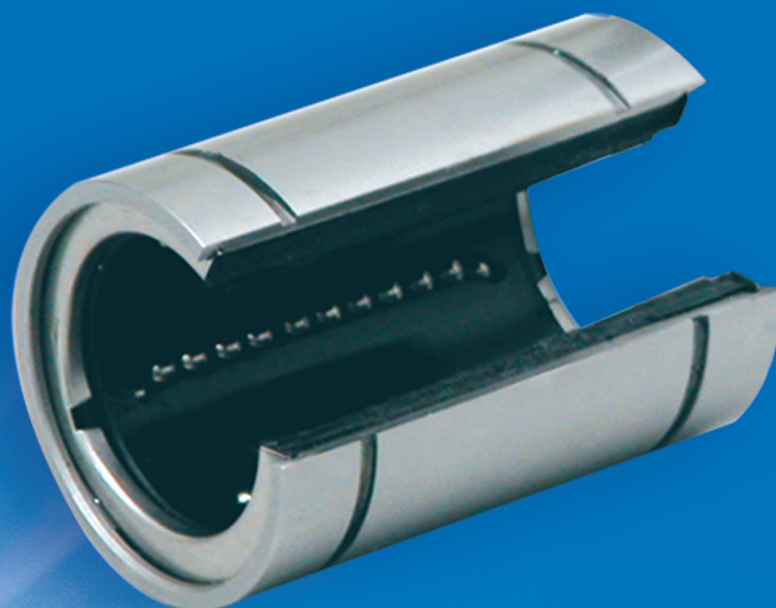
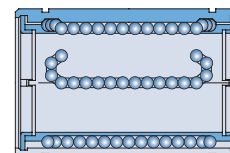


Linear motion ball bearings

Linear motion ball bearings.....493



Linear motion ball bearings

Characteristics

Linear motion ball bearings are composed of a sleeved outer ring and a cage–multi–row balls assembly.

These bearings can make a linearly reciprocating motion on a shaft in axial directions.

They are specialized in multi–row balls, less frictional moment, light and mobility, and long life.

The bearing designs bring together within low cost application, simplified maintenance and convenient interchangeability for end users.

Structural features

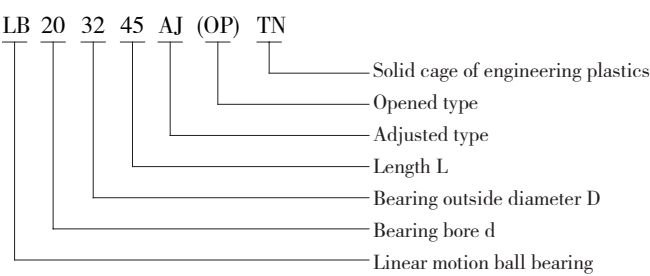
LB TN (ZX–), normal type bearings with normal class P tolerances and precision class T tolerances.

LB AJTN (ZX–t), bearings with axial cut out in the sleeved outer ring which can be adjusted radial internal clearance.

LB OPTN (ZX–k), bearings with sectorial cut out in the sleeved outer ring which can be mounted on the shaft with a stay, so as to adjust radial with a stay, so as to adjust radial internal clearance.

Semicircle type bearings, i.e. half s standard bearings, which can be mounted radially and used to support the shaft partially.

Designations for linear motion ball bearings



Tolerances

Linear motion ball bearings are manufactured to normal class tolerances P and precision class tolerances J.

Special series bearings are only manufactured to normal class tolerances.

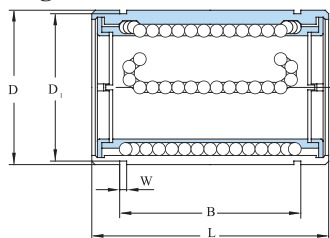
Size deviation at all level refer to the data in the table.

