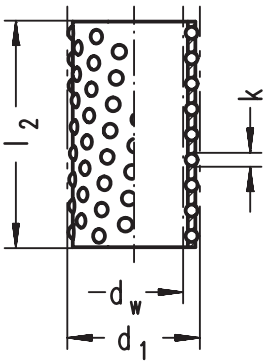
Brass Ball Cage

N 502 Mini Range



Suitability

Brass ball cage with steel balls arranged in helical formation for use with guide bushes from the Mini Range.

- The »Mini Range« was specifically developed for the precision engineering and optical industries.
- Uses smaller balls than type N 501.
- Smaller installation space by the use in combination with guide bushes from the Mini Range.
- The helical arrangement of the balls is ideal for linear and rotary movements.

Features

- The ball chambers are mechanically caulked so that the balls remain captive but still move easily.
- The balls are arranged in an optimum formation so that each ball can run on its own track for both linear and rotary movements.
- The ball formation ensures smooth running and substantially lengthens the service life of the rotary stroke bearing.
- Brass offers high mechanical stability, optimum sliding properties, and high resistance to abrasion and heat.
- See page 37-41 for instructions on installation and servicing.

Material

Cage:
- Brass
- Maximum constant working temperature 150°C (In case of higher temperatures, please ask us for advice.)

Balls:
- Hardened stainless steel X90 CrMoV 18 (1.4112)
- DIN 5401/ISO 3290 grade 5 sorting group P0

Loading capacity

Column C shows the load ratings of the ball cages under uniform radial load. The loading capacity must be computed when moments are in play.

Special designs

The ball cages can be supplied with ceramic balls. Other dimensions or designs are available on the basis of workpiece drawings and can be produced using different cage materials.

Order Information

Ball Cage N 502/d_w/d_1/l_2 **Order No. 50002 . .**