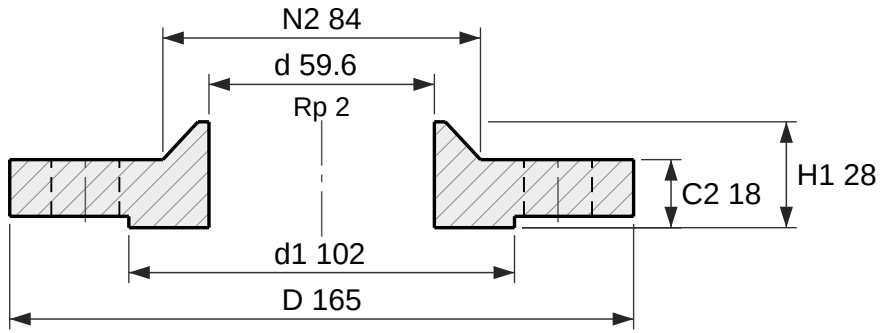
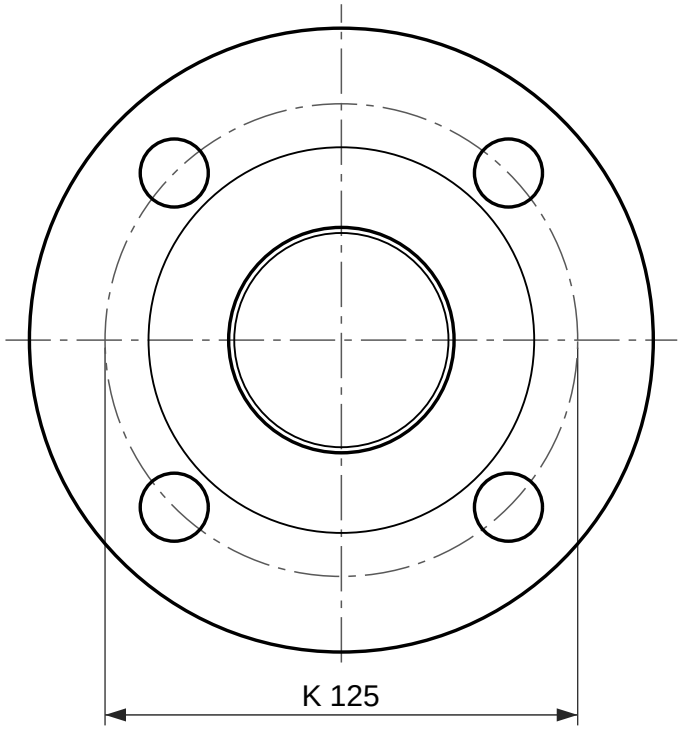
**Approx. weight**

| Material | kg | lb |
|---|---|---|
| Carbon steel | 2.3 | 5.1 |
| Stainless steel 304 and 304L | 2.3 | 5.2 |
| Stainless steel 316 and 316L | 2.4 | 5.2 |

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



4 holes Ø18

Face view

# Hubbed threaded flange, EN 1092-1 type 13, PN 16

DN 50, facing type B1 (raised face)

Designation: Flange EN 1092-1/13/B1/DN 50/PN 16
Dimensions per EN 1092-1:2018, Table 13 (PN 16) and Table 8 (facing); tolerances per EN 1092-1.
C2 and H1 include the raised face f1, as EN 1092-1 measures it.
EN 1092-1 dimensions the hub of this type at the back face only (N2) and 5.6.2 lets it run parallel or taper up to 7 degrees; it is drawn tapering out to the pipe wall.
Thread Rp 2 to EN 10226-1 (ISO 7-1), pitch 58.6 mm: d is the major diameter, the thin line the root. 5.6.3.2 asks for no counterbore and a chamfer to the major diameter.
EN 1092-1 gives PN 16 the same dimensions as PN 10 in DN 50; 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 | 165 | 6.50 |
| d1 Raised face diameter | 102 | 4.02 |
| f1 Raised face height | 3 | 0.12 |
| C2 Flange thickness, raised face included | 18 | 0.71 |
| H1 Length through hub, raised face included | 28 | 1.10 |
| N2 Hub diameter at back face | 84 | 3.31 |
| d Thread major diameter, Rp 2 to EN 10226-1 | 59.6 | 2.35 |
| K Bolt circle diameter | 125 | 4.92 |
| L Bolt holes, 4 off | 18 | 0.71 |

4 bolts M16; holes 18 mm (0.71 in)

RAJENDRA INDUSTRIAL CORPORATION
rajendradatacenter.com
Drawing RIC-EN1092-13-PN16-DN50-B1
Scale 1:2 on A4
Units: mm (inches)
Date 2026-11-22
Quote: rajendradatacenter.com/rfq/
sales@rajendradatacenter.com
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