Shaft and housing tolerances

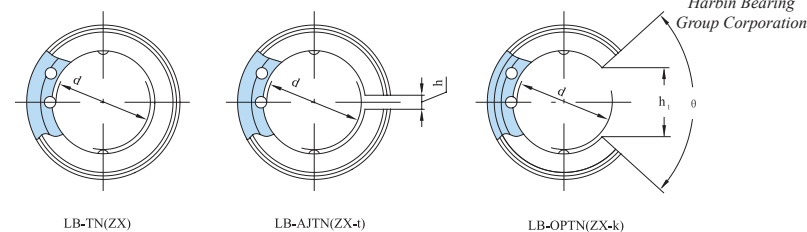
Bearing		Shaft		Housing bore	
Type	Tolerance class	Normal clearance	Narrow clearance	Clearance fit	Transition fit
LB TN	normal class (P)	f6、g6	h6	H7	J7
LB AJTN					
LB OPTN	Precision class (J)	f2、g5	h5	H6	J6
LB TN–2RS		h6	j6	H7	J7



Linear motion ball bearings



Designations		Number of rows	Boundary dimensions (mm)							
			d			D			L	
			Nominal	Deviations		Nominal	Deviations		Nominal	Deviations
HRB	International			J	P		J	P		
ZX61219A	LB61219TN	3	6	$\frac{0}{-6}$	$\frac{0}{-9}$	12	$\frac{0}{-11}$	$\frac{0}{-11}$	19	$\frac{0}{-200}$
ZX61219tA	LB61219AJTN	3	6	$\frac{0}{-6}$	$\frac{0}{-9}$	12	$\frac{0}{-11}$	$\frac{0}{-11}$	19	$\frac{0}{-200}$
ZX81517A	LB81517TN	3	8	$\frac{0}{-6}$	$\frac{0}{-9}$	15	$\frac{0}{-11}$	$\frac{0}{-11}$	17	$\frac{0}{-200}$
ZX81517tA	LB81517AJTN	3	8	$\frac{0}{-6}$	$\frac{0}{-9}$	15	$\frac{0}{-11}$	$\frac{0}{-11}$	17	$\frac{0}{-200}$
ZX81524A	LB81524TN	3	8	$\frac{0}{-6}$	$\frac{0}{-9}$	15	$\frac{0}{-11}$	$\frac{0}{-11}$	24	$\frac{0}{-200}$
ZX81524tA	LB81524AJTN	3	8	$\frac{0}{-6}$	$\frac{0}{-9}$	15	$\frac{0}{-11}$	$\frac{0}{-11}$	24	$\frac{0}{-200}$
ZX101929A	LB101929TN	4	10	$\frac{0}{-6}$	$\frac{0}{-9}$	19	$\frac{0}{-13}$	$\frac{0}{-13}$	29	$\frac{0}{-200}$
ZX101929tA	LB101929AJTN	4	10	$\frac{0}{-6}$	$\frac{0}{-9}$	19	$\frac{0}{-13}$	$\frac{0}{-13}$	29	$\frac{0}{-200}$
ZX132332A	LB132332TN	4	13	$\frac{0}{-6}$	$\frac{0}{-9}$	23	$\frac{0}{-13}$	$\frac{0}{-13}$	32	$\frac{0}{-200}$
ZX132332tA	LB132332AJTN	4	13	$\frac{0}{-6}$	$\frac{0}{-9}$	23	$\frac{0}{-13}$	$\frac{0}{-13}$	32	$\frac{0}{-200}$
ZX132332KA	LB132332OPTN	3	13	$\frac{0}{-6}$	$\frac{0}{-9}$	23	$\frac{0}{-13}$	$\frac{0}{-13}$	32	$\frac{0}{-200}$
ZX162837A	LB162837TN	4	16	$\frac{0}{-6}$	$\frac{0}{-9}$	28	$\frac{0}{-13}$	$\frac{0}{-13}$	37	$\frac{0}{-200}$
ZX162837tA	LB162837AJTN	4	16	$\frac{0}{-6}$	$\frac{0}{-9}$	28	$\frac{0}{-13}$	$\frac{0}{-13}$	37	$\frac{0}{-200}$
ZX162837KA	LB162837OPTN	3	16	$\frac{0}{-6}$	$\frac{0}{-9}$	28	$\frac{0}{-13}$	$\frac{0}{-13}$	37	$\frac{0}{-200}$
