BEARING CATALOGUE

RKB
BEARING INDUSTRIES
SWITZERLAND

The Swiss Premium Class Bearing Manufacturer

The RKB Bearing Industries Group is the Swiss manufacturing organization which has been operating in the bearing industry since 1936, with a monthly production capacity exceeding 350 tons of machined steel.
The experience gained over the years provides RKB with the know-how and expertise necessary for the development and manufacture of technological industrial bearings up to 1925 mm outer diameter.
RKB offers reliable cost-effective solutions, with extreme operational flexibility, leading-edge service, huge stock availability, short delivery time and the typical quality of a consistent premium class bearing source. With a worldwide distribution network and exports to more than 50 countries, RKB is globally recognized as ***"The Alternative Power"*** in the bearing industry.

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Main prefixes and suffixes

Prefixes	
GS	Housing washer of cylindrical roller thrust bearings
K	Cylindrical roller and cage thrust assembly
L	Separable bearing ring, including possible loose lips of separable roller bearings. Also, separable bearing rings which consist of several parts
R	Bearing ring with rolling element and cage assembly of separable roller bearings or needle roller bearings
WS	Shaft washer of cylindrical roller thrust bearings

Tab. 1 - Prefixes

Suffixes	Internal design
A…Z 1…n	Modification code to the bearing. Typically placed at the end of the part number, the meaning of these characters is not specifically fixed (e.g. modified internal design or configuration, special production protocol, application optimized version, filled with non-standard grease or other special feature). The actual modification to the original design is specific to the individual bearing and is provided on the related drawing. Combinations of letters and digits are also used (e.g. AC, A2). Sometimes, this type of suffix is preceded by an oblique stroke (e.g. /4)
E/EC	Optimized internal design with reinforced execution and/or increased load ratings
SP	Special or non-standard bearing
AOB	Application optimized bearing

Tab. 2 - Suffixes: internal design

Suffixes	External design
K	Tapered bore, taper 1:12
K30	Tapered bore, taper 1:30
ZB	Optimized roller profile for improved load distribution. It is not necessarily stated in the bearing code

Tab. 3 - Suffixes: external design

Suffixes	Set
DB	Two bearings matched for mounting back-to-back
DF	Two bearings matched for mounting face-to-face
DT	Two bearings matched for mounting in tandem
2x…	Pair of two bearings
3x…	Group of three bearings
SET 2x…	Set of two bearings with possible presence of spacers
SET 3x…	Set of three bearings with possible presence of spacers

Tab. 4 - Suffixes: set

Suffixes	Materials and heat treatments
HB1	Bainite hardened outer and inner ring
HB2	Bainite hardened outer ring
HB3	Bainite hardened inner ring
HB4	Bainite hardened outer and inner ring and rolling elements
HB5	Bainite hardened rolling elements
HB6	Bainite hardened outer ring and rolling elements
HB7	Bainite hardened inner ring and rolling elements
HA1	Case hardened outer and inner ring
HA2	Case hardened outer ring
HA3	Case hardened inner ring
HA4	Case hardened outer and inner ring and rolling elements
HA5	Case hardened rolling elements
HA6	Case hardened outer ring and rolling elements
HA7	Case hardened inner ring and rolling elements

Tab. 5 - Suffixes: materials and heat treatments

Suffixes	Special surface treatments
AWT1	Anti-wear treated outer and inner ring
AWT2	Anti-wear treated outer ring
AWT3	Anti-wear treated inner ring
AWT4	Anti-wear treated outer and inner ring and rolling elements
AWT5	Anti-wear treated rolling elements
AWT6	Anti-wear treated outer ring and rolling elements
AWT7	Anti-wear treated inner ring and rolling elements
PT1	Phosphate treated outer and inner ring
PT2	Phosphate treated outer ring
PT3	Phosphate treated inner ring
PT4	Phosphate treated outer and inner ring and rolling elements
PT5	Phosphate treated rolling elements
PT6	Phosphate treated outer ring and rolling elements
PT7	Phosphate treated inner ring and rolling elements
ACT1	Anti-corrosion treated outer and inner ring
ACT2	Anti-corrosion treated outer ring
ACT3	Anti-corrosion treated inner ring

Tab. 6 - Suffixes: special surface treatments

Suffixes	Dimensional stabilizing
S0	Bearing rings heat stabilized for operating temperatures up to 150 °C (300 °F)
S1	Bearing rings heat stabilized for operating temperatures up to 200 °C (390 °F)
S2	Bearing rings heat stabilized for operating temperatures up to 250 °C (480 °F)
S3	Bearing rings heat stabilized for operating temperatures up to 300 °C (570 °F)

Tab. 7 - Suffixes: dimensional stabilizing

Suffixes	Dimensional and running accuracy, clearance
ABEC1	Approximated to tolerance class P0
ABEC3	Approximated to tolerance class P6
ABEC5	Approximated to tolerance class P5
ST	Special tolerance
C1	Radial internal clearance smaller than C2
C2	Radial internal clearance smaller than Normal
CN	Normal radial internal clearance
C3	Radial internal clearance greater than Normal
C4	Radial internal clearance greater than C3
C5	Radial internal clearance greater than C4
C…S	Special radial internal clearance in a given range of the stated class
C…SL	Special radial internal clearance in the lower part of the stated class (e.g. C4SL = radial internal clearance in the lower part of C4)
C…ST	Special radial internal clearance in the upper part of the stated class (e.g. C4ST = radial internal clearance in the upper part of C4)
C…R	Radial internal clearance between upper part of previous class and lower part of the stated class (e.g. C4R = radial internal clearance between upper part of C3 and lower part of C4)
CS	Special radial internal clearance
P0	Dimensional and running accuracy to ISO tolerance class 0
P5	Dimensional and running accuracy to ISO tolerance class 5
P6	Dimensional and running accuracy to ISO tolerance class 6
P6S	Dimensional and running accuracy between P6 and P5
P51	P5 + C1
P52	P5 + C2
P53	P5 + C3
P54	P5 + C4
P55	P5 + C5
P61	P6 + C1
P62	P6 + C2
P63	P6 + C3
P64	P6 + C4
P65	P6 + C5
P62R	P6 + radial internal clearance between upper part of C1and lower part of C2
P63R	P6 + radial internal clearance between upper part of normal and lower part of C3
P64R	P6 + radial internal clearance between upper part of C3 and lower part of C4
P65R	P6 + radial internal clearance between upper part of C4 and lower part of C5
SP	Special precision class

Tab. 8 - Suffixes: dimensional and running accuracy, clearance

Suffixes	Other
VL	Victory Line: combination of state-of-the-art bearing features to meet the ever-demanding requirements of modern machinery. It is a combination of factors connected to internal geometry, surface finish, cage design, steel cleanliness, advanced heat treatments, and optimization of rolling element/raceway contact. It is not necessarily stated in the bearing code

Tab. 9 - Suffixes: other

Bearing designation	Decoding
6315 MC4S2	• bearing type 6: deep groove ball bearing • dimension series 03: width series 0 and diameter series 3 • bore diameter code 15: bore diameter 15 x 5 = 75 mm • cage type code M: machined brass cage guided on rolling elements • precision class: P0 • radial internal clearance: C4 • special suffix S2: rings heat stabilized for operating temperatures up to 250 °C
N 1964 KMP62ZB	• bearing type N: single row cylindrical roller bearing • dimension series 19: width series 1 and diameter series 9 • bore diameter code 64: bore diameter 64 x 5 = 320 mm • ring design K: tapered bore, taper 1:12 • cage type code M: machined brass cage guided on rolling elements • precision class: P6 • radial internal clearance: C2 • special suffix ZB: optimized roller profile
24130 K30CAW33S1	• bearing type 2: double row spherical roller bearing • dimension series 41: width series 4 and diameter series 1 • bore diameter code 30: bore diameter 30 x 5 = 150 mm • ring design K30: tapered bore, taper 1:30 • cage type code CA: double pronged machined brass cage. Bearing with symmetrical roller and retaining ribs • special suffix W33: annular groove and lubrication holes in the outer ring • special suffix S1: rings heat stabilized for operating temperatures up to 200 °C
293/600 EM	• bearing type 2: spherical roller bearing (thrust) • dimension series 93: height series 9 and diameter series 3 • bore diameter 600 mm • bearing design E: optimized internal design with reinforced execution • cage type code M: machined brass cage guided on shaft washer with or without retaining sleeve

Tab. 10 - Bearing designation examples

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Ball bearings

The ball bearings (BBs) manufactured by RKB come in many designs, dimensions and series. They are conceived to withstand combined loads and high speeds, covering most requirements in a number of standard and special industrial applications. All RKB BBs are made from high quality materials and special heat treatments for superior performance.

Available in single and double row configuration, in open or sealed version, they are low-maintenance, which makes them an irreplaceable cost-effective solution in many cases.

For large size BBs, RKB can also apply Bainite Hardening Treatment (HB) and High Temperature Dimensional Stabilization (S) on rings and balls. The bearing dimensional and running accuracy conforms to ISO/ABMA/GOST specifications.

Deep groove ball bearings

Deep groove ball bearings

RKB offers a wide range of deep grove ball bearings (DGBBs) in single row design (open, sealed or shielded), with proven performance in many industrial fields. Having optimized internal geometry, they can operate at high speeds, sustaining radial and axial loads in both directions and generating low friction.

