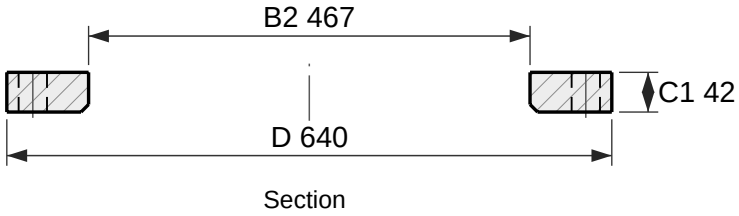
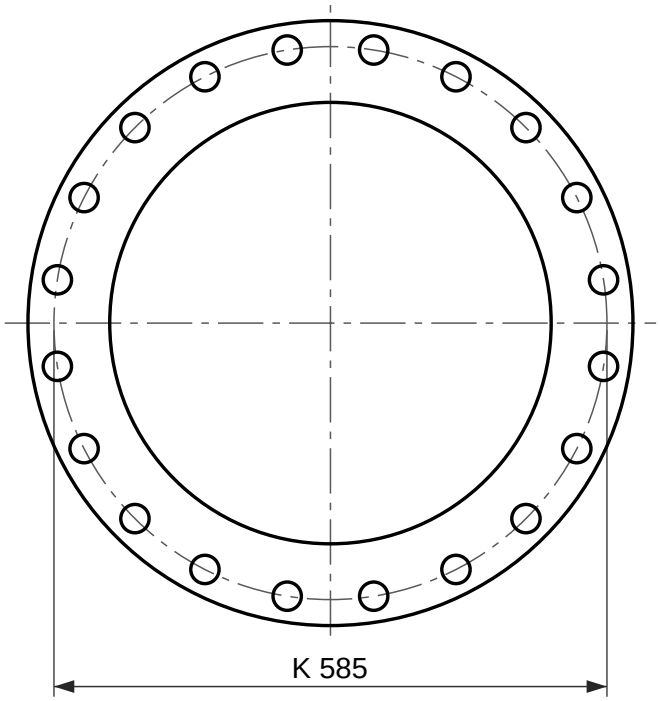
Approx. weight

Material	kg	lb
Carbon steel	44.6	98.2
Stainless steel 304 and 304L	44.8	98.9
Stainless steel 316 and 316L	45.4	100

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, EN 1092-1 type 02, PN 16

DN 450, for a collar type 32, 33, 35, 36 or 37

Designation: Flange EN 1092-1/02/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 32, 33, 35, 36 or 37, 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
B2 Bore	467	18.39
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-EN1092-02-PN16-DN450
Scale 1:8 on A4
Units: mm (inches)
Date 2026-11-22
Quote: rajendradatacenter.com/rfq/
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