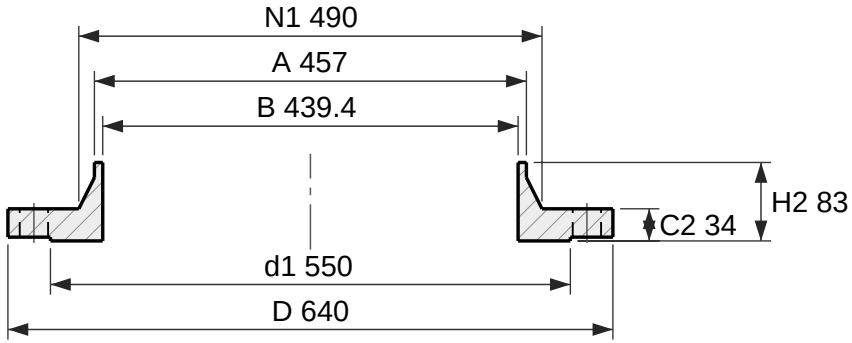
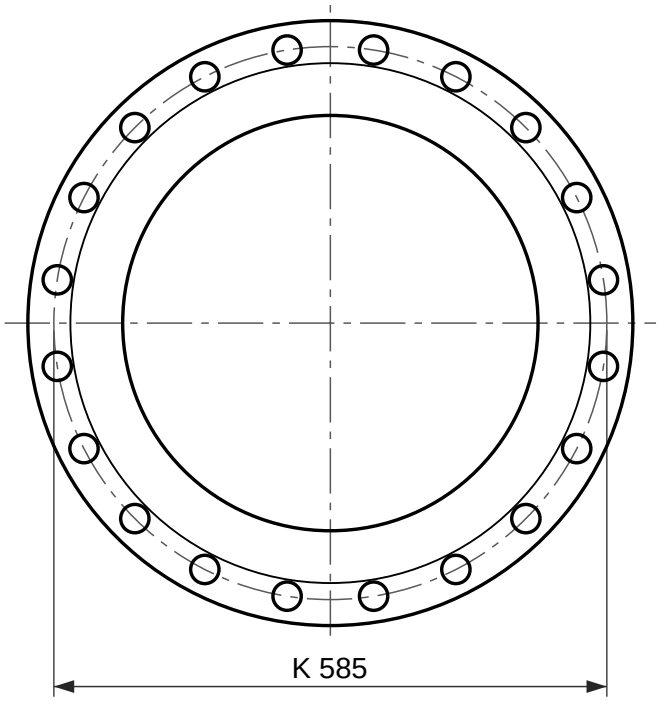
Approx. weight

Material	kg	lb
Carbon steel	47.3	104
Stainless steel 304 and 304L	47.6	105
Stainless steel 316 and 316L	48.2	106

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 Ø30

Face view

Weld neck flange, EN 1092-1 type 11, PN 16

DN 450, facing type B1 (raised face), neck 457 × 8.8

Designation: Flange EN 1092-1/11/B1/DN 450/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.
C2 and H2 include the raised face f1, as EN 1092-1 measures it.
S is the minimum neck wall, from Annex A Table A.1; drawn at 8.8 mm. State the pipe wall in the order (for example DN 450 × 8.8).
Reference drawing. The purchase order and EN 1092-1 govern.
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Dimension	mm	in
D Outside diameter	640	25.20
d1 Raised face diameter	550	21.65
f1 Raised face height	4	0.16
C2 Flange thickness, raised face included	34	1.34
H2 Length through hub, raised face included	83	3.27
N1 Hub diameter at back face	490	19.29
A Neck outside diameter (pipe OD)	457	17.99
S Neck wall thickness (min)	8.8	0.35
B Bore, A - 2S	439.4	17.30
K Bolt circle diameter	585	23.03
L Bolt holes, 20 off	30	1.18

20 bolts M27; holes 30 mm (1.18 in)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.com
Drawing RIC-EN1092-11-PN16-DN450-B1
Scale 1:8 on A4
Units: mm (inches)
Date 2026-11-22
Quote: rajendradatacenter.com/rfq/
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