

Ball guides



Application

Aluminium, brass and plastic ball cages

- can be used in any installation position for longitudinal movements and rotational motions

Aluminium ball cages

- lower mass compared to the brass cage and consequently lower inertia, particularly in the movement turning points
- optimal ratio between stability and mass
- optimal heat resistance

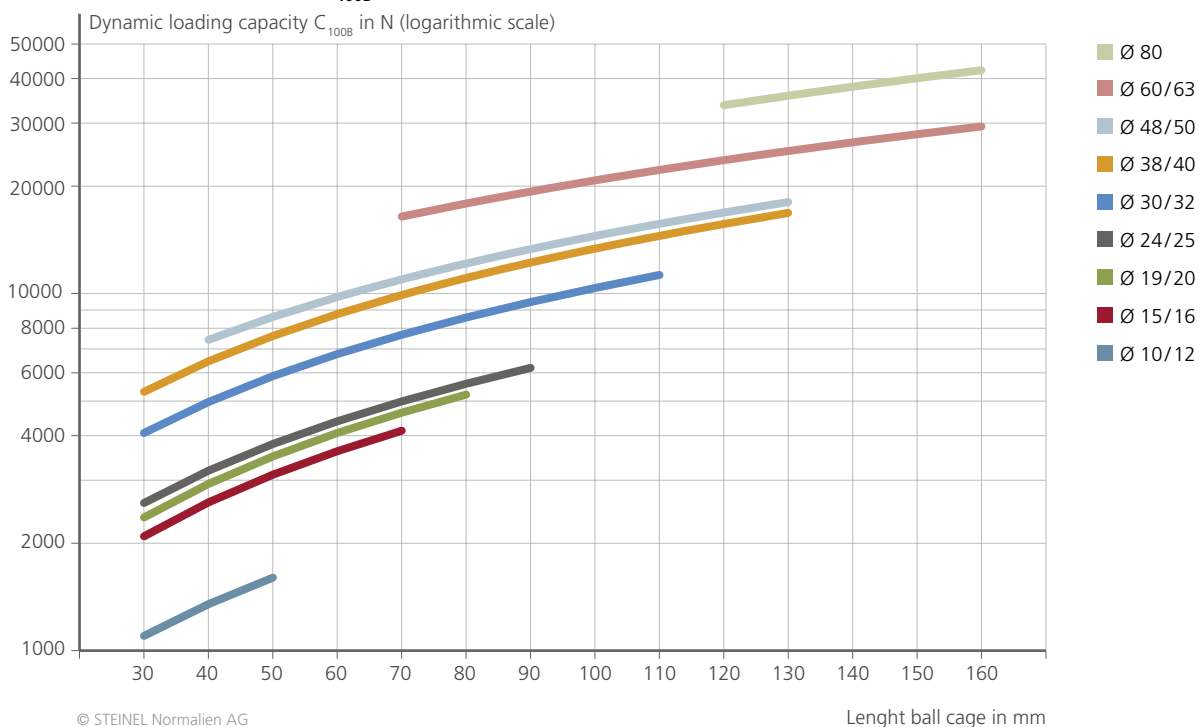
brass ball cage

- high wear resistance and stability
- low friction between the ball and cage
- optimal heat resistance
- Mini-series ball cages are ideally suited as construction elements in optical and electronic measuring devices.

Plastic ball cages

- low mass compared to other materials, and therefore suitable for high stroke frequencies in high-speed tools
- low friction between the ball and cage
- high medium resistance

Dynamic loading capacity C_{100B} in accordance with DIN ISO 14728-1 for ball cages with diameters of 10 to 80 mm



Ball guides

Additional versions

With installation assistance

The installation assistance facilitates the positioning of the cage on the guide pillar, therefore making the assembly of tools with several guide units easier.



With lock ring

In accordance with DIN 471, the lock ring prevents the cage from slipping through the guide bush during the dismantling of the tool. In operation, it can prevent any potential “wandering” of the cage.



With locking device and screw (only for aluminium)

During the complete retraction from the guide bush, the locking plate holds the ball cage on the guide pillar.

