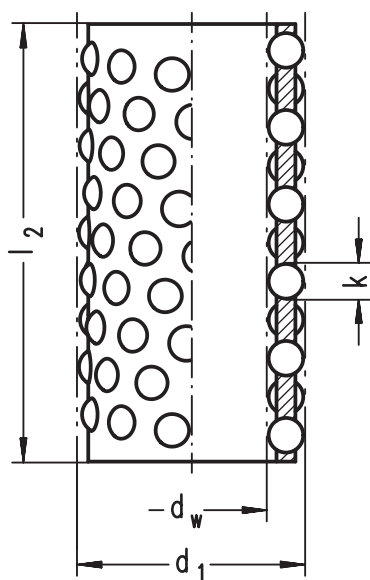
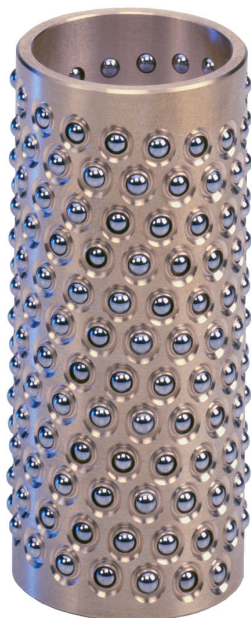


Brass Ball Cage

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 . .

Brass Ball Cage

N 501

d_w	d_1	l_2	k	Balls [pcs.]	C [N]	Order No.	d_w	d_1	l_2	k	Balls [pcs.]	C [N]	Order No.			
4	7	12	1.5	18	30	5001003	30	38	54	4	138	2800	5001049			
		20		34	50	5001004			78		212	4050	5001050			
		30		54	75	5001005			93		258	4850	5001051			
6	10	16	2	26	72	5001006	32	40	54	4	138	3030	5001052			
		25		42	110	5001007			68		180	3800	5001053			
		40		72	180	5001008			78		212	4350	5001054			
8	13	20	2.5	30	150	5001009	40	48	62	4	176	4030	5001057			
		25		36	190	5001010			68		196	4420	5001058			
		30		46	225	5001011			87		258	5650	5001059			
		40		64	300	5001012			102		308	6650	5001060			
10	15	20	2.5	30	220	5001013	40	48	62	4	176	4030	5001057			
		28		46	310	5001014			68		196	4420	5001058			
		40		70	440	5001015			87		258	5650	5001059			
		50		90	550	5001016			102		308	6650	5001060			
12	17	20	2.5	34	260	5001017	42	50	62	4	176	4030	5001064			
		28		50	365	5001018			68		196	4420	5001065			
		40		78	520	5001019			87		258	5650	5001066			
		50		100	650	5001020			102		308	6650	5001067			
14	20	34	3	60	580	5001021	50	60	77	5	218	6150	5001069			
		48		90	910	5001022			90		262	7200	5001070			
15	21	34	3	60	645	5001023	50	60	110	5	328	8800	5001071			
		48		90	910	5001024			140		428	11200	5001072			
		25		40	525	5001025			180		562	14400	5001073			
		34		60	715	5001026			52		62	77	5	218	6150	5001074
16	22	25	3	40	525	5001025	52	62	90	5	262	7200	5001075			
		34		60	715	5001026			110		328	8800	5001076			
		48		90	1025	5001027			140		428	11200	5001077			
		63		124	1325	5001028			180		562	14400	5001078			
18	24	40	3	88	1000	5001029	63	73	88	5	256	8800	5001078			
		56		130	1400	5001030			108		322	10800	5001079			
		68		162	1700	5001031			140		428	14000	5001080			
19	25	40	3	88	1080	5001032	63	73	140	5	578	18500	5001081			
		56		130	1510	5001033			185		696	22000	5001082			
		68		162	1840	5001034			220		80	92	95	6	268	13300
20	26	28	3	56	870	5001093	80	92	110	6	318	15400	5001084			
		40		88	1160	5001035			135		402	18900	5001085			
		48		108	1390	5001036			160		486	22400	5001086			
		56		130	1620	5001037			215		668	30100	5001087			
		68		162	1970	5001038			100		112	110	6	382	22000	5001088
		80		194	2320	5001039			165		602	33000	5001089			
24	30	51	3	146	1730	5001040	100	112	180	6	662	36000	5001090			
		68		202	2310	5001041			245		922	49000	5001091			
		80		242	2720	5001042										
25	31	40	3	108	1440	5001043										
		51		146	1840	5001044										
		58		168	2100	5001045										
		68		202	2450	5001046										
		80		242	2880	5001047										
		100		308	3600	5001048										