# High-strength eye bolt



Catalogue design · 42CrMo steel

Reference configuration: Carcano A224. No-reduction range adopted here: −20 / +100 °C.

## Variants and dimensions (mm)

| Thread size (D) | A | B | C | D | E | F | G | L |
|---|---|---|---|---|---|---|---|---|
| M8 | 19.5 | 35.5 | 20.0 | 8.0 | 6.0 | 8.0 | 44.0 | 24.0 |
| M10 | 23.0 | 43.0 | 21.0 | 10.0 | 7.0 | 10.0 | 51.0 | 28.0 |
| M12 | 29.0 | 53.0 | 22.0 | 12.0 | 8.0 | 12.0 | 64.0 | 40.0 |
| M14 | 31.5 | 59.5 | 26.0 | 14.0 | 9.0 | 14.0 | 72.0 | 40.0 |
| M16 | 36.0 | 64.0 | 28.0 | 16.0 | 10.0 | 14.0 | 79.0 | 51.0 |
| M18 | 41.5 | 73.5 | 31.0 | 18.0 | 11.0 | 16.0 | 88.0 | 53.0 |
| M20 | 45.5 | 77.5 | 32.0 | 20.0 | 12.0 | 18.0 | 95.0 | 56.0 |

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.

G: Height above seating face.

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 |
|---|---|---|---|
| M8 | Single point, axial loading only | 0° | 400.0 |
| M10 | Single point, axial loading only | 0° | 700.0 |
| M12 | Single point, axial loading only | 0° | 1000.0 |
| M14 | Single point, axial loading only | 0° | 1200.0 |
| M16 | Single point, axial loading only | 0° | 1500.0 |
| M18 | Single point, axial loading only | 0° | 2000.0 |
| M20 | Single point, axial loading only | 0° | 2500.0 |

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Only axial 0° loading is permitted. These ratings do not apply to lateral or inclined loads.

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 |
|---|---|---|
| M8 | 0.06 | 8.0 |
| M10 | 0.08 | 16.0 |
| M12 | 0.14 | 28.0 |
| M14 | 0.2 | 45.0 |
| M16 | 0.3 | 70.0 |
| M18 | 0.42 | 95.0 |
| M20 | 0.5 | 135.0 |