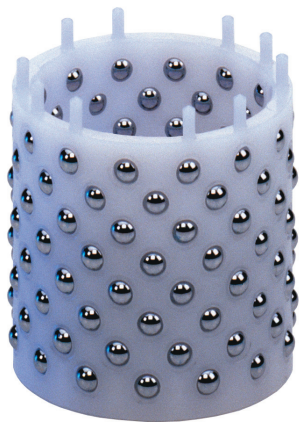


Plastic Ball Cage

N 500



Suitability

Cage made of polyacetal resin with steel balls.

- High acceleration is possible due to the light composition of the plastic material.
- Excellent dry running characteristics.
- Smoothest possible run.

Features

- Injection-molded.
- The balls are captive but can move easily.
- Balls which are staggered in the axial direction extend the service life of the rotary stroke bearing.
- The cages which are provided with mating pins and slots can be used for combining individual sections to form any desired length.
- See page 37-41 for instructions on installation and servicing.

Material

Cage:

- Polyacetal resin, injection-molded
- Density 1.42 kg/dm³
- Heat resistance 100°C, maximum constant working temperature 80°C

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. Based on workpiece drawings, other dimensions are available in small-scale production lots or, for batches from approx. 10,000 units, as injection-molded parts. The combinable ball cages are also available without balls (ball-free spacers).

Order Information

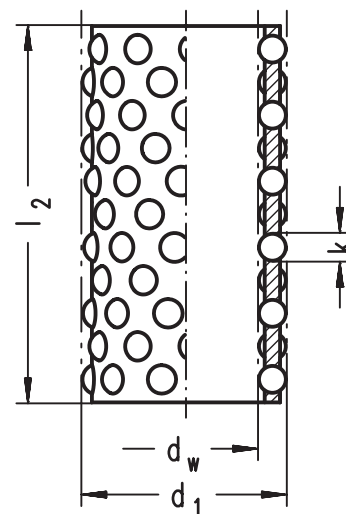
Ball Cage N 500/d_w/d₁/l₂

Order No. 50000 . .

Plastic Ball Cage

N 500

d_w	d_1	l_2	k	Balls [pcs.]	C [N]	Order No.
10	15	21	2.5	36	270	5000050
		42		72	540	5000051
		27		45	360	5000052
		54		90	720	5000053
12	16	21	2	54	270	5000054
		42		108	540	5000055



d_w	d_1	l_2	k	Balls [pcs.]	C [N]	Order No.
12	17	21	2.5	36	290	5000021
18	24	23	3	66	740	5000001
		30		88	960	5000002
19	25	23	3	66	740	5000003
		30		88	960	5000004
20	26	23	3	66	740	5000017
		30		88	960	5000018
24	30	23	3	84	1060	5000005
		30		112	1320	5000006
25	31	23	3	84	1060	5000007
		30		112	1320	5000008
30	38	25	4	75	1400	5000009
		30		90	1680	5000010
32	40	25	4	75	1400	5000011
		30		90	1680	5000012
38	46	25	4	90	1625	5000019
		30		108	1950	5000020
40	48	25	4	90	1625	5000013
		30		108	1950	5000014
42	50	25	4	90	1625	5000015
		30		108	1950	5000016