LB16A-2RS	LB162837TN-2RS	4	16	$\frac{0}{-6}$	$\frac{0}{-9}$	28	$\frac{0}{-13}$	$\frac{0}{-13}$	37	$\frac{0}{-200}$
ZX203242A	LB203242TN	5	20	$\frac{0}{-7}$	$\frac{0}{-10}$	32	$\frac{0}{-16}$	$\frac{0}{-16}$	42	$\frac{0}{-200}$
ZX203242tA	LB203242AJTN	5	20	$\frac{0}{-7}$	$\frac{0}{-10}$	32	$\frac{0}{-16}$	$\frac{0}{-16}$	42	$\frac{0}{-200}$
ZX203242KA	LB203242OPTN	4	20	$\frac{0}{-7}$	$\frac{0}{-10}$	32	$\frac{0}{-16}$	$\frac{0}{-16}$	42	$\frac{0}{-200}$
LB20A-2RS	LB203242TN-2RS	5	20	$\frac{0}{-7}$	$\frac{0}{-10}$	32	$\frac{0}{-16}$	$\frac{0}{-16}$	42	$\frac{0}{-300}$
ZX254059A	LB254059TN	6	25	$\frac{0}{-7}$	$\frac{0}{-10}$	40	$\frac{0}{-16}$	$\frac{0}{-16}$	59	$\frac{0}{-300}$
ZX254059tA	LB254059AJTN	6	25	$\frac{0}{-7}$	$\frac{0}{-10}$	40	$\frac{0}{-16}$	$\frac{0}{-16}$	59	$\frac{0}{-300}$
ZX254059KA	LB254059OPTN	5	25	$\frac{0}{-7}$	$\frac{0}{-10}$	40	$\frac{0}{-16}$	$\frac{0}{-16}$	59	$\frac{0}{-300}$
ZX304564A	LB304564TN	6	30	$\frac{0}{-7}$	$\frac{0}{-10}$	45	$\frac{0}{-16}$	$\frac{0}{-16}$	64	$\frac{0}{-300}$
ZX304564tA	LB304564AJTN	6	30	$\frac{0}{-7}$	$\frac{0}{-10}$	45	$\frac{0}{-16}$	$\frac{0}{-16}$	64	$\frac{0}{-300}$
ZX304564KA	LB304564OPTN	5	30	$\frac{0}{-7}$	$\frac{0}{-10}$	45	$\frac{0}{-16}$	$\frac{0}{-16}$	64	$\frac{0}{-300}$
LB30A-2RS	LB304564TN-2RS	6	30	$\frac{0}{-6}$	$\frac{0}{-10}$	45	$\frac{0}{-16}$	$\frac{0}{-16}$	64	$\frac{0}{-300}$
ZX355270A	LB355270TN	6	35	$\frac{0}{-8}$	$\frac{0}{-12}$	52	$\frac{0}{-19}$	$\frac{0}{-19}$	70	$\frac{0}{-300}$
ZX355270tA	LB355270AJTN	6	35	$\frac{0}{-8}$	$\frac{0}{-12}$	52	$\frac{0}{-19}$	$\frac{0}{-19}$	70	$\frac{0}{-300}$
ZX355270KA	LB355270OPTN	5	35	$\frac{0}{-8}$	$\frac{0}{-12}$	52	$\frac{0}{-19}$	$\frac{0}{-19}$	70	$\frac{0}{-300}$
ZX385776A	LB385776TN	6	38	$\frac{0}{-8}$	$\frac{0}{-12}$	57	$\frac{0}{-19}$	$\frac{0}{-19}$	76	$\frac{0}{-300}$
ZX385776tA	LB385776AJTN	6	38	$\frac{0}{-8}$	$\frac{0}{-12}$	57	$\frac{0}{-19}$	$\frac{0}{-19}$	76	$\frac{0}{-300}$
ZX385776KA	LB385776OPTN	5	38	$\frac{0}{-8}$	$\frac{0}{-12}$	57	$\frac{0}{-19}$	$\frac{0}{-19}$	76	$\frac{0}{-300}$



