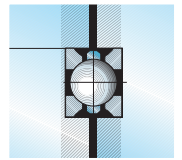
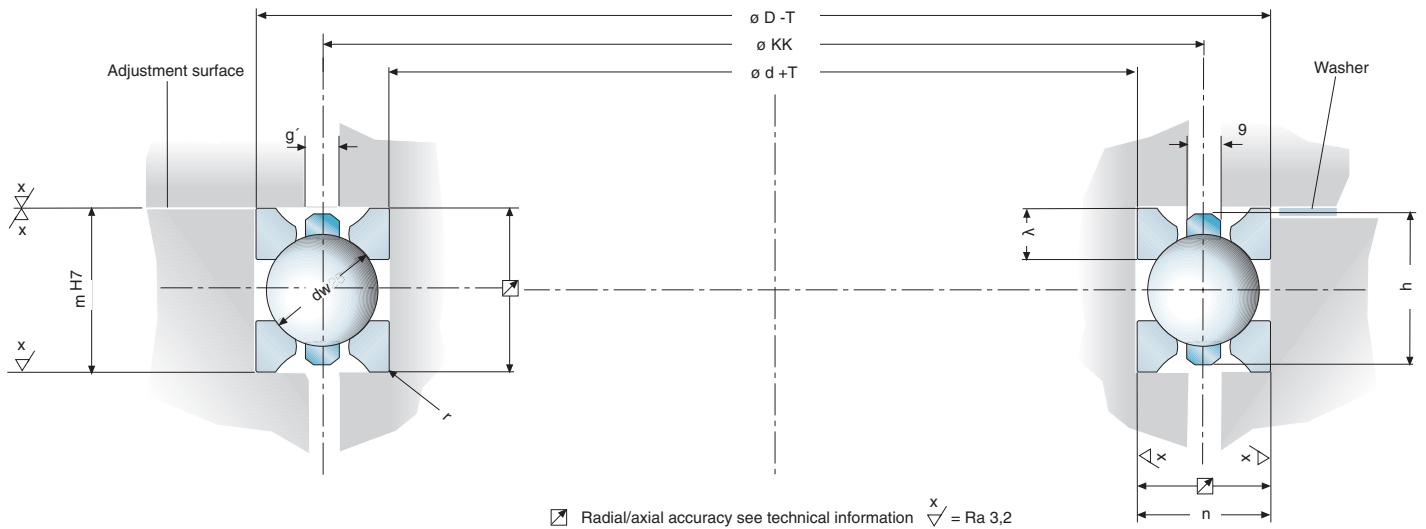


Bearing elements

Rectangular profile with drawn races



Series LER



$\text{Ø } KK$	dw	λ	m	n	$r \text{ max}$	g	h	g'	Tolerance
100 - 1500	9,525	4 x 3	13	11	0,3	2,5	12,6	3	$KK \text{ Ø} \leq 500 \text{ mm } T = IT6^*$ $KK \text{ Ø} > 500 \text{ mm } T = IT7^*$

Dimensions [mm], * DIN ISO 286

Consist of:

- Four ball race rings with drawn raceways
- Segmented strip cage with retained balls

Features:

- Direct integration into your mating structure
- Free selection of ball pitch
- Small mounting space and high precision
- Easy machining of the mating structure
- Calculation programme to find the most suitable bearing

Ball race rings:

- Rectangular profile 4 x 3 mm
- Drawn raceways
- For special applications other race ring diameters are also available.
- Please consult us.

Rolling elements:

- Steel balls DIN5401, class III

Strip cage:

- Ball guided polyamide ball cage divided into segments
- The segmented strip cage runs very smoothly and silently and compensates length differences caused by high temperatures. The number of segments refers to the ball pitch diameter. For special applications and temperatures higher than 120° C we recommend ball cages made of non-corrosive steel or brass.

Lubrication:

- with ball bearing grease. For more information see page 34.

Temperature:

- Continuous operation: -40° C to +100° C, short time operation max. 120° C
- Other temperatures on request

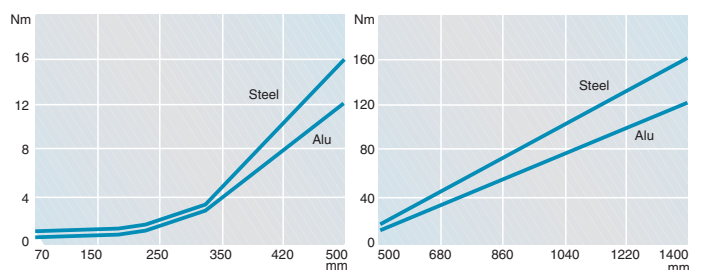
Adjustment:

- By plane surface
 - By washers (see page 31)
- The preload is adjusted correctly when the rotational resistance without seal corresponds to table 1 (temperature range -40° C to +100° C).

