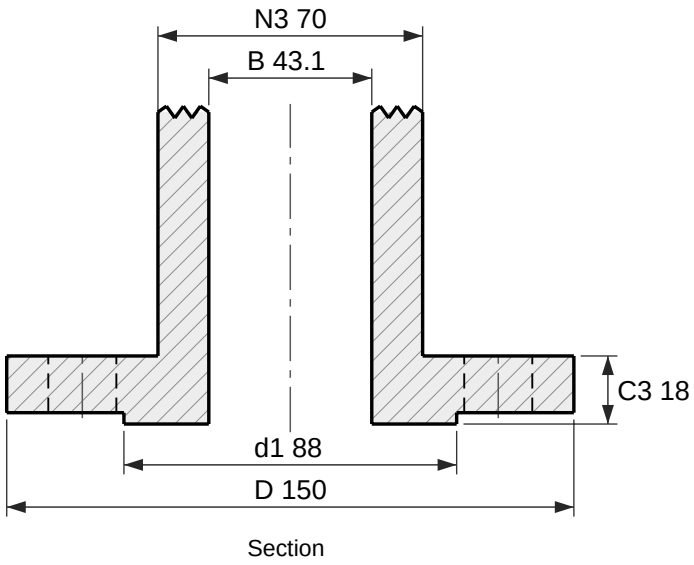
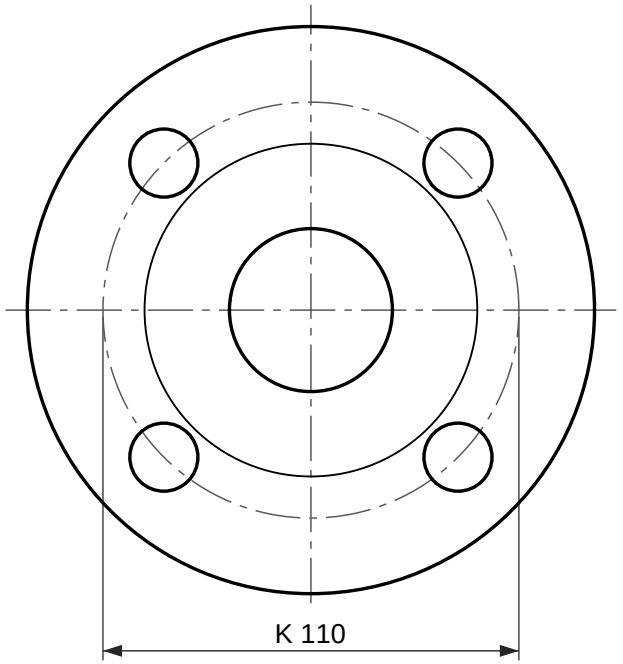
Approx. weight

Material	kg	lb
Carbon steel	3.1	6.9
Stainless steel 304 and 304L	3.1	6.9
Stainless steel 316 and 316L	3.2	7.0

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



4 holes Ø18
Face view

Integral flange, EN 1092-1 type 21, PN 40

DN 40, facing type B1 (raised face)

Designation: Flange EN 1092-1/21/B1/DN 40/PN 40
Dimensions per EN 1092-1:2018, Table 15 (PN 40) 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.
EN 1092-1 gives PN 40 the same dimensions as PN 10, PN 16, PN 25 in DN 40; 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
D Outside diameter	150	5.91
d1 Raised face diameter	88	3.46
f1 Raised face height	3	0.12
C3 Flange thickness, raised face included	18	0.71
N3 Hub diameter at back face	70	2.76
B Bore: EN 1092-1 does not specify it for this ty	43.1	1.70
K Bolt circle diameter	110	4.33
L Bolt holes, 4 off	18	0.71

4 bolts M16; holes 18 mm (0.71 in)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.com
Drawing RIC-EN1092-21-PN40-DN40-B1
Scale 1:2 on A4
Units: mm (inches)
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