RKB DGBBs are engineered to successfully respond to the most demanding application requirements, in terms of high speeds, heavy loads and low noise. This is mainly due to the use of the best raw materials and manufacturing technology, that permit to deliver only premium deep groove ball bearings.

Bearings with contact seals

Seals are retained in their correct position by a recess in the outer ring. They are normally made by acrylonitrile-butadiene rubber (NRB) with a metallic reinforcement, so the continuous range working temperature is from -40 to 100 °C. A peak temperature of 120 °C can be supported for a short period of time. If the sealed bearings have to be used in harsh conditions, e.g. high temperature or high rotation speed, a grease leakage from the inner ring side could take place. In these cases a special seals design could be requested, so please consult the RKB application engineering service.

Internal clearance

Single row deep groove ball bearings are produced as standard with Normal radial clearance CN, but they can be manufactured featuring C2 ,C3, C4 and C5 radial clearance, in accordance with the ISO 5753:2009.

Bearings with special radial clearance in a different range than ISO 5753:2009 can be manufactured on request.

The radial clearance values are provided in the **Tab. 1 page 14** and they are valid only for bearing not yet mounted and loaded.

Misalignment

For single row deep groove ball bearing is not possible to determine a unique value of the shaft and housing misalignment.

Permissible misalignment depends on several factors such as:

- Radial internal clearance;
- Bearing size;
- Internal design;
- Forces and moments acting on it.

According to the above concept and depending on the influences of all these variables, the corresponding permissible misalignment vary between 2 and 10 minutes of arc, but it has to be considered that the induced additional stress inside the bearing influences negatively its service life.

For additional information, please consult the RKB application engineering service.

Minimum load

A minimum radial load is requested for single row deep groove ball bearing to allow an adeguate operating condition, especially in presence of difficult working conditions like: high speed, high acceleration and sudden changes of rotating direction. According to these operating conditions, a skidding between balls and raceways can be generated by the inertial forces, influencing negatively the bearing life. Minimum radial load help to prevent such problem and can be theoretically estimated using the following formula:

$$\frac{F_{rm}}{C_r} > 0{,}015$$

where:

- F_{rm} minimum radial load, [kN];
- C_r basic dynamic load rating, [kN].

Usually, the minimum radial load is reached or surpassed by the weight of the components supported by the bearing together with the loads acting on it, otherwise supplementary radial load must be applied on the single row deep groove ball bearing. In application where a starting up at a low temperature is planned or a lubricant with high viscosity is used, a larger minimum radial load is required.

It is possible to apply the axial preload for single row deep groove ball bearing by adjusting one ring against the other one or by using springs.

Axial load carrying capacity

If the single row deep groove ball bearings are subjected to the axial load, its value should not exceed:

- 0.25 C_0 for small bearing (bore up to 12 mm) and light series bearing (diameter series 8, 9, 0 and 1);
- 0.5 C_0 for the other series.

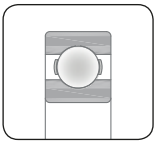
It has to be considered that an excessive axial load will influenced negatively the bearing life.

d [mm]		Radial internal clearance [µm]									
		C2		CN		C3		C4		C5	
over	incl.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
2,5	6	0	7	2	13	8	23	–	–	–	–
6	10	0	7	2	13	8	23	14	29	20	37
10	18	0	9	3	18	11	25	18	33	25	45
18	24	0	10	5	20	13	28	20	36	28	48
24	30	1	11	5	20	13	28	23	41	30	53
30	40	1	11	6	20	15	33	28	46	40	64
40	50	1	11	6	23	18	36	30	51	45	73
50	65	1	15	8	28	23	43	38	61	55	90
65	80	1	15	10	30	25	51	46	71	65	105
80	100	1	18	12	36	30	58	53	84	75	120
100	120	2	20	15	41	36	66	61	97	90	140
120	140	2	23	18	48	41	81	71	114	105	160
140	160	2	23	18	53	46	91	81	130	120	180
160	180	2	25	20	61	53	102	91	147	135	200
180	200	2	30	25	71	63	117	107	163	150	230
200	225	2	35	25	85	75	140	125	195	175	265
225	250	2	40	30	95	85	160	145	225	205	300
250	280	2	45	35	105	90	170	155	245	225	340
280	315	2	55	40	115	100	190	175	270	245	370
315	355	3	60	45	125	110	210	195	300	275	410
355	400	3	70	55	145	130	240	225	340	315	460
400	450	3	80	60	170	150	270	250	380	350	520
450	500	3	90	70	190	170	300	280	420	390	570
500	560	10	100	80	210	190	330	310	470	440	630
560	630	10	110	90	230	210	360	340	520	490	700
630	710	20	130	110	260	240	400	380	570	540	780
710	800	20	140	120	290	270	450	430	630	600	860
800	900	20	160	140	320	300	500	480	700	670	960
900	1 000	20	170	150	350	330	550	530	770	740	1 040
1 000	1 120	20	180	160	380	360	600	580	850	820	1 150
1 120	1 250	20	190	170	410	390	650	630	920	890	1 260
1 250	1 400	30	200	190	440	420	700	680	1 000	–	–
1 400	1 600	30	210	210	470	450	750	730	1 060	–	–

Tab. 1 - Radial internal clearance of deep groove ball bearings

Designs and variants

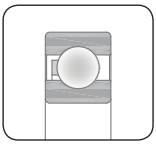
Type J



HB BAINITE HT · S STABILIZATION

- One-piece inner and outer ring
- High strength two-piece pressed steel cage guided on balls (J)
- Execution suitable for high operating speeds
- Available with snap ring groove in outer ring for axial location (N)

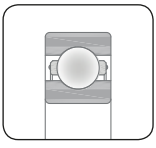
Type TN



HB BAINITE HT · S STABILIZATION · R+ REINFORCED

- One-piece inner and outer ring
- Moulded glass fiber reinforced polyamide snap-in cage guided on balls (TN)
- Execution suitable for very high accelerations and operating speeds

Type M

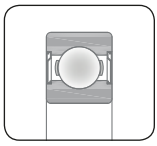


HB BAINITE HT · S STABILIZATION · O+ OPTIMIZED

- One-piece inner and outer ring
- Two-piece machined brass cage guided on balls (M)
- Execution suitable for very high operating speeds
- Available with two-piece machined brass cage guided on inner ring (MB) or outer ring (MA)
- Available with axial lubrication grooves in the guiding surface of the cage (MAS/MBS)
- Available with locating slot for axial location (N)

Special designs and variants

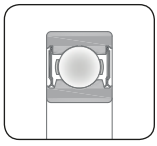
Seal type ZZ



HB BAINITE HT · S STABILIZATION · O+ OPTIMIZED

- One-piece inner and outer ring
- High strength two-piece pressed steel cage guided on balls (J)
- Two non-contacting steel shields at both sides (ZZ)
- Supplied already filled with grease for maintenance free operations
- Shielded type to keep the grease inside the bearing without compromising the limiting speed

Seal type 2RS



HB BAINITE HT · S STABILIZATION · O+ OPTIMIZED

- One-piece inner and outer ring
- High strength two-piece pressed steel cage guided on balls (J)
- Two contacting rubber seals at both sides (2RS, or 2RSL for light contact)
- Supplied already filled with grease for maintenance free operations
- Sealed type to keep the grease inside the bearing and enhance contaminant exclusion

Prefixes

F	Flanged outer ring
DGBB	Out of standard deep groove ball bearing followed by drawing number

Suffixes — Internal design

HSA	Special execution for high-speed wire guide blocks

Suffixes — Cage

J	Pressed steel cage
M	Machined brass cage guided on rolling elements
MA	Machined brass cage guided on outer ring
MAS	Machined brass cage guided on outer ring with lubrication grooves in the guiding surface
MB	Machined brass cage guided on inner ring
MBS	Machined brass cage guided on inner ring with lubrication grooves in the guiding surface
TN or ATN	Molded polyamide cage (PA66) guided on rolling elements
TN9	Molded glass fiber-reinforced polyamide cage (PA66-GF25) guided on rolling elements

Suffixes — Accuracy, clearance, running

ABEC1	Approximated to tolerance class P0
ABEC3	Approximated to tolerance class P6
ABEC5	Approximated to tolerance class P5
ST	Special tolerance
CM	Special radial internal clearance for EMQ applications

MC1…MC6

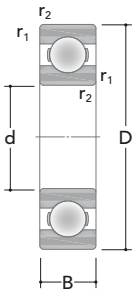
Radial internal clearance of extra small and miniature ball bearings — Units: µm

Clearance symbol	MC1		MC2		MC3		MC4		MC5		MC6	
	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	min.	max.
Clearance	0	5	3	8	5	10	8	13	13	20	20	28

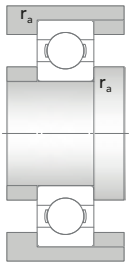
Remarks 1. The standard clearance is MC3.
2. To obtain the measured value, add the correction amount in the table below

CS	Special radial internal clearance
EMQ	Electric motor quality: bearing specifically designed for quiet running in electric motors
S12	Special selection for extremely low noise running
P66	Vibration peaks and noise level lower than normal