Circumferential speed:

- with grease lubrication max. 10 m/s
- with oil lubrication max. 12 m/s

	54SiCr6 Ball race ring	100Cr6 Balls	PA12 Strip cage
Standard	Corrotect ATC-Beschichtung	Messing- Flachkäfig	X45Cr13
Special			



Intermediate diameters
on request



Ball pitch Ø KK [mm]	Load rating		Weight [kg]	Order number
	C [KN]	Co [KN]		
100	17	25	0,20	68460A
105	17	26	0,20	68461A
110	18	28	0,20	68462A
115	18	29	0,20	68463A
120	18	30	0,20	68464A
125	19	33	0,20	68465A
130	19	34	0,20	68466A
135	20	35	0,20	68467A
140	20	36	0,20	68468A
145	20	37	0,20	68469A
150	20	39	0,30	74060A
155	20	40	0,30	74061A
160	20	41	0,30	74062A
165	21	43	0,30	74063A
170	21	45	0,30	74064A
175	21	46	0,30	74065A
180	22	47	0,30	74066A
185	22	48	0,30	74067A
190	22	49	0,30	74068A
195	22	51	0,30	74069A
200	23	52	0,30	74070A
205	23	54	0,30	74071A
210	23	55	0,30	74072A
215	23	57	0,30	74073A
220	24	58	0,40	74074A
225	24	59	0,40	74075A
230	24	60	0,40	74076A
235	24	61	0,40	74077A
240	24	63	0,40	74078A
245	24	64	0,40	74079A
250	25	66	0,40	74080A
255	25	67	0,40	74081A
260	25	69	0,40	74082A
265	25	70	0,40	74083A
270	25	71	0,40	74084A
275	26	72	0,50	74085A
280	26	73	0,50	74086A
285	26	75	0,50	74087A
290	26	77	0,50	74088A
295	26	78	0,50	74089A
300	27	79	0,50	74090A
310	27	82	0,50	74091A
320	27	84	0,50	74092A
330	28	88	0,60	74093A
340	28	90	0,60	74094A
350	28	92	0,60	74095A
360	28	95	0,60	74096A
370	29	98	0,60	74097A
380	29	100	0,60	74098A
390	29	103	0,60	74099A
400	29	106	0,70	74100A
410	30	109	0,70	74101A
420	30	112	0,70	74102A
430	30	114	0,70	74103A
440	31	116	0,70	74104A
450	31	119	0,70	74105A
460	31	122	0,80	74106A
470	31	125	0,80	74107A
480	32	127	0,80	74108A
490	32	130	0,80	74109A
500	32	133	0,80	74110A

Ball pitch Ø KK [mm]	Load rating		Weight [kg]	Order number
	C [KN]	Co [KN]		
510	32	136	0,80	74111A
520	33	138	0,90	74112A
530	33	140	0,90	74113A
540	33	144	0,90	74114A
550	33	146	0,90	74115A
560	33	149	1,00	74116A
570	34	151	1,00	74117A
580	34	155	1,00	74118A
590	34	157	1,00	74119A
600	34	159	1,10	74120A
610	34	162	1,10	74121A
620	35	165	1,10	74122A
630	35	168	1,10	74123A
640	35	170	1,20	74124A
650	35	173	1,20	74125A
660	36	176	1,20	74126A
670	36	179	1,20	74127A
680	36	181	1,30	74128A
690	36	183	1,30	74129A
700	36	187	1,30	74130A
710	36	189	1,40	74131A
720	37	192	1,40	74132A
730	37	194	1,40	74133A
740	37	198	1,50	74134A
750	37	200	1,50	74135A
760	37	203	1,50	74136A
770	38	205	1,50	74137A
780	38	209	1,60	74138A
790	38	211	1,60	74139A
800	38	213	1,60	74140A
810	38	216	1,60	74141A
820	39	219	1,70	74142A
830	39	222	1,70	74143A
840	39	224	1,70	74144A
850	39	226	1,70	74145A
860	39	229	1,80	74146A
870	39	232	1,80	74147A
880	40	235	1,80	74148A
890	40	237	1,90	74149A
900	40	240	1,90	74150A
920	40	246	1,90	74151A
940	40	250	1,90	74152A
960	41	256	2,00	74153A
980	41	261	2,00	74154A
1000	41	267	2,00	74155A
1020	42	272	2,10	74156A
1040	42	278	2,10	74157A
1060	42	283	2,10	74158A
1080	43	289	2,20	74159A
1100	43	293	2,20	74160A
1120	43	299	2,20	74161A
1140	43	304	2,30	74162A
1160	44	310	2,30	74163A
1180	44	315	2,40	74164A
1200	44	321	2,40	74165A
1220	45	326	2,40	74166A
1240	45	332	2,50	74167A
1260	45	337	2,50	74168A
1280	45	343	2,50	74169A
1300	46	347	2,60	74170A
1320	46	353	2,60	74171A
1340	46	358	2,70	74172A
1360	46	364	2,70	74173A
1380	47	369	2,80	74174A
1400	47	375	2,80	74175A
1420	47	377	2,80	74176A
1440	47	386	2,90	74177A
1460	48	390	2,90	74178A
1480	48	396	3,00	74179A
1500	48	401	3,00	74180A

Antifriction wire race bearings

