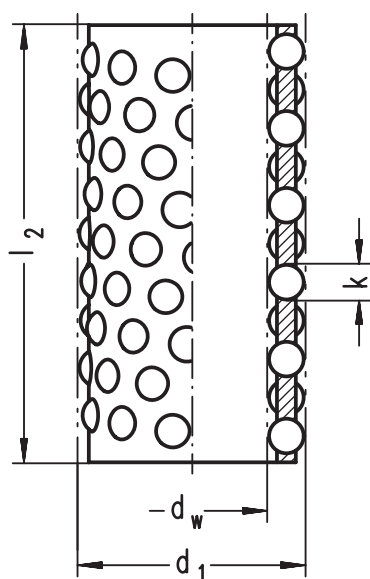


Brass Ball Cage

N 501



Suitability

Brass ball cage with steel balls in a helical arrangement.

- Allows universal use.
- Provides an optimum combination of smooth running and long service life.
- 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, special roller bearing steel 100 Cr 6 (1.2067)
- 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 stainless steel or 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 501/ $d_w/d_1/l_2$

Order No. 50010 . .