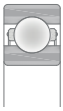
Suffixes	External design
Z	Shield on one side
ZZ or 2Z	Shield on both sides
RS	Contact seal on one side
2RS	Contact seal on both sides
RSL	Light contact seal on one side
2RSL	Light contact seal on both sides
G/R3	Filled with exceptionally good low noise and long life grease usable over a wide range of temperatures
G/R4	Filled with good low noise and high temperature, high speed and long life grease
N	Snap ring groove in outer ring
NR	Snap ring groove in outer ring with suitable snap ring
N1	One locating slot in outer ring
N2	Two locating slots in outer ring



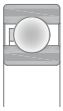
J



Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
3	10	4	0,55	0,19	0,007	124000	70400	**623**
4	9	2,5	0,46	0,13	0,006	134000	73100	**618/4**
	11	4	0,71	0,20	0,009	127000	71200	**619/4**
	12	4	0,94	0,32	0,014	116000	65300	**604**
	13	5	1,04	0,31	0,013	107000	59000	**624**
	16	5	1,24	0,43	0,018	92600	54000	**634**
5	11	3	0,51	0,16	0,007	115000	66000	**618/5**
	13	4	1,00	0,37	0,015	107000	62300	**619/5**
	16	5	1,16	0,38	0,016	92400	51000	**625**
	19	6	2,32	0,95	0,040	77900	43100	**635**
6	13	3,5	0,77	0,25	0,011	106000	59000	**618/6**
	15	5	0,98	0,31	0,013	97600	56100	**619/6**
	19	6	2,29	0,94	0,040	77600	44500	**626**
7	14	3,5	0,88	0,30	0,013	96700	56700	**618/7**
	17	5	1,16	0,41	0,017	86900	47600	**619/7**
	19	6	2,29	0,95	0,040	82300	45100	**607**
	22	7	3,38	1,35	0,056	68000	39600	**627**
8	16	4	0,84	0,32	0,013	88100	49300	**618/8**
	19	6	1,51	0,50	0,022	82200	47700	**619/8**
	22	7	3,52	1,36	0,057	72800	41300	**608**
	24	8	3,98	1,65	0,071	61400	34800	**628**
9	17	4	0,89	0,36	0,015	82800	46100	**618/9**
	20	6	2,43	1,01	0,044	76900	44500	**619/9**
	24	7	3,94	1,65	0,071	67300	37800	**609**
	26	8	4,70	1,95	0,083	57900	32700	**629**
10	19	5	1,75	0,86	0,037	76800	41300	**61800**

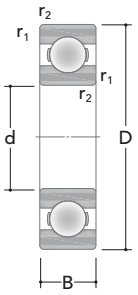


M

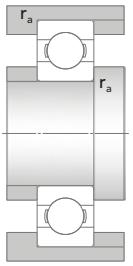


TN

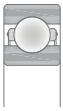
Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
3	0,15	0,1	0,002	623
4	0,1	0,1	0,001	618/4
	0,15	0,1	0,002	619/4
	0,2	0,2	0,002	604
	0,2	0,2	0,003	624
	0,3	0,3	0,005	634
5	0,15	0,1	0,001	618/5
	0,2	0,2	0,003	619/5
	0,3	0,3	0,005	625
	0,3	0,3	0,009	635
6	0,15	0,1	0,002	618/6
	0,2	0,2	0,004	619/6
	0,3	0,3	0,008	626
7	0,15	0,1	0,002	618/7
	0,3	0,3	0,005	619/7
	0,3	0,3	0,008	607
	0,3	0,3	0,012	627
8	0,2	0,2	0,003	618/8
	0,3	0,3	0,007	619/8
	0,3	0,3	0,012	608
	0,3	0,3	0,018	628
9	0,2	0,2	0,003	618/9
	0,3	0,3	0,008	619/9
	0,3	0,3	0,014	609
	0,3	0,3	0,02	629
10	0,3	0,3	0,005	61800



J



Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
10	22	6	2,81	1,30	0,055	67400	39600	**61900**
(cont.)	26	8	4,75	1,93	0,082	64500	34400	**6000**
	28	8	5,26	2,53	0,107	58200	34200	**16100**
	30	9	5,45	2,35	0,100	54700	32000	**6200**
	35	11	8,52	3,38	0,142	48200	28500	**6300**
12	21	5	1,83	0,96	0,041	68100	37400	**61801**
	24	6	3,07	1,56	0,066	65300	34400	**61901**
	28	8	5,45	2,36	0,100	58700	32700	**6001**
	30	8	5,07	2,46	0,104	58200	34200	**16101**
	32	10	7,21	3,04	0,129	48500	28200	**6201**
	37	12	10,20	4,11	0,174	43600	24400	**6301**
15	24	5	1,90	1,13	0,049	57900	32800	**61802**
	28	7	4,46	2,30	0,098	54000	29600	**61902**
	32	8	5,85	2,81	0,118	48800	27800	**16002**
	32	9	5,73	2,82	0,119	48400	28500	**6002**
	35	11	7,90	3,71	0,158	41600	23800	**6202**
	42	13	11,90	5,39	0,228	37100	21100	**6302**
17	26	5	2,04	1,35	0,057	54000	30600	**61803**
	30	7	4,81	2,68	0,114	48100	28500	**61903**
	35	8	6,50	3,24	0,137	44000	24400	**16003**
	35	10	6,24	3,23	0,136	43800	24400	**6003**
	40	12	9,95	4,73	0,199	37000	20600	**6203**
	47	14	14,2	6,49	0,272	32900	18700	**6303**
	62	17	24,0	11,1	0,468	27100	16000	**6403**
20	32	7	4,10	2,36	0,106	44000	25200	**61804**
	37	9	6,66	3,83	0,164	41600	22900	**61904**
	42	8	7,28	3,98	0,170	36900	21100	**16004**
	42	12	9,95	4,96	0,210	36900	21400	**6004**
	47	14	13,4	6,44	0,275	31100	18000	**6204**



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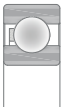
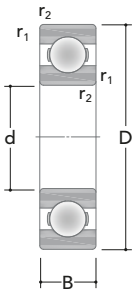


TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
10	0,3	0,3	0,01	61900
(cont.)	0,3	0,3	0,019	6000
	0,3	0,3	0,024	16100
	0,6	0,6	0,031	6200
	0,6	0,6	0,053	6300
12	0,3	0,3	0,006	61801
	0,3	0,3	0,011	61901
	0,3	0,3	0,021	6001
	0,3	0,3	0,026	16101
	0,6	0,6	0,037	6201
	1	1	0,06	6301
15	0,3	0,3	0,007	61802
	0,3	0,3	0,016	61902
	0,3	0,3	0,03	16002
	0,3	0,3	0,03	6002
	0,6	0,6	0,045	6202
	1	1	0,082	6302
17	0,3	0,3	0,008	61803
	0,3	0,3	0,016	61903
	0,3	0,3	0,038	16003
	0,3	0,3	0,038	6003
	0,6	0,6	0,065	6203
	1	1	0,11	6303
	1,1	1	0,27	6403
20	0,3	0,3	0,018	61804
	0,3	0,3	0,037	61904
	0,3	0,3	0,05	16004
	0,6	0,6	0,067	6004
	1	1	0,11	6204



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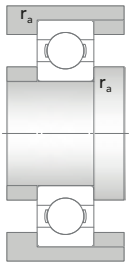
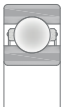


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
20	52	15	16,5	7,66	0,329	28800	16300	**6304**
(cont.)	72	19	31,9	16,0	0,683	23200	12800	**6404**
22	50	14	14,0	8,02	0,341	29000	16500	**62/22**
	56	16	19,2	9,62	0,403	27300	15700	**63/22**
25	37	7	4,48	2,79	0,134	36800	21400	**61805**
	42	9	7,31	4,62	0,207	34700	19800	**61905**
	47	8	7,90	4,70	0,210	31300	17600	**16005**
	47	12	11,7	6,44	0,270	30800	18000	**6005**
	52	15	14,8	7,70	0,331	27000	15800	**6205**
	62	17	23,6	11,4	0,482	23100	13600	**6305**
	80	21	35,8	19,9	0,840	19200	11300	**6405**
28	58	16	17,3	10,2	0,435	25000	14400	**62/28**
	68	18	25,8	14,0	0,598	21500	12000	**63/28**
30	42	7	4,61	2,98	0,150	31200	17600	**61806**
	47	9	7,62	4,72	0,220	29300	16200	**61906**
	55	9	12,0	7,22	0,305	27200	14800	**16006**
	55	13	13,9	8,27	0,354	27000	15100	**6006**
	62	16	20,3	11,0	0,467	23000	12900	**6206**
	72	19	29,9	15,8	0,662	19200	11100	**6306**
	90	23	44,5	24,3	1,03	17400	9500	**6406**
35	47	7	4,59	3,43	0,143	29200	15700	**61807**
	55	10	11,3	8,30	0,346	25100	14200	**61907**
	62	9	13,3	8,02	0,369	23300	13500	**16007**
	62	14	16,6	10,2	0,440	23200	13100	**6007**
	72	17	27,5	15,1	0,646	19300	11700	**6207**
	80	21	35,8	19,4	0,831	18200	10200	**6307**
	100	25	54,9	32,6	1,36	15400	8900	**6407**