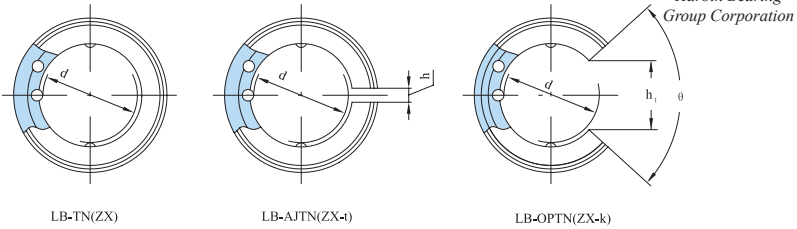
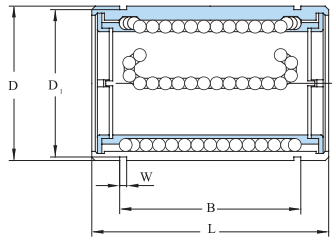
Allowable deriation (μ m)							Radiad runout(μ m)		Dynamic Load Ratings (N)		Static Load Ratings (N)	
B												
Nominal	Deviations	W	D _l	h	h _l	θ	max		C		Co	
							J	P	min	max	min	max
13.5	$\frac{0}{-200}$	1.1	11.5				12	20	68.6	68.6	127.4	127.4
13.5	$\frac{0}{-200}$	1.1	11.5	1			12	20	68.6	68.6	127.4	127.4
11.5	$\frac{0}{-200}$	1.1	14.3				12	20	78.4	78.4	117.6	117.6
11.5	$\frac{0}{-200}$	1.1	14.3	1			12	20	78.4	78.4	117.6	117.6
17.5	$\frac{0}{-200}$	1.1	14.3				12	20	107.8	107.8	215.6	215.6
17.5	$\frac{0}{-200}$	1.1	14.3	1			12	20	107.8	107.8	215.6	215.6
22	$\frac{0}{-200}$	1.3	18				12	20	156.8	225.4	284.2	411.6
22	$\frac{0}{-200}$	1.3	18	1			12	20	156.8	225.4	284.2	411.6
23	$\frac{0}{-200}$	1.3	22				12	20	264.6	372.4	480.2	686
23	$\frac{0}{-200}$	1.3	22	1.5			12	20	264.6	372.4	480.2	686
23	$\frac{0}{-200}$	1.3	22		9	80	12	20	264.6	372.4	480.2	686
26.5	$\frac{0}{-200}$	1.6	27				12	20	421.4	597.8	725.2	980
26.5	$\frac{0}{-200}$	1.6	27	1.5			12	20	421.4	597.8	725.2	980
26.5	$\frac{0}{-200}$	1.6	27		11	80	12	20	421.4	597.8	725.2	980
26.5	$\frac{0}{-200}$	1.6	27				12	20	421.4	597.8	725.2	980
30.5	$\frac{0}{-200}$	1.6	30.5				15	25	558.6	823.2	921.2	1470
30.5	$\frac{0}{-200}$	1.6	30.5	1.5			15	25	558.6	823.2	921.2	1470
30.5	$\frac{0}{-200}$	1.6	30.5		11	60	15	25	558.6	823.2	921.2	1470
30.5	$\frac{0}{-300}$	1.6	30.5				15	25	558.6	823.2	921.2	1470
41	$\frac{0}{-300}$	1.85	38				15	25	872.7	1078	1568	2058
41	$\frac{0}{-300}$	1.85	38	2			15	25	872.2	1078	1568	2058
41	$\frac{0}{-300}$	1.85	38		12	50	15	25	872.2	1078	1568	2058
44.5	$\frac{0}{-300}$	1.85	43				15	25	1274	1666	2156	2744
44.5	$\frac{0}{-300}$	1.85	43	2.5			15	15	1274	1666	2156	2744
44.5	$\frac{0}{-300}$	1.85	43		15	50	15	15	1274	1666	2156	2744
44.5	$\frac{0}{-300}$	1.85	43				15	15	1274	1666	2156	2744
49.5	$\frac{0}{-300}$	2.1	49				18	30	1666	2058	3038	3920
49.5	$\frac{0}{-300}$	2.1	49	2.5			18	30	1666	2058	3038	3920
49.5	$\frac{0}{-300}$	2.1	49		17	50	18	30	1666	2058	3038	3920
58.5	$\frac{0}{-300}$	2.1	54.5				18	30	2058	2646	3528	4508
58.5	$\frac{0}{-300}$	2.1	54.5	3			18	30	2058	2646	3528	4508
58.5	$\frac{0}{-300}$	2.1	54.5		18	50	18	30	2058	2646	3528	4508



