# DIN 580 eye bolt



DIN 580 · C15E steel

Reference configuration: Carcano A055. No-reduction range adopted here: −20 / +200 °C.

## Variants and dimensions (mm)

| Thread size (D) | A | B | C | E | F | G | H | L |
|---|---|---|---|---|---|---|---|---|
| M6 | 20.0 | 36.0 | 20.0 | 6.0 | 8.0 | 10.0 | 36.0 | 13.0 |
| M8 | 20.0 | 36.0 | 20.0 | 6.0 | 8.0 | 10.0 | 36.0 | 13.0 |
| M10 | 25.0 | 45.0 | 25.0 | 8.0 | 10.0 | 12.0 | 45.0 | 17.0 |
| M12 | 30.0 | 54.0 | 30.0 | 8.0 | 12.0 | 14.0 | 53.0 | 20.5 |
| M14 | 35.0 | 63.0 | 35.0 | 12.0 | 14.0 | 16.0 | 62.0 | 27.0 |
| M16 | 35.0 | 63.0 | 35.0 | 12.0 | 14.0 | 16.0 | 62.0 | 27.0 |
| M18 | 40.0 | 72.0 | 40.0 | 14.0 | 16.0 | 19.0 | 71.0 | 30.0 |
| M20 | 40.0 | 72.0 | 40.0 | 14.0 | 16.0 | 19.0 | 71.0 | 30.0 |

Dimensions in mm. Ratings and operating conditions are in the dedicated section. Availability requires confirmation.

## Technical drawings and key




A: Internal eye diameter.

B: External eye width.

C: Base diameter.

D: Nominal thread size.

E: Base height.

F: Ring thickness in side view.

H: Height above seating face.

G: Neck width at the base in side view.

L: Shank length below seating face.

Illustrative drawings, not to scale. Letters refer to table dimensions.

## Load conditions

| Thread size | Configuration | Angle | W.L.L. kg |
|---|---|---|---|
| M6 | Single point, axial loading | 0° | 75.0 |
| M8 | Single point, axial loading | 0° | 140.0 |
| M10 | Single point, axial loading | 0° | 230.0 |
| M12 | Single point, axial loading | 0° | 340.0 |
| M14 | Single point, axial loading | 0° | 490.0 |
| M16 | Single point, axial loading | 0° | 700.0 |
| M18 | Single point, axial loading | 0° | 850.0 |
| M20 | Single point, axial loading | 0° | 1200.0 |

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Ratings here apply to one point under axial 0° loading. Inclined loads and multi-point systems require the complete instruction tables.

Data apply to the identified reference configuration, not to every product of the same size. Confirm supply identity, markings and documentation before use. Qualified personnel must install and inspect the device, with the base fully seated and fixing appropriate to the structure. Check condition and markings before each use and observe the instruction inspection intervals and limits. Not for lifting people. This selection sheet does not replace the manufacturer instructions.

## Weight and tightening

| Thread size (D) | Weight kg | Max. tightening torque Nm |
|---|---|---|
| M6 | 0.06 | 3.5 |
| M8 | 0.06 | 8.0 |
| M10 | 0.11 | 16.0 |
| M12 | 0.18 | 28.0 |
| M14 | 0.27 | 45.0 |
| M16 | 0.28 | 70.0 |
| M18 | 0.44 | 95.0 |
| M20 | 0.45 | 135.0 |