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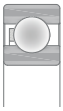
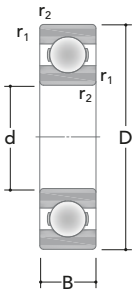


TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
20	1,1	1	0,14	**6304**
(cont.)	1,1	1	0,41	**6404**
22	1	1	0,13	**62/22**
	1,1	1	0,18	**63/22**
25	0,3	0,3	0,022	**61805**
	0,3	0,3	0,045	**61905**
	0,3	0,3	0,06	**16005**
	0,6	0,6	0,078	**6005**
	1	1	0,13	**6205**
	1,1	1	0,23	**6305**
	1,5	1,5	0,54	**6405**
28	1	1	0,17	**62/28**
	1,1	1	0,3	**63/28**
30	0,3	0,3	0,025	**61806**
	0,3	0,3	0,049	**61906**
	0,3	0,3	0,089	**16006**
	1	1	0,12	**6006**
	1	1	0,2	**6206**
	1,1	1	0,35	**6306**
	1,5	1,5	0,75	**6406**
35	0,3	0,3	0,029	**61807**
	0,6	0,6	0,08	**61907**
	0,3	0,3	0,11	**16007**
	1	1	0,15	**6007**
	1,1	1	0,29	**6207**
	1,5	1,5	0,46	**6307**
	1,5	1,5	0,97	**6407**



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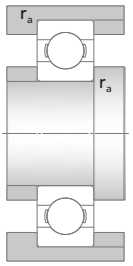
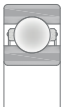


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
40	52	7	4,65	3,96	0,169	25400	14200	**61808**
	62	12	14,0	10,3	0,438	23400	12300	**61908**
	68	9	13,9	10,1	0,436	21500	12600	**16008**
	68	15	17,4	10,8	0,481	21400	12600	**6008**
	80	18	33,2	18,9	0,796	17300	9800	**6208**
	90	23	41,5	23,8	1,01	16500	9700	**6308**
	110	27	65,8	37,8	1,58	13600	8000	**6408**
45	58	7	6,92	6,26	0,267	21200	12000	**61809**
	68	12	14,1	11,0	0,474	19400	11600	**61909**
	75	10	16,8	10,6	0,510	19400	10200	**16009**
	75	16	21,7	14,5	0,636	19400	10700	**6009**
	85	19	35,1	21,3	0,902	16500	9700	**6209**
	100	25	55,9	31,3	1,33	14600	8200	**6309**
	120	29	78,6	48,0	2,03	12500	7400	**6409**
50	65	7	7,07	7,00	0,293	19300	11300	**61810**
	72	12	14,8	12,2	0,517	18200	10400	**61910**
	80	10	17,1	11,3	0,555	17400	9800	**16010**
	80	16	22,9	15,8	0,701	17600	9600	**6010**
	90	20	36,4	23,0	0,970	14500	8800	**6210**
	110	27	65,0	37,8	1,59	12600	10850	**6310**
	130	31	90,9	53,9	2,28	11600	6500	**6410**
55	72	9	9,48	9,32	0,397	18600	10600	**61811**
	80	13	16,6	15,1	0,647	16600	9700	**61911**
	90	11	20,1	13,9	0,690	15500	8600	**16011**
	90	18	29,3	20,9	0,887	15400	8900	**6011**
	100	21	46,7	28,5	1,23	13600	8100	**6211**
	120	29	74,1	44,6	1,88	11500	7000	**6311**
	140	33	102	64,7	2,71	10600	6200	**6411**
60	78	10	12,3	11,6	0,499	16300	9800	**61812**



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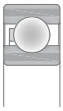
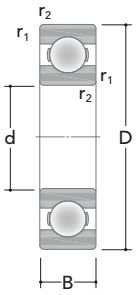


TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
40	0,3	0,3	0,032	61808
	0,6	0,6	0,12	61908
	0,3	0,3	0,13	16008
	1	1	0,19	6008
	1,1	1	0,37	6208
	1,5	1,5	0,63	6308
	2	2	1,25	6408
45	0,3	0,3	0,04	61809
	0,6	0,6	0,14	61909
	0,6	0,6	0,17	16009
	1	1	0,24	6009
	1,1	1	0,42	6209
	1,5	1,5	0,84	6309
	2	2	1,55	6409
50	0,3	0,3	0,052	61810
	0,6	0,6	0,14	61910
	0,6	0,6	0,18	16010
	1	1	0,26	6010
	1,1	1	0,45	6210
	2	2	1,1	6310
	2,1	2	1,95	6410
55	0,3	0,3	0,083	61811
	1	1	0,19	61911
	0,6	0,6	0,27	16011
	1,1	1	0,39	6011
	1,5	1,5	0,61	6211
	2	2	1,35	6311
	2,1	2	2,35	6411
60	0,3	0,3	0,11	61812



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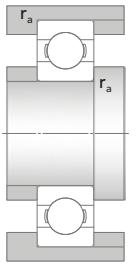
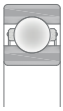


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
60	85	13	16,6	15,2	0,638	15600	8700	**61912**
(cont.)	95	11	20,4	15,0	0,735	14600	8400	**16012**
	95	18	30,1	23,0	0,972	14500	8300	**6012**
	110	22	54,2	35,7	1,52	12600	11810	**6212**
	130	31	84,3	51,6	2,18	10600	9200	**6312**
	150	35	113	72,2	3,01	9700	5500	**6412**
65	85	10	12,8	13,3	0,566	15400	8900	**61813**
	90	13	17,5	16,4	0,697	14400	8500	**61913**
	100	11	22,3	19,4	0,822	13700	7900	**16013**
	100	18	32,2	24,7	1,05	13600	7800	**6013**
	120	23	57,9	40,0	1,71	11700	6700	**6213**
	140	33	98,5	59,0	2,46	9700	8100	**6313**
	160	37	120	83,5	3,37	9200	5400	**6413**
70	90	10	12,8	13,7	0,581	14400	7800	**61814**
	100	16	24,9	21,8	0,925	13700	7300	**61914**
	110	13	29,1	24,6	1,04	12600	7100	**16014**
	110	20	40,1	30,8	1,31	12600	7000	**6014**
	125	24	63,1	44,2	1,87	10600	6200	**6214**
	150	35	112	66,7	2,70	9200	7950	**6314**
	180	42	151	109	4,09	8300	4500	**6414**
75	95	10	13,1	15,1	0,644	13400	7300	**61815**
	105	16	24,4	23,1	0,995	12600	6900	**61915**
	115	13	30,5	27,0	1,14	11600	6500	**16015**
	115	20	41,2	33,3	1,42	11500	6600	**6015**
	130	25	68,2	48,3	2,01	9700	5900	**6215**
	160	37	121	75,1	2,95	8700	7230	**6315**
	190	45	159	117	4,26	7700	4500	**6415**
80	100	10	13,4	15,8	0,674	12500	7000	**61816**
	110	16	26,5	21,7	1,09	11600	6500	**61916**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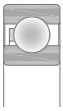
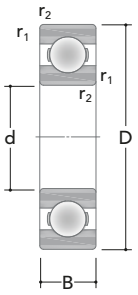

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
60	1	1	0,2	**61912**
(cont.)	0,6	0,6	0,29	**16012**
	1,1	1	0,41	**6012**
	1,5	1,5	0,78	**6212**
	2,1	2	1,7	**6312**
	2,1	2	2,85	**6412**
65	0,6	0,6	0,13	**61813**
	1	1	0,22	**61913**
	0,6	0,6	0,3	**16013**
	1,1	1	0,44	**6013**
	1,5	1,5	1	**6213**
	2,1	2	2,1	**6313**
	2,1	2	3,35	**6413**
70	0,6	0,6	0,14	**61814**
	1	1	0,35	**61914**
	0,6	0,6	0,44	**16014**
	1,1	1	0,61	**6014**
	1,5	1,5	1,1	**6214**
	2,1	2	2,55	**6314**
	3	2,5	4,95	**6414**
75	0,6	0,6	0,15	**61815**
	1	1	0,37	**61915**
	0,6	0,6	0,46	**16015**
	1,1	1	0,65	**6015**
	1,5	1,5	1,2	**6215**
	2,1	2	3,05	**6315**
	3	2,5	5,8	**6415**
80	0,6	0,6	0,15	**61816**
	1	1	0,38	**61916**



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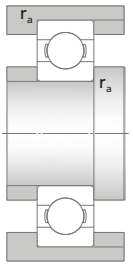
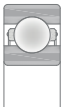