Harbin Bearing
Group Corporation



Linear motion ball bearings

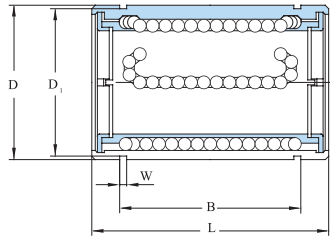


Harbin Bearing
Group Corporation

Designations		Number of rows	Boundary dimensions (mm)							
			d			D			L	
			Nominal	Deviations		Nominal	Deviations		Nominal	Deviations
HRB	International			J	P		J	P		
ZX406080A	LB406080TN	6	40	$\frac{0}{-8}$	$\frac{0}{-12}$	60	$\frac{0}{-19}$		80	$\frac{0}{-300}$
ZX406080tA	LB406080AJTN	6	40	$\frac{0}{-8}$	$\frac{0}{-12}$	60	$\frac{0}{-19}$		80	$\frac{0}{-300}$
ZX406080KA	LB406080OPTN	5	40	$\frac{0}{-8}$	$\frac{0}{-12}$	60	$\frac{0}{-19}$		80	$\frac{0}{-300}$
ZX5080100A	LB5080100TN	6	50	$\frac{0}{-8}$	$\frac{0}{-12}$	80	$\frac{0}{-19}$		100	$\frac{0}{-300}$
ZX5080100tA	LB5080100AJTN	6	50	$\frac{0}{-8}$	$\frac{0}{-12}$	80	$\frac{0}{-19}$		100	$\frac{0}{-300}$
ZX5080100KA	LB5080100OPTN	5	50	$\frac{0}{-8}$	$\frac{0}{-12}$	80	$\frac{0}{-19}$		100	$\frac{0}{-300}$
ZX6090110A	LB6090110TN	6	60	$\frac{0}{-9}$	$\frac{0}{-15}$	90	$\frac{0}{-22}$		110	$\frac{0}{-300}$
ZX6090110tA	LB6090110AJTN	6	60	$\frac{0}{-9}$	$\frac{0}{-15}$	90	$\frac{0}{-22}$		110	$\frac{0}{-300}$
ZX6090110KA	LB6090110OPTN	5	60	$\frac{0}{-9}$	$\frac{0}{-15}$	90	$\frac{0}{-22}$		110	$\frac{0}{-300}$
ZX8012040A	LB8012040TN	6	80	$\frac{0}{-9}$	$\frac{0}{-15}$	120	$\frac{0}{-22}$		140	$\frac{0}{-400}$
ZX8012040tA	LB8012040AJTN	6	80	$\frac{0}{-9}$	$\frac{0}{-15}$	120	$\frac{0}{-22}$		140	$\frac{0}{-400}$
ZX8012040KA	LB8012040OPTN	5	80	$\frac{0}{-9}$	$\frac{0}{-15}$	120	$\frac{0}{-22}$		140	$\frac{0}{-400}$
ZX100150175A	LB100150175TN	6	100	$\frac{0}{-10}$	$\frac{0}{-20}$	150	$\frac{0}{-25}$		175	$\frac{0}{-400}$
ZX100150175tA	LB100150175AJTN	6	100	$\frac{0}{-10}$	$\frac{0}{-20}$	150	$\frac{0}{-25}$		175	$\frac{0}{-400}$
ZX100150175KA	LB100150175OPTN	5	100	$\frac{0}{-10}$	$\frac{0}{-20}$	150	$\frac{0}{-25}$		175	$\frac{0}{-400}$

