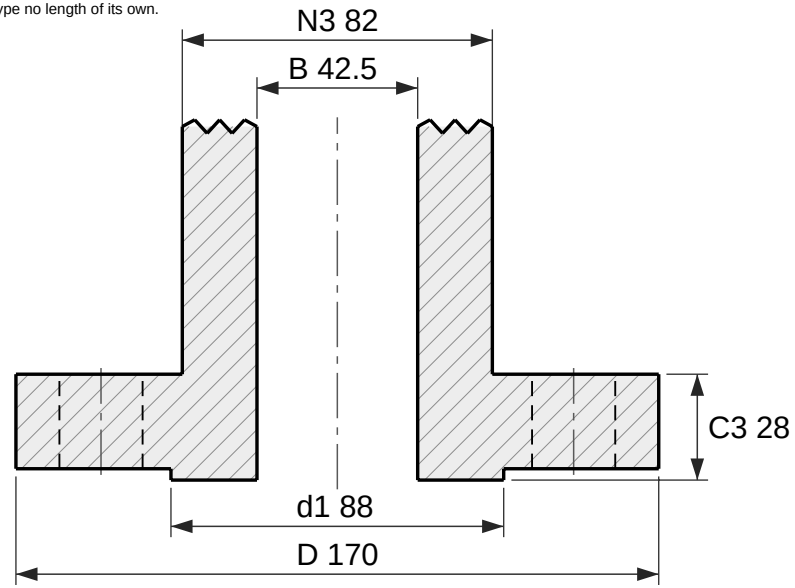
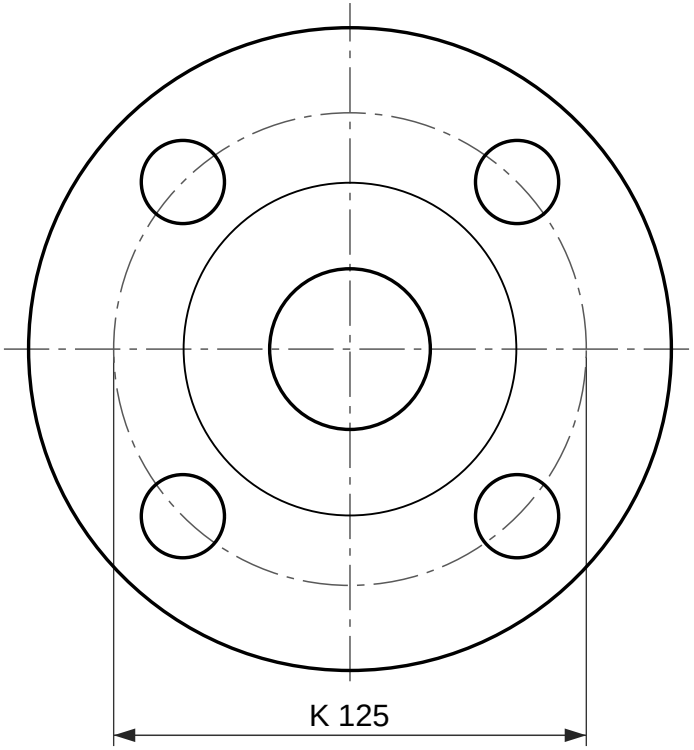
Approx. weight

Material	kg	lb
Carbon steel	6.0	13.2
Stainless steel 304 and 304L	6.0	13.3
Stainless steel 316 and 316L	6.1	13.4

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 Ø22

Face view

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

DN 40, facing type B1 (raised face)

Designation: Flange EN 1092-1/21/B1/DN 40/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.
EN 1092-1 gives PN 100 the same dimensions as PN 63 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	170	6.69
d1 Raised face diameter	88	3.46
f1 Raised face height	3	0.12
C3 Flange thickness, raised face included	28	1.10
N3 Hub diameter at back face	82	3.23
B Bore: EN 1092-1 does not specify it for this ty	42.5	1.67
K Bolt circle diameter	125	4.92
L Bolt holes, 4 off	22	0.87

4 bolts M20; holes 22 mm (0.87 in)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.com
Drawing RIC-EN1092-21-PN100-DN40-B1
Scale 1:2 on A4
Units: mm (inches)
Date 2026-11-22
Quote: rajendradatacenter.com/rfq/
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