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
80	125	14	35,8	31,3	1,31	10700	6000	**16016**
(cont.)	125	22	48,9	39,9	1,66	10700	6200	**6016**
	140	26	72,8	54,8	2,19	9200	5300	**6216**
	170	39	129	85,0	3,19	8100	4800	**6316**
	200	48	171	133	4,79	7200	4200	**6416**
85	110	13	19,8	21,0	0,888	11600	6600	**61817**
	120	18	32,1	30,9	1,29	10700	6200	**61917**
	130	14	36,2	33,0	1,35	10700	5900	**16017**
	130	22	52,5	42,5	1,74	10700	6000	**6017**
	150	28	87,1	63,8	2,49	8700	4900	**6217**
	180	41	139	95,1	3,50	7700	4500	**6317**
	210	52	173	143	4,96	6700	3800	**6417**
90	115	13	19,7	23,1	0,961	10600	6000	**61818**
	125	18	34,2	33,8	1,38	10600	5800	**61918**
	140	16	42,7	38,5	1,54	9700	5400	**16018**
	140	24	59,9	49,8	1,95	9700	5500	**6018**
	160	30	102	72,8	2,77	8100	6780	**6218**
	190	43	154	107	3,76	7200	4300	**6318**
	225	54	190	153	5,10	6400	3800	**6418**
95	120	13	20,3	24,2	0,99	10600	5800	**61819**
	130	18	34,9	34,3	1,37	9700	5700	**61919**
	145	16	44,9	41,1	1,61	9100	5300	**16019**
	145	24	64,3	53,8	2,07	9200	5200	**6019**
	170	32	116	80,7	2,97	7600	6710	**6219**
	200	45	156	117	4,11	6700	4100	**6319**
100	125	13	17,9	19,2	1,00	9700	5500	**61820**
	140	20	42,6	44,0	1,73	9100	5300	**61920**
	150	16	45,7	43,4	1,68	9200	4800	**16020**
	150	24	65,0	53,0	2,00	9100	4900	**6020**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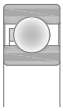
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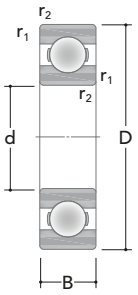
Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
80	0,6	0,6	0,61	16016
(cont.)	1,1	1	0,87	6016
	2	2	1,45	6216
	2,1	2	3,65	6316
	3	2,5	6,85	6416
85	1	1	0,27	61817
	1,1	1	0,55	61917
	0,6	0,6	0,64	16017
	1,1	1	0,92	6017
	2	2	1,8	6217
	3	2,5	4,25	6317
	4	3	8,05	6417
90	1	1	0,28	61818
	1,1	1	0,59	61918
	1	1	0,85	16018
	1,5	1,5	1,15	6018
	2	2	2,2	6218
	3	2,5	4,95	6318
	4	3	9,8	6418
95	1	1	0,3	61819
	1,1	1	0,61	61919
	1	1	0,89	16019
	1,5	1,5	1,1	6019
	2,1	2	2,65	6219
	3	2,5	5,75	6319
100	1	1	0,31	61820
	1,1	1	0,83	61920
	1	1	0,94	16020
	1,5	1,5	1,25	6020



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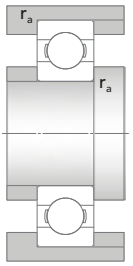
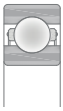


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
100	180	34	128	92,7	3,34	7200	4100	**6220**
(cont.)	215	47	180	145	4,92	6500	3900	**6320**
105	130	13	21,9	20,3	1,04	9700	5700	**61821**
	145	20	45,6	45,0	1,74	9200	5000	**61921**
	160	18	52,9	50,6	1,85	8100	4700	**16021**
	160	26	76,9	64,6	2,37	8200	4500	**6021**
	190	36	141	103	3,61	6700	4100	**6221**
	225	49	185	162	5,40	6100	3600	**6321**
110	140	16	29,2	27,0	1,30	9200	4800	**61822**
	150	20	44,6	46,5	1,72	8700	5000	**61922**
	170	19	60,5	56,4	2,02	7800	4300	**16022**
	170	28	86,9	72,4	2,56	7800	4300	**6022**
	200	38	153	117	3,97	6400	3700	**6222**
	240	50	209	189	5,99	5700	3300	**6322**
120	150	16	29,3	28,8	1,33	8200	4700	**61824**
	165	22	54,9	58,9	2,11	7700	4500	**61924**
	180	19	65,0	63,2	2,17	7200	4200	**16024**
	180	28	87,6	79,1	2,72	7300	4300	**6024**
	215	40	152	122	4,03	6100	3400	**6224**
	260	55	215	200	6,13	5400	2900	**6324**
130	165	18	38,5	46,1	1,72	7700	4100	**61826**
	180	24	67,8	71,3	2,43	7300	4000	**61926**
	200	22	84,9	81,4	2,70	6700	3700	**16026**
	200	33	110	100	3,35	6800	3800	**6026**
	230	40	159	137	4,31	5300	3200	**6226**
	280	58	235	223	6,50	4800	2800	**6326**
140	175	18	40,8	49,2	1,76	7300	4100	**61828**
	190	24	67,5	74,2	2,43	6700	4600	**61928**



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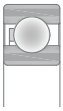

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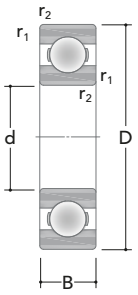
Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
100	2,1	2	3,15	6220
(cont.)	3	2,5	7,1	6320
105	1	1	0,32	61821
	1,1	1	0,87	61921
	1	1	1,2	16021
	2	2	1,6	6021
	2,1	2	3,8	6221
	3	2,5	8,15	6321
110	1	1	0,49	61822
	1,1	1	0,9	61922
	1	1	1,45	16022
	2	2	1,95	6022
	2,1	2	4,45	6222
	3	2,5	9,65	6322
120	1	1	0,54	61824
	1,1	1	1,2	61924
	1	1	1,55	16024
	2	2	2,1	6024
	2,1	2	5,25	6224
	3	2,5	12,5	6324
130	1,1	1	0,77	61826
	1,5	1,5	1,6	61926
	1,1	1	2,35	16026
	2	2	3,25	6026
	3	2,5	5,85	6226
	4	3	17,5	6326
140	1,1	1	0,85	61828
	1,5	1,5	2	61928



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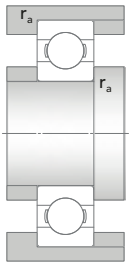
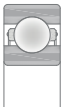


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
140	210	22	85,2	89,8	2,91	6500	3500	**16028**
(cont.)	210	33	114	110	3,51	6400	3500	**6028**
	250	42	167	152	4,61	5100	3100	**6228**
	300	62	259	258	7,48	4600	3600	**6328**
150	190	20	50,8	63,0	2,02	6500	3800	**61830**
	210	28	91,2	97,8	3,05	6100	4800	**61930**
	225	24	95,3	101	3,16	5800	3300	**16030**
	225	35	128	132	4,12	5800	3200	**6030**
	230	35	177	164	4,85	2600	2500	**306891**
	270	45	171	163	7,64	4800	2800	**6230**
	320	65	284	294	8,05	4100	3300	**6330**
160	200	20	51,3	68,4	2,14	6100	3400	**61832**
	220	28	95,3	102	3,19	5700	4100	**61932**
	240	25	104	110	3,31	5400	3200	**16032**
	240	38	150	149	4,48	5400	3100	**6032**
	290	48	192	190	5,41	4300	2600	**6232**
	340	68	292	293	7,86	3900	3100	**6332**
170	215	22	61,3	82,8	2,55	5700	3100	**61834**
	230	28	95,3	112	3,33	5300	4200	**61934**
	260	28	119	131	3,81	5100	2800	**16034**
	260	42	170	179	5,17	5100	3600	**6034**
	310	52	220	236	6,43	4100	3100	**6234**
	360	72	315	354	9,16	3600	2700	**6334**
180	225	22	65,8	83,6	2,51	5400	3100	**61836**
	250	33	120	139	4,18	5100	3700	**61936**
	259,5	33	145	153	4,45	2400	2100	**306840**
	280	31	141	151	4,29	4600	3500	**16036**
	280	46	189	215	6,02	4600	3400	**6036**
	320	52	241	244	6,51	3900	3100	**6236**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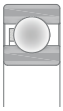
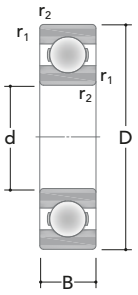

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
140	1,1	1	2,55	**16028**
(cont.)	2	2	3,45	**6028**
	3	2,5	7,75	**6228**
	4	3	21,5	**6328**
150	1,1	1	1,2	**61830**
	2	2	3,05	**61930**
	1,1	1	3,15	**16030**
	2,1	2	4,3	**6030**
	2,1	2	5,3	**306891**
	3	2,5	10	**6230**
	4	3	26	**6330**
160	1,1	1	1,25	**61832**
	2	2	3,2	**61932**
	1,5	1,5	3,65	**16032**
	2,1	2	5,2	**6032**
	3	2,5	13	**6232**
	4	3	30,5	**6332**
170	1,1	1	1,65	**61834**
	2	2	3,4	**61934**
	1,5	1,5	5	**16034**
	2,1	2	8,15	**6034**
	4	3	18	**6234**
	4	3	36	**6334**
180	1,1	1	1,75	**61836**
	2	2	5	**61936**
	2,7	2,5	5,95	**306840**
	2	2	6,5	**16036**
	2,1	2	10,5	**6036**
	4	3	18,5	**6236**



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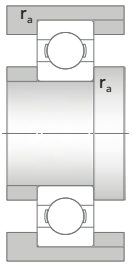
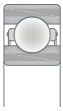


