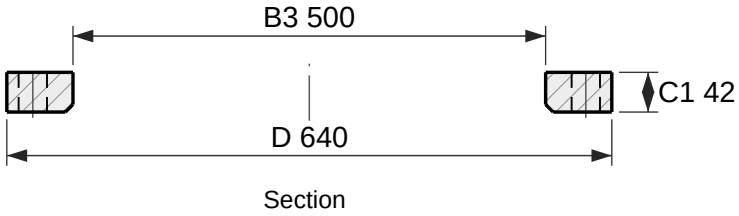
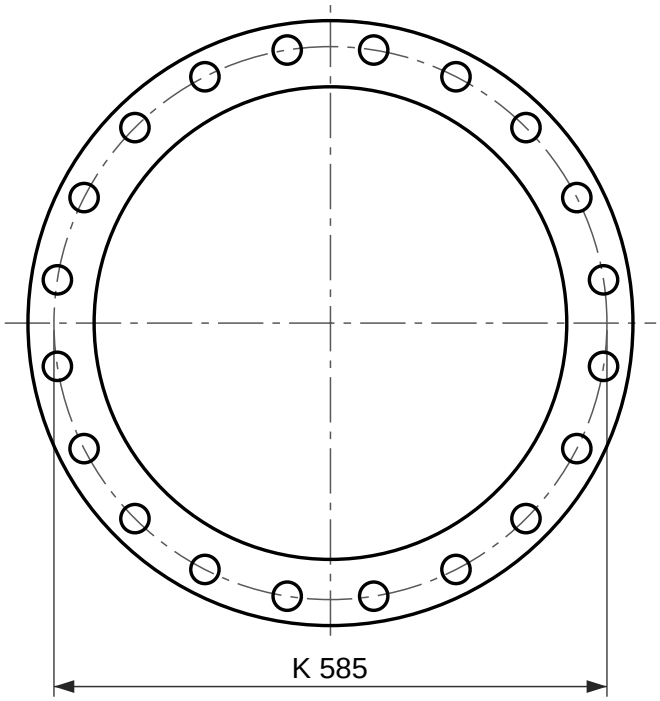
Approx. weight

Material	kg	lb
Carbon steel	36.3	80.0
Stainless steel 304 and 304L	36.5	80.5
Stainless steel 316 and 316L	37.0	81.5

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



Face view

Loose plate flange for a weld-neck collar, EN 1092-1 type 04, PN 16

DN 450, for a collar type 34

Designation: Flange EN 1092-1/04/DN 450/PN 16
Dimensions per EN 1092-1:2018, Table 13 (PN 16) and Table 8 (facing); tolerances per EN 1092-1.
A loose plate flange turns on a collar, EN 1092-1 type 34, which is welded to the pipe and is not drawn here. The collar carries the joint face.
Reference drawing. The purchase order and EN 1092-1 govern.
Generated at rajendradatacenter.com/flanges/en-1092-1/

Dimension	mm	in
D Outside diameter	640	25.20
C1 Flange thickness	42	1.65
B3 Bore	500	19.69
E Chamfer at the bore	8	0.31
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-EN1092-04-PN16-DN450
Scale 1:8 on A4
Units: mm (inches)
Date 2026-11-22
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