Allowable deriation (μ m)							Radiad runout(μ m)		Dynamic Load Ratings (N)		Static Load Ratings (N)	
B												
Nominal	Deviations	W	D ₁	h	h ₁	θ	max		C		Co	
							J	P	min	max	min	max
60.5	$\frac{0}{-300}$	2.1	57				18	30	2058	2646	3528	4606
60.5	$\frac{0}{-300}$	2.1	57	3			18	30	2058	2646	3528	4606
60.5	$\frac{0}{-300}$	2.1	57		20	50	18	30	2058	2646	3528	4606
74	$\frac{0}{-300}$	2.6	76.5				18	30	4018	5096	6958	8918
74	$\frac{0}{-300}$	2.6	76.5	3			18	30	4018	5096	6958	8918
74	$\frac{0}{-300}$	2.6	76.5		25	50	18	30	4018	5096	6958	8918
85	$\frac{0}{-300}$	3.15	86.5				25	30	4802	6174	8036	10290
85	$\frac{0}{-300}$	3.15	86.5	3			25	30	4802	6174	8036	10290
85	$\frac{0}{-300}$	3.15	86.5		30	50	25	30	4802	6174	8036	10290
105.5	$\frac{0}{-400}$	4.15	116				25	30	8820	11368	14210	18288
105.5	$\frac{0}{-400}$	4.15	116	3			25	30	8820	11368	14210	18288
105.5	$\frac{0}{-400}$	4.15	116		40	50	25	30	8820	11368	14210	18288
125.5	$\frac{0}{-400}$	4.15	145				30	35	14700	18816	22344	28616
125.5	$\frac{0}{-400}$	4.15	145	3			30	35	14700	18816	22344	28616
125.5	$\frac{0}{-400}$	4.15	145		50	50	30	35	14700	18816	22344	28616

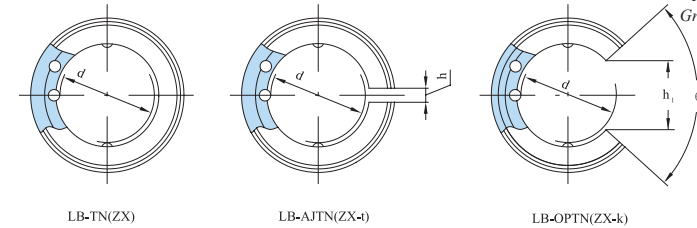
Linear motion ball bearings



Designations		Number of rows	Boundary dimensions (mm)					
			d		D		L	
			Nominal	Deviations	Nominal	Deviations	Nominal	Deviations
HRB	International							
ZXt51222A	LB51222TN	3	5	$^{+8}_0$	12	$^0_{-8}$	22	$^0_{-210}$
ZXt51222tA	LB51222AJTN	3	5	$^{+8}_0$	12	$^0_{-8}$	22	$^0_{-210}$
ZXt81625A	LB81625TN	3	8	$^{+8}_0$	16	$^0_{-8}$	25	$^0_{-210}$
ZXt81625tA	LB81625AJTN	3	8	$^{+8}_0$	16	$^0_{-8}$	25	$^0_{-210}$
ZXt122232A	LB122232TN	4	12	$^{+8}_0$	22	$^0_{-9}$	32	$^0_{-250}$
ZXt122232tA	LB122232AJTN	4	12	$^{+8}_0$	22	$^0_{-9}$	32	$^0_{-250}$
LB122232OPTN	LB122232OPTN	3	12	$^{+8}_0$	22	$^0_{-9}$	32	$^0_{-250}$