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
180	380	75	356	419	10,76	3400	2700	**6336**
(cont.)								
190	240	24	80,6	103	2,94	5100	2700	**61838**
	260	33	121	142	4,03	4800	3500	**61938**
	269,5	33	119	141	4,00	2300	2100	**306627**
	290	31	156	175	4,80	4600	2700	**16038**
	290	46	204	222	6,01	4600	3200	**6038**
	340	55	262	293	7,69	3600	2800	**6238**
	400	78	378	452	11,35	3200	2500	**6338**
190,5	290	46	197	222	6,01	2200	1900	**408997**
200	250	24	79,5	109	3,10	4800	2800	**61840**
	250	24	149	169	4,64	2000	1800	**306870**
	279,5	38	152	172	4,71	2100	1900	**360278**
	280	38	149	177	4,85	4600	3200	**61940**
	289,5	38	162	190	5,07	2000	1800	**306841**
	310	34	169	202	5,42	4100	2400	**16040**
	310	51	217	261	6,82	4100	3100	**6040**
	360	58	271	321	8,08	3400	2600	**6240**
	420	80	385	485	11,68	3000	2300	**6340**
220	270	24	82,0	118	3,22	4300	2500	**61844**
	300	38	156	192	5,07	4100	3000	**61944**
	300	25	83,0	126	3,31	2000	1800	**60944**
	309,5	38	159	190	5,01	1900	1800	**306867**
	340	37	178	211	5,38	3900	2000	**16044**
	340	56	257	303	7,68	3800	2600	**6044**
	400	65	296	384	9,26	3000	2400	**6244**
	460	88	415	527	12,2	2700	2100	**6344**
230	329,5	40	193	243	6,08	1800	1700	**306842**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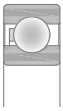
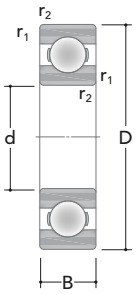

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
180 (cont.)	4	3	42	6336
190	1,5	1,5	2,25	61838
	2	2	5,2	61938
	2	2	6,25	306627
	2	2	6,9	16038
	2,1	2	11	6038
	4	3	22	6238
	5	4	48,5	6338
190,5	2	2	11	408997
200	1,5	1,5	2,35	61840
	1,9	1,5	2,65	306870
	2,1	2	7,25	360278
	2,1	2	7,3	61940
	2,1	2	8,7	306841
	2	2	8,8	16040
	2,1	2	14,5	6040
	4	3	26,5	6240
	5	4	55,5	6340
220	1,5	1,5	2,55	61844
	2,1	2	7,95	61944
	1,5	1,5	5	60944
	2,1	2	9,25	306867
	2,1	2	11,5	16044
	3	2,5	19	6044
	4	3	37	6244
	5	4	72,5	6344
230	2,1	2	12	306842



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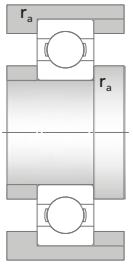
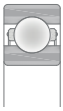


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
240	300	28	110	160	4,05	3900	2300	**61848**
	320	38	158	206	5,25	3800	2700	**61948**
	360	37	206	264	6,52	3500	2500	**16048**
	360	56	257	324	8,02	3400	2400	**6048**
	440	72	372	500	11,6	2900	2100	**6248**
	500	95	445	601	13,3	2500	2100	**6348**
260	320	28	112	173	4,25	3600	2100	**61852**
	360	46	217	288	6,99	3400	2500	**61952**
	369,5	46	217	290	7,25	1530	1500	**306862**
	400	44	251	325	7,55	3100	2400	**16052**
	400	65	305	389	9,13	3100	2400	**6052**
	480	80	393	561	12,5	2200	2000	**6252**
	540	102	521	745	15,7	2300	1800	**6352**
280	350	33	143	208	4,94	3200	2000	**61856**
	380	46	214	302	7,10	3000	2300	**61956**
	389,5	46	218	296	6,22	2900	2000	**306861**
	420	44	253	358	8,01	2900	2100	**16056**
	420	65	309	430	9,87	2900	2100	**6056**
	500	80	439	635	13,7	2500	1900	**6256**
	580	108	592	880	17,9	2200	1700	**6356**
300	380	38	176	258	5,90	3100	2200	**61860**
	420	56	275	386	8,54	2900	2000	**61960**
	460	50	285	416	9,04	2700	1800	**16060**
	460	74	364	514	11,2	2700	1800	**6060**
	540	85	470	708	14,5	2300	1700	**6260**
320	400	38	173	272	6,08	2900	2000	**61864**
	440	37	218	325	7,02	2800	2100	**60964**
	440	56	277	430	9,30	2700	2000	**61964**
	480	50	291	416	8,88	2500	1800	**16064**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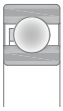
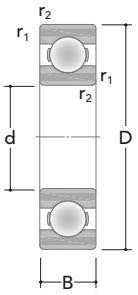

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
240	2	2	3,9	**61848**
	2,1	2	8,55	**61948**
	2,1	2	14	**16048**
	3	2,5	20,5	**6048**
	4	3	51	**6248**
	5	4	92,5	**6348**
260	2	2	4,15	**61852**
	2,1	2	14,5	**61952**
	2,1	2	16,5	**306862**
	3	2,5	22,5	**16052**
	4	3	30	**6052**
	5	4	65,5	**6252**
	6	5	115	**6352**
280	2	2	6,25	**61856**
	2,1	2	15,5	**61956**
	2,1	2	18	**306861**
	3	2,5	24	**16056**
	4	3	31,5	**6056**
	5	4	71	**6256**
	6	5	140	**6356**
300	2,1	2	10,5	**61860**
	3	2,5	24,5	**61960**
	4	3	32	**16060**
	4	3	44	**6060**
	5	4	88,5	**6260**
320	2,1	2	11	**61864**
	2,1	2	16	**60964**
	3	2,5	25,5	**61964**
	4	3	34	**16064**



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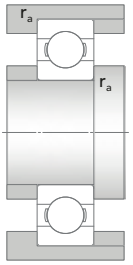
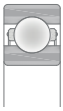


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
320	480	74	376	564	11,9	2500	1900	**6064**
(cont.)	580	92	535	829	16,6	2000	1700	**6264**
330	460	56	291	449	9,51	2500	1600	**306728**
340	420	38	183	286	6,24	2600	2000	**61868**
	460	56	281	439	9,30	2400	1800	**61968**
	480	60	305	451	9,44	1100	1000	**306890**
	520	57	353	549	11,2	2300	1700	**16068**
	520	82	437	649	13,4	2300	1700	**6068**
	620	92	585	961	18,5	1800	1300	**6268**
350	500	70	320	500	10,3	2400	1300	**306674**
360	440	38	182	294	6,29	2500	1900	**61872**
	440	25	126	226	4,80	2500	2000	**60872**
	480	56	308	476	9,68	2500	1800	**61972**
	540	57	368	593	11,9	2300	1500	**16072**
	540	82	445	735	14,8	2300	1600	**6072**
380	480	46	244	413	8,47	2300	1800	**61876**
	520	65	340	555	11,1	2300	1600	**61976**
	550	82	414	720	15,3	2600	2200	**306682**
	560	57	383	637	12,5	2100	1400	**16076**
	560	82	446	726	14,3	2100	1500	**6076**
400	500	46	249	413	8,31	2300	1700	**61880**
	500	31	170	297	5,94	2350	1800	**60880**
	540	65	360	601	11,8	2100	1500	**61980**
	540	44	263	471	9,1	2300	1700	**60980**
	590	74	450	762	14,4	2050	1600	**306614**
	600	90	542	911	17,2	1900	1500	**6080**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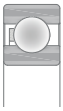
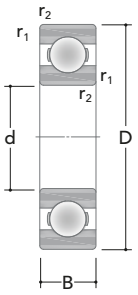

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
320	4	3	46	**6064**
(cont.)	5	4	110	**6264**
330	3	2,5	30	**306728**
340	2,1	2	11,5	**61868**
	3	2,5	26,5	**61968**
	4	3	36	**306890**
	4	3	45	**16068**
	5	4	62	**6068**
	6	5	110	**6268**
350	4	3	46	**306674**
360	2,1	2	12	**61872**
	1,5	1,5	6,5	**60872**
	3	2,5	28	**61972**
	4	3	49	**16072**
	5	4	64,5	**6072**
380	2,1	2	20	**61876**
	4	3	40	**61976**
	5	4	65	**306682**
	4	3	51	**16076**
	5	4	70,5	**6076**
400	2,1	2	20,5	**61880**
	2	2	15,5	**60880**
	4	3	41,5	**61980**
	3	2,5	27,5	**60980**
	4	3	70	**306614**
	5	4	87,5	**6080**



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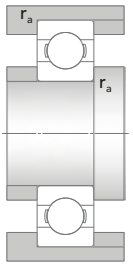
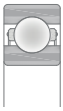


