

## DIMENSIONAL STANDARD · EN 1092-1

## EN 1092-1 PN100 Flange Dimensions

EN 1092-1 PN100 flange dimensions in mm: OD, bolt circle, holes, bolts, thickness by flange type and raised face.

This chart gives **EN 1092-1 PN100** flange dimensions in millimetres — outside diameter, bolt circle, bolt holes and bolting, thickness for plate, blind and weld-neck flanges, and raised-face diameter.

Teshi Group manufactures flanges to EN 1092-1 on request — weld neck (Type 11), slip-on (Type 12), plate (Type 01) and blind (Type 05) — alongside its ASME B16.5 range.

- D** Outside diameter of flange  
**A** Pipe outside diameter (hub diameter at the weld end)  
**C** Flange thickness, excluding raised face unless stated  
**d1** Raised face diameter  
**K** Bolt circle (pitch circle) diameter  
**n** Number of bolts  
**L** Bolt hole diameter  
**Bolt** Bolt size (metric M or inch diameter)

## EN 1092-1 PN 100 flange dimensions (mm)

| Size<br>DN | A<br>Pipe OD | D<br>Flange OD | K<br>Bolt circle | n<br>Bolts | L<br>Hole dia | Bolt<br>Size | C<br>Plate (Type 01) | C<br>Blind / weld neck | d1<br>Raised face |
|------------|--------------|----------------|------------------|------------|---------------|--------------|----------------------|------------------------|-------------------|
| 10         | 17.2         | 100            | 70               | 4          | 14            | M12          | 20                   | 20                     | 40                |
| 15         | 21.3         | 105            | 75               | 4          | 14            | M12          | 20                   | 20                     | 45                |
| 20         | 26.9         | 130            | 90               | 4          | 18            | M16          | 22                   | 22                     | 58                |
| 25         | 33.7         | 140            | 100              | 4          | 18            | M16          | 24                   | 24                     | 68                |
| 32         | 42.4         | 155            | 110              | 4          | 22            | M20          | 24                   | 24                     | 78                |
| 40         | 48.3         | 170            | 125              | 4          | 22            | M20          | 26                   | 26                     | 88                |
| 50         | 60.3         | 195            | 145              | 4          | 26            | M24          | 28                   | 28                     | 102               |
| 65         | 76.1         | 220            | 170              | 8          | 26            | M24          | 30                   | 30                     | 122               |
| 80         | 88.9         | 230            | 180              | 8          | 26            | M24          | 34                   | 32                     | 138               |
| 100        | 114.3        | 265            | 210              | 8          | 30            | M27          | 36                   | 36                     | 162               |
| 125        | 139.7        | 315            | 250              | 8          | 33            | M30          | 42                   | 40                     | 188               |
| 150        | 168.3        | 355            | 290              | 12         | 33            | M30          | 48                   | 44                     | 218               |
| 200        | 219.1        | 430            | 360              | 12         | 36            | M33          | 60                   | 52                     | 285               |
| 250        | 273.0        | 505            | 430              | 12         | 39            | M36          | 72                   | 60                     | 345               |
| 300        | 323.9        | 585            | 500              | 16         | 42            | M39          | 84                   | 68                     | 410               |
| 350        | 355.6        | 655            | 560              | 16         | 48            | M45          | 95                   | 74                     | 465               |
| 400        | —            | 715            | 620              | 16         | 48            | M45          | 106                  | —                      | —                 |
| 500        | —            | 870            | 760              | 20         | 56            | M52          | 128                  | —                      | —                 |

## Notes

- All dimensions are in millimetres.
- Outside diameter, bolt circle and drilling are common to all EN 1092-1 flange types of the same DN and PN.
- Values are nominal, compiled from published copies of the standard; blank cells (—) are values not confirmed from the sources available. Verify against the current edition before design, purchase or fabrication.

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