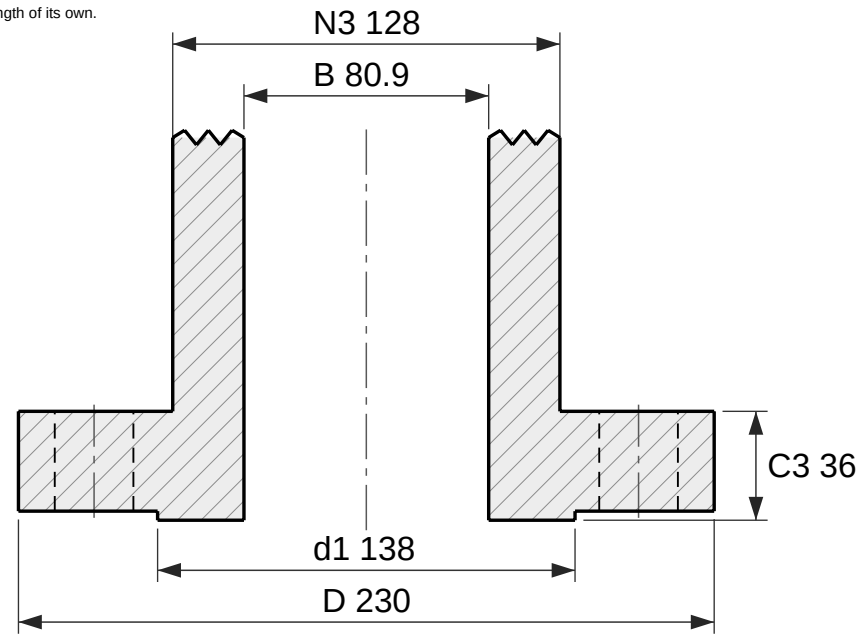
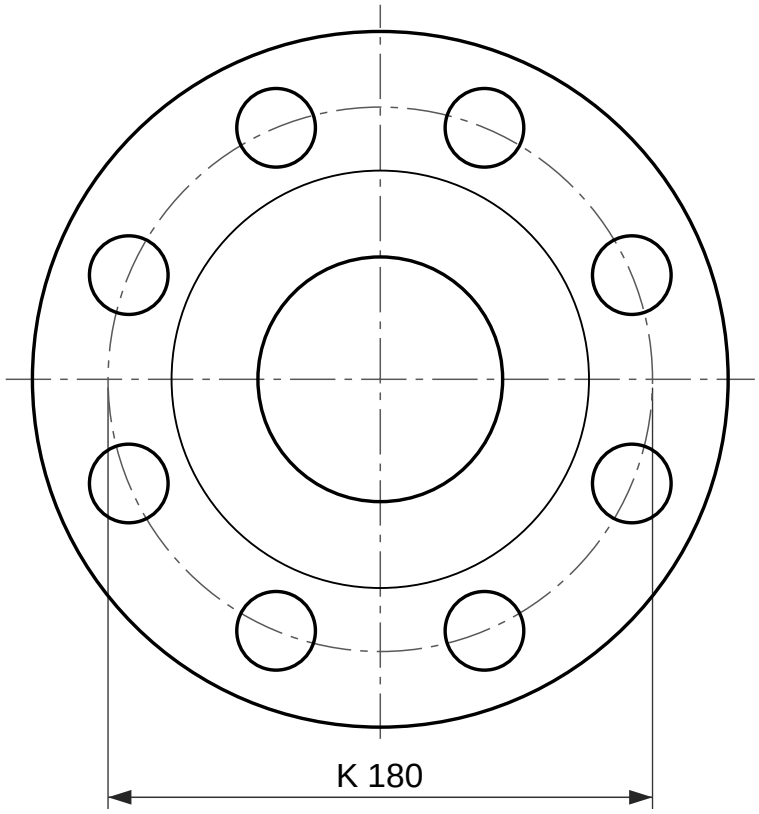
Approx. weight

Material	kg	lb
Carbon steel	14.1	31.0
Stainless steel 304 and 304L	14.1	31.2
Stainless steel 316 and 316L	14.3	31.6

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



8 holes Ø26

Face view

Integral flange, EN 1092-1 type 21, PN 100

DN 80, facing type B1 (raised face)

Designation: Flange EN 1092-1/21/B1/DN 80/PN 100
Dimensions per EN 1092-1:2018, Table 17 (PN 100) and Table 8 (facing) and Annex A (wall thickness); tolerances per EN 1092-1.
C3 includes the raised face f1, as EN 1092-1 measures it.
An integral flange is machined into the vessel, valve or fitting it belongs to, so EN 1092-1 gives it no length and no bore: both come from that component. The neck is drawn to a break.
Reference drawing. The purchase order and EN 1092-1 govern.
Generated at rajendradatacenter.com/flanges/en-1092-1/

Dimension	mm	in
D Outside diameter	230	9.06
d1 Raised face diameter	138	5.43
f1 Raised face height	3	0.12
C3 Flange thickness, raised face included	36	1.42
N3 Hub diameter at back face	128	5.04
B Bore: EN 1092-1 does not specify it for this ty	80.9	3.19
K Bolt circle diameter	180	7.09
L Bolt holes, 8 off	26	1.02

8 bolts M24; holes 26 mm (1.02 in)

RAJENDRA INDUSTRIAL CORPORATION

rajendradatacenter.com
Drawing RIC-EN1092-21-PN100-DN80-B1
Scale 1:2.5 on A4
Units: mm (inches)
Date 2026-11-22
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