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
420	520	46	253	433	8,46	2100	1500	**61884**
	560	65	368	607	11,53	2100	1500	**61984**
	620	90	535	920	17,04	1900	1400	**6084**
440	540	46	260	453	8,75	2100	1600	**61888**
	540	31	158	304	5,87	2200	1700	**60888**
	600	74	413	747	13,7	1900	1400	**61988**
	600	50	328	590	10,9	1900	1600	**60988**
	650	94	585	1031	18,8	1800	1300	**6088**
460	580	56	337	597	11,1	1900	1400	**61892**
	620	74	432	759	13,9	1800	1400	**61992**
	680	100	595	1113	20,0	1700	1300	**6092**
480	600	56	336	616	11,1	1800	1400	**61896**
	650	78	470	864	15,5	1700	1300	**61996**
	700	100	624	1210	21,2	1600	1200	**6096**
487,5	650	78	445	855	15,0	980	1000	**614885**
500	620	56	331	661	11,9	1700	1300	**618/500**
	620	37	231	462	8,19	1600	1400	**608/500**
500	670	78	478	881	15,3	1600	1300	**619/500**
	720	100	633	1198	20,6	1500	1100	**60/500**
530	650	56	347	672	11,5	1600	1200	**618/530**
	710	82	500	963	16,2	1500	1100	**619/530**
	710	57	448	872	14,7	1500	1200	**609/530**
	760	100	601	1177	19,5	1400	1200	**360476**
	780	112	660	1313	21,5	1400	1100	**60/530**
560	680	56	344	722	12,3	1500	1100	**618/560**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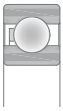
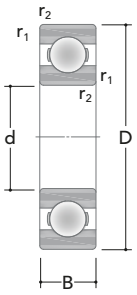

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
420	2,1	2	21,5	**61884**
	4	3	43	**61984**
	5	4	91,5	**6084**
440	2,1	2	22,5	**61888**
	2	2	16,5	**60888**
	4	3	60,5	**61988**
	4	3	40	**60988**
	6	5	105	**6088**
460	3	2,5	35	**61892**
	4	3	62,5	**61992**
	6	5	120	**6092**
480	3	2,5	36,5	**61896**
	5	4	74	**61996**
	6	5	125	**6096**
487,5	5	4	65	**614885**
500	3	2,5	40,5	**618/500**
	2,1	2	20	**608/500**
500	5	4	77	**619/500**
	6	5	135	**60/500**
530	3	2,5	39,5	**618/530**
	5	4	90,5	**619/530**
	4	3	61	**609/530**
	6	5	150	**360476**
	6	5	185	**60/530**
560	3	2,5	42	**618/560**



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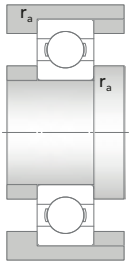
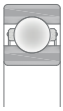


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
560	680	37	230	482	8,29	1400	1200	**608/560**
(cont.)	750	85	508	1019	16,9	1400	1100	**619/560**
	820	115	666	1469	23,6	1300	1000	**60/560**
600	730	60	368	774	12,6	1400	1000	**618/600**
	730	42	276	563	9,21	1400	1000	**608/600**
	800	90	610	1246	20,0	1300	1000	**619/600**
	870	118	754	1569	24,7	1200	900	**60/600**
630	780	69	444	1026	16,3	1300	1000	**618/630**
	780	48	373	785	12,5	1300	1000	**608/630**
	850	100	640	1399	22,1	1200	1000	**619/630**
	850	71	500	1102	17,3	1200	1000	**609/630**
	920	128	822	1810	27,8	1100	900	**60/630**
650	920	118	794	1789	26,9	1050	900	**306708**
670	820	69	449	1029	16,1	1200	900	**618/670**
	900	103	688	1539	23,0	1100	900	**619/670**
	900	73	573	1307	19,9	1100	900	**609/670**
	980	136	912	2140	31,5	1010	800	**60/670**
710	870	74	475	1113	16,8	1100	900	**618/710**
	950	106	701	1594	23,4	1000	800	**619/710**
	950	78	570	1357	20,0	1000	800	**609/710**
	1000	140	856	1972	28,5	890	600	**306704**
	1030	140	990	2344	33,6	960	700	**60/710**
	1080	160	1040	2460	34,9	900	600	**360141**
730	940	100	671	1535	22,5	1050	800	**361840**
750	920	78	542	1257	18,4	1000	800	**618/750**
	1000	112	771	1844	26,1	960	800	**619/750**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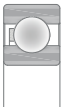
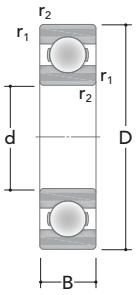

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
560	2,1	2	30,5	**608/560**
(cont.)	5	4	105	**619/560**
	6	5	210	**60/560**
600	3	2,5	52	**618/600**
	3	2,5	40	**608/600**
	5	4	125	**619/600**
	6	5	230	**60/600**
630	4	3	73	**618/630**
	3	2,5	41	**608/630**
	6	5	160	**619/630**
	5	4	110	**609/630**
	7,5	6	285	**60/630**
650	6	5	250	**306708**
670	4	3	83,5	**618/670**
	6	5	185	**619/670**
	5	4	145	**609/670**
	7,5	6	345	**60/670**
710	4	3	93,5	**618/710**
	6	5	220	**619/710**
	5	4	150	**609/710**
	7,5	6	335	**306704**
	7,5	6	375	**60/710**
	7,5	6	505	**360141**
730	6	5	175	**361840**
750	5	4	110	**618/750**
	6	5	255	**619/750**



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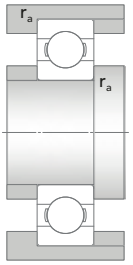
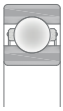


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
750	1090	150	1033	2516	35,7	950	700	**60/750**
(cont.)								
760	1080	150	967	2257	31,8	910	700	**306474**
800	980	82	560	1428	20,1	970	800	**618/800**
	980	57	418	1049	15,0	1100	700	**608/800**
	1060	115	851	2120	29,6	910	700	**619/800**
	1080	115	828	2121	29,6	980	700	**361844**
	1150	155	1030	2700	36,5	860	700	**60/800**
850	1030	82	580	1477	20,2	920	600	**618/850**
	1030	57	396	1081	14,8	940	700	**608/850**
	1120	118	838	2258	30,3	820	700	**619/850**
	1220	165	1080	2900	38,1	820	600	**306493**
	1220	165	1140	3010	39,4	810	600	**60/850**
900	1090	85	631	1627	22,0	830	600	**618/900**
	1180	122	868	2319	30,5	780	600	**619/900**
	1280	170	1130	3300	41,5	770	600	**60/900**
950	1150	90	6464	1802	23,3	780	600	**618/950**
	1250	132	1030	2990	38,4	760	600	**619/950**
	1360	180	1150	3450	43,0	720	500	**60/950**
1000	1220	100	668	1833	23,2	730	500	**618/1000**
	1220	71	549	1576	20,2	740	500	**608/1000**
	1320	103	832	2468	31,4	690	500	**609/1000**
	1320	140	1000	2950	37,4	690	500	**619/1000**
	1420	185	1350	4050	49,3	620	500	**60/1000**
1060	1280	100	725	2194	27,4	640	500	**618/1060**
	1400	150	1030	3080	37,0	610	500	**619/1060**
	1500	195	1561	4590	54,1	610	400	**60/1060**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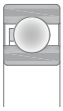
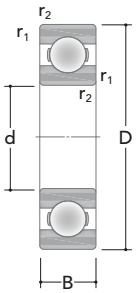

TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
750	7,5	6	485	60/750
(cont.)				
760	7,5	6	430	306474
800	5	4	130	618/800
	4	3	100	608/800
	6	5	275	619/800
	6	5	320	361844
	7,5	6	535	60/800
850	5	4	140	618/850
	4	3	75	608/850
	6	5	310	619/850
	7,5	6	630	306493
	7,5	6	630	60/850
900	5	4	160	618/900
	6	5	350	619/900
	7,5	6	720	60/900
950	5	4	190	618/950
	7,5	6	390	619/950
	7,5	6	860	60/950
1000	6	5	245	618/1000
	5	4	175	608/1000
	6	5	410	609/1000
	7,5	6	515	619/1000
	7,5	6	930	60/1000
1060	6	5	260	618/1060
	7,5	6	620	619/1060
	9,5	8	1080	60/1060



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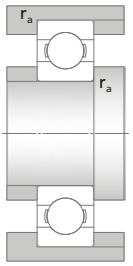
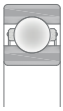


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting	Standard design
[mm]			[kN]			[rpm]		
1120	1360	106	763	2354	28,4	600	500	**618/1120**
	1460	150	1040	3180	37,4	580	400	**619/1120**
	1580	200	1480	4740	53,9	530	400	**60/1120**
1180	1420	106	756	2459	28,7	540	400	**618/1180**
	1540	160	1130	3770	43,5	250	400	**619/1180**
1250	1500	112	856	2867	32,8	550	400	**618/1250**
1320	1600	122	968	3183	35,9	460	400	**618/1320**
	1720	128	1260	4190	45,5	420	300	**609/1320**
1400	1700	132	1160	4140	44,0	420	300	**618/1400**
	1820	185	1697	5830	60,4	400	300	**619/1400**
1500	1820	140	1240	4620	47,9	360	200	**618/1500**
	1950	195	1710	6280	63,8	320	300	**619/1500**
1600	1950	155	1290	4940	49,4	300	300	**618/1600**
	2060	200	1850	7360	73,6	300	300	**619/1600**
1700	2060	160	1250	5090	49,9	300	200	**618/1700**
	2180	212	2020	8200	79,1	290	200	**619/1700**



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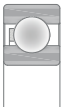
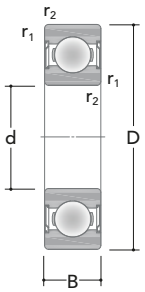