LB122232TN-2RS	LB122232TN-2RS	4	12	$^{+8}_0$	22	$^0_{-9}$	32	$^0_{-250}$
ZXt162636A	LB162636TN	4	16	$^{+9}_{-1}$	26	$^0_{-9}$	36	$^0_{-250}$
ZXt162636tA	LB162636AJTN	4	16	$^{+9}_{-1}$	26	$^0_{-9}$	36	$^0_{-250}$
LB162636OPTN	LB162636OPTN	3	16	$^{+9}_{-1}$	26	$^0_{-9}$	36	$^0_{-250}$
LB162636TN-2RS	LB162636TN-2RS	4	16	$^{+9}_{-1}$	26	$^0_{-9}$	36	$^0_{-250}$
ZXt203245A	LB203245TN	5	20	$^{+9}_{-1}$	32	$^0_{-11}$	45	$^0_{-250}$
ZXt203245tA	LB203245AJTN	5	20	$^{+9}_{-1}$	32	$^0_{-11}$	45	$^0_{-250}$
LB203245OPTN	LB203245OPTN	4	20	$^{+9}_{-1}$	32	$^0_{-11}$	45	$^0_{-250}$
LB203245TN-2RS	LB203245TN-2RS	5	20	$^{+9}_{-1}$	32	$^0_{-11}$	45	$^0_{-250}$
ZXt254058A	LB254058TN	6	25	$^{+11}_{-1}$	40	$^0_{-11}$	58	$^0_{-300}$
ZXt254058tA	LB254058AJTN	6	25	$^{+11}_{-1}$	40	$^0_{-11}$	58	$^0_{-300}$
LB254058OPTN	LB254058OPTN	5	25	$^{+11}_{-1}$	40	$^0_{-11}$	58	$^0_{-300}$
LB254058TN-2RS	LB254058TN-2RS	6	25	$^{+11}_{-1}$	40	$^0_{-11}$	58	$^0_{-300}$
ZXt304768A	LB304768TN	6	30	$^{+11}_{-1}$	47	$^0_{-11}$	68	$^0_{-300}$
ZXt304768tA	LB304768AJTN	6	30	$^{+11}_{-1}$	47	$^0_{-11}$	68	$^0_{-300}$
LB304768OPTN	LB304768OPTN	5	30	$^{+11}_{-1}$	47	$^0_{-11}$	68	$^0_{-300}$
LB304768TN-2RS	LB304768TN-2RS	6	30	$^{+11}_{-1}$	47	$^0_{-11}$	68	$^0_{-300}$
ZXt406280A	LB406280TN	6	40	$^{+13}_{-2}$	62	$^0_{-13}$	80	$^0_{-300}$
ZXt406280tA	LB406280AJTN	6	40	$^{+13}_{-2}$	62	$^0_{-13}$	80	$^0_{-300}$
LB406280OPTN	LB406280OPTN	5	40	$^{+13}_{-2}$	62	$^0_{-13}$	80	$^0_{-300}$
LB406280TN-2RS	LB406280TN-2RS	6	40	$^{+13}_{-2}$	62	$^0_{-13}$	80	$^0_{-300}$
ZXt5075100A	LB5075100TN	6	50	$^{+13}_{-2}$	75	$^0_{-13}$	100	$^0_{-350}$
ZXt5075100tA	LB5075100AJTN	6	50	$^{+13}_{-2}$	75	$^0_{-13}$	100	$^0_{-350}$
LB5075100OPTN	LB5075100OPTN	5	50	$^{+13}_{-2}$	75	$^0_{-13}$	100	$^0_{-350}$
LB5075100TN-2RS	LB5075100TN-2RS	6	50	$^{+13}_{-2}$	75	$^0_{-13}$	100	$^0_{-350}$

