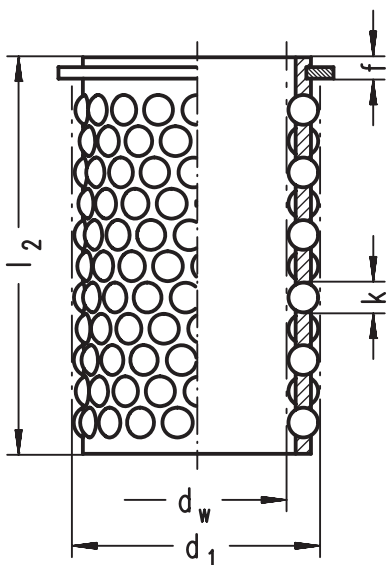


Brass Ball Cage with Circlip

N 511



Suitability

Brass ball cage with steel balls and circlip for path limitation.

- Provides an optimum combination of smooth running and long service life.
- High loading capacity due to large number of balls.
- Particularly suitable for linear movements in tools and machines which require high precision.
- Reliable ball cage path limitation using circlip.

Features

- The ball chambers are mechanically caulked so that the balls remain captive but still move easily.
- Large number of balls ensures high loading capacity.
- 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 511/ $d_w/d_1/l_2$

Order No. 50011 . .