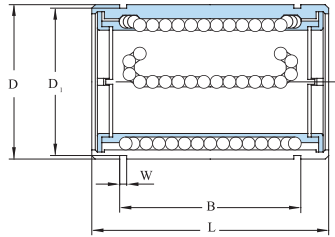


Harbin Bearing
Group Corporation

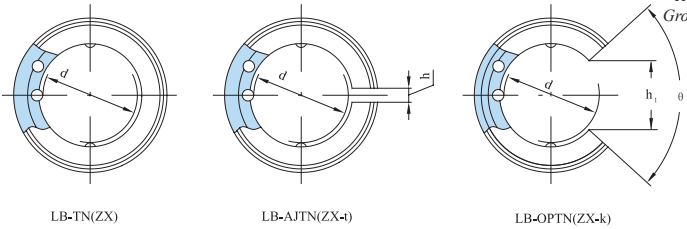


Allowable deriation (μ m)							Radiad runout(μ m)	Dynamic Load Ratings (N)		Static Load Ratings (N)	
B								C		Co	
Nominal	Deviations	W	D ₁	h	h ₁	θ	max	min	max	min	max
14.5	$^0_{-200}$	1.1	11.5				J	78.4	78.4	156.8	156.8
14.5	$^0_{-200}$	1.1	11.5	1			20	78.4	78.4	156.8	156.8
16.5	$^0_{-200}$	1.1	15.2				20	107.8	107.8	215.6	215.6
16.5	$^0_{-200}$	1.1	15.2	1			20	107.8	107.8	215.6	215.6
22.9	$^0_{-200}$	1.3	21				20	254.8	362.6	480.2	676.2
22.9	$^0_{-200}$	1.3	21	1.5			20	254.8	362.6	480.2	676.2
22.9	$^0_{-200}$	1.3	21		8.46	78	20	254.8	362.6	480.2	676.2
22.9	$^0_{-200}$	1.3	21				20	254.8	362.6	480.2	676.2
24.9	$^0_{-200}$	1.3	24.9				20	284.2	401.8	499.8	705.6
24.9	$^0_{-200}$	1.3	24.9	1.5			20	284.2	401.8	499.8	705.6
24.9	$^0_{-200}$	1.3	24.9				20	284.2	401.8	499.8	705.6
24.9	$^0_{-200}$	1.3	24.9		9.97	78	20	284.2	401.8	499.8	705.6
31.5	$^0_{-200}$	1.6	30.3				25	558.6	823.2	970.2	1470
31.5	$^0_{-200}$	1.6	30.3	2			25	558.6	823.2	970.2	1470
31.5	$^0_{-200}$	1.6	30.3		10	60	25	558.6	823.2	970.2	1470
31.5	$^0_{-200}$	1.6	30.3				25	558.6	823.2	970.2	1470
44.1	$^0_{-300}$	1.85	37.5				25	872.2	1078	1568	2058
44.1	$^0_{-300}$	1.85	37.5	2			25	872.2	1078	1568	2058
44.1	$^0_{-300}$	1.85	37.5		12.5	60	25	872.2	1078	1568	2058
44.1	$^0_{-300}$	1.85	37.5				25	872.2	1078	1568	2058
52.1	$^0_{-300}$	1.85	44.5				25	1274	1666	2156	2744
52.1	$^0_{-300}$	1.85	44.5	2			25	1274	1666	2156	2744
52.1	$^0_{-300}$	1.85	44.5		12.5	50	25	1274	1666	2156	2744
52.1	$^0_{-300}$	1.85	44.5				25	1274	1666	2156	2744
60.6	$^0_{-300}$	2.15	59				30	2058	2646	3528	4606
60.6	$^0_{-300}$	2.15	59	3			30	2058	2646	3528	4606
60.6	$^0_{-300}$	2.15	59		17.33	50	30	2058	2646	3528	4606
60.6	$^0_{-300}$	2.15	59				30	2058	2646	3528	4606
77.6	$^0_{-300}$	2.65	72				30	4018	5096	6958	8918
77.6	$^0_{-300}$	2.65	72	3			30	4018	5096	6958	8918
77.6	$^0_{-300}$	2.65	72		21	50	30	4018	5096	6958	8918
77.6	$^0_{-300}$	2.65	72				30	4018	5096	6958	8918

Linear motion ball bearings



Designations		Number of rows	Boundary dimensions (mm)					
			d		D		L	
HRB	International		Nominal	Deviations	Nominal	Deviations	Nominal	Deviations
ZXt6090125A	LB6090125TN	6	60	$^{+13}_{-2}$	90	$^{-0}_{-15}$	125	$^{-0}_{-400}$
ZXt6090125tA	LB6090125AJTN	6	60	$^{+13}_{-2}$	90	$^{-0}_{-15}$	125	$^{-0}_{-400}$
ZXt6090125KA	LB6090125OPTN	5	60	$^{+13}_{-2}$	90	$^{-0}_{-15}$	125	$^{-0}_{-400}$
ZXt80120165A	LB80120165TN	6	80	$^{+16}_{-4}$	120	$^{-0}_{-15}$	165	$^{-0}_{-400}$
ZXt80120165tA	LB80120165AJTN	6	80	$^{+16}_{-4}$	120	$^{-0}_{-15}$	165	$^{-0}_{-250}$
ZXt80120165KA	LB80120165OPTN	5	80	$^{+16}_{-4}$	120	$^{-0}_{-15}$	165	$^{-0}_{-400}$



Allowable deriation (μ m)							Radiad runout(μ m)	Dynamic Load Ratings (N)		Static Load Ratings (N)	
B											
Nominal	Deviations	W	D ₁	h	h ₁	θ	max	C		Co	
							J	min	max	min	max
101.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	3.15	86.5				30	5194	6664	8918	11368
101.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	3.15	86.5	3			30	5194	6664	8918	11368
101.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	3.15	86.5		27.2	54	30	5194	6664	8918	11368
133.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	4.15	116				30	8820	11368	14210	18228
133.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	4.15	116	3			30	8820	11368	14210	18228
133.7	$\begin{smallmatrix} 0 \\ -400 \end{smallmatrix}$	4.15	116		36.3	54	30	8820	11368	14210	18228



Harbin Bearing
Group Corporation