TN

Dimensions			Mass	Designation
d	$r_{1,2min}$	r_{amax}		Standard design
[mm]			[kg]	
1120	6	5	315	**618/1120**
	7,5	6	650	**619/1120**
	9,5	8	1250	**60/1120**
1180	6	5	330	**618/1180**
	7,5	6	775	**619/1180**
1250	6	5	385	**618/1250**
1320	6	5	500	**618/1320**
	7,5	6	830	**609/1320**
1400	7,5	6	615	**618/1400**
	9,5	8	1250	**619/1400**
1500	7,5	6	745	**618/1500**
	9,5	8	1500	**619/1500**
1600	7,5	6	965	**618/1600**
	9,5	8	1650	**619/1600**
1700	7,5	6	1100	**618/1700**
	9,5	8	1950	**619/1700**



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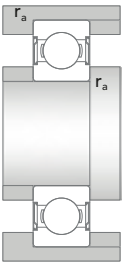
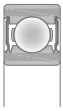


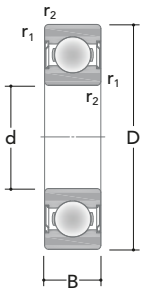
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
3	10	4	0,53	0,18	0,007	122200	55800	**623**
	10	4	0,53	0,18	0,007	-	36800	**623**
4	9	3,5	0,55	0,18	0,07	127400	60300	**628/4**
	9	4	0,53	0,18	0,07	126000	63700	**638/4**
	11	4	0,62	0,18	0,008	122200	58000	**619/4**
	12	4	0,81	0,28	0,012	112800	55200	**604**
	13	5	0,94	0,29	0,012	103400	47700	**624**
	16	5	1,12	0,39	0,016	88400	43200	**634**
	16	5	1,12	0,39	0,016	-	25200	**634**
5	11	4	0,64	0,26	0,011	108000	56400	**628/5**
	11	5	0,63	0,26	0,011	109200	52100	**638/5**
	13	4	0,87	0,33	0,014	99000	51000	**619/5**
	16	5	1,13	0,37	0,016	85500	43700	**625**
	19	6	2,39	0,97	0,039	73600	37200	**635**
	19	6	2,39	0,97	0,039	-	20500	**635**
6	13	5	0,88	0,35	0,015	102300	45300	**628/6**
	15	5	0,9	0,27	0,011	91000	46500	**619/6**
	19	6	2,36	0,94	0,04	75200	36000	**626**
	19	6	2,36	0,94	0,04	-	22100	**626**
7	14	5	0,96	0,4	0,017	94000	42900	**628/7**
	17	5	1,07	0,37	0,016	81900	40500	**619/7**
	19	6	2,39	0,95	0,04	79100	40000	**607**
	19	6	2,39	0,95	0,04	-	22300	**607**
	22	7	3,42	1,35	0,056	65100	33100	**627**
	22	7	3,42	1,35	0,056	-	19000	**627**
8	16	5	1,36	0,57	0,024	83700	41400	**628/8**
	16	5	1,36	0,57	0,024	-	23900	**628/8**
	16	6	1,33	0,57	0,024	82800	41900	**638/8**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
3	0,15	0,1	0,002	623 ZZ	623 Z
	0,15	0,1	0,002	623 2RS	623 RS
4	0,1	0,1	0,001	628/4 ZZ	-
	0,1	0,1	0,001	638/4 ZZ	-
	0,15	0,1	0,002	619/4 ZZ	-
	0,2	0,2	0,002	604 ZZ	604 Z
	0,2	0,2	0,003	624 ZZ	624 Z
	0,3	0,3	0,005	634 ZZ	634 Z
	0,3	0,3	0,005	634 2RS	634 RS
5	0,15	0,1	0,001	628/5 ZZ	-
	0,15	0,1	0,002	638/5 ZZ	-
	0,2	0,2	0,003	619/5 ZZ	-
	0,3	0,3	0,005	625 ZZ	625 Z
	0,3	0,3	0,009	635 ZZ	635 Z
	0,3	0,3	0,009	635 2RS	635 RS
6	0,15	0,1	0,003	628/6 ZZ	-
	0,2	0,2	0,004	619/6 ZZ	-
	0,3	0,3	0,008	626 ZZ	626 Z
	0,3	0,3	0,008	626 2RS	626 RS
7	0,15	0,1	0,003	628/7 ZZ	-
	0,3	0,3	0,005	619/7 ZZ	-
	0,3	0,3	0,008	607 ZZ	607 Z
	0,3	0,3	0,008	607 2RS	607 RS
	0,3	0,3	0,013	627 ZZ	627 Z
	0,3	0,3	0,013	627 2RS	627 RS
8	0,2	0,2	0,004	628/8 ZZ	-
	0,2	0,2	0,004	628/8 2RS	-
	0,2	0,2	0,004	638/8 ZZ	-



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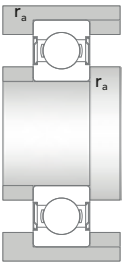
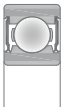


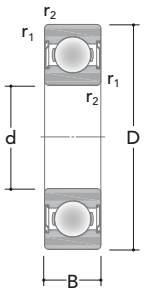
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
8	19	6	1,47	0,46	0,02	78200	39600	619/8
(cont.)	19	6	1,47	0,46	0,02	-	22600	619/8
	19	6	2,29	0,94	0,04	79900	38700	607/8
	22	7	3,48	1,36	0,057	68300	34200	608
	22	7	3,48	1,36	0,057	-	20500	608
	22	11	3,45	1,36	0,057	-	20500	630/8
	24	8	3,86	1,65	0,071	56700	28800	628
	24	8	3,86	1,65	0,071	-	17300	628
	28	6	1,34	0,57	0,024	54600	27900	638
9	17	5	1,42	0,64	0,027	79100	37000	628/9
	17	5	1,42	0,64	0,027	-	21800	628/9
	20	6	2,39	0,96	0,042	72000	37600	619/9
	24	7	3,9	1,65	0,071	63700	30900	609
	24	7	3,9	1,65	0,071	-	16400	609
	26	8	4,85	1,95	0,083	55200	27900	629
	26	8	4,85	1,95	0,083	-	17900	629
10	19	5	1,75	0,83	0,035	73600	34600	61800
	19	5	1,75	0,83	0,035	-	20500	61800
	22	6	2,67	1,25	0,053	63700	32400	61900
	22	6	2,67	1,25	0,053	-	17300	61900
	26	8	4,8	1,93	0,082	63000	30900	6000
	26	8	4,8	1,93	0,082	-	17100	6000
	26	12	4,66	1,93	0,082	-	17100	63000
	28	8	5,12	2,34	0,099	54600	27000	16100
	30	9	5,51	2,35	0,102	51000	26300	6200
	30	9	5,51	2,35	0,099	-	16000	6200
	30	14	5,51	2,35	0,099	-	16000	62200
	35	11	8,43	3,38	0,143	45500	24400	6300
	35	11	8,43	3,38	0,143	-	14000	6300
	35	17	8,43	3,38	0,142	-	14000	62300

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
8	0,3	0,3	0,007	619/8 ZZ	-
(cont.)	0,3	0,3	0,007	619/8 2RS	-
	0,3	0,3	0,007	607/8 ZZ	607/8 Z
	0,3	0,3	0,013	608 ZZ	608 Z
	0,3	0,3	0,013	608 2RS	608 RS
	0,3	0,3	0,016	630/8 2RS	-
	0,3	0,3	0,018	628 ZZ	628 Z
	0,3	0,3	0,018	628 2RS	628 RS
	0,3	0,3	0,03	638 ZZ	638 Z
9	0,2	0,2	0,004	628/9 ZZ	628/9 Z
	0,2	0,2	0,004	628/9 2RS	-
	0,3	0,3	0,008	619/9 ZZ	-
	0,3	0,3	0,015	609 ZZ	609 Z
	0,3	0,3	0,015	609 2RS	609 RS
	0,3	0,3	0,021	629 ZZ	629 Z
	0,3	0,3	0,021	629 2RS	629 RS
10	0,3	0,3	0,006	61800 ZZ	-
	0,3	0,3	0,006	61800 2RS	-
	0,3	0,3	0,01	61900 ZZ	-
	0,3	0,3	0,01	61900 2RS	-
	0,3	0,3	0,02	6000 ZZ	6000 Z
	0,3	0,3	0,02	6000 2RS	6000 RS
	0,3	0,3	0,025	63000 2RS	-
	0,3	0,3	0,026	16100 ZZ	-
	0,6	0,6	0,034	6200 ZZ	6200 Z
	0,6	0,6	0,034	6200 2RS	6200 RS
	0,6	0,6	0,04	62200 2RS	-
	0,6	0,6	0,055	6300 ZZ	6300 Z
	0,6	0,6	0,055	6300 2RS	6300 RS
	0,6	0,6	0,06	62300 2RS	-



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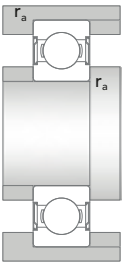
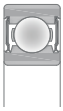


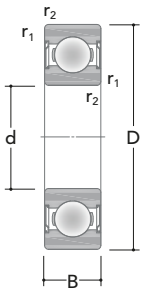
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
12	21	5	1,74	0,9	0,04	64400	32400	**61801**
	21	5	1,74	0,9	0,04	-	18200	**61801**
	24	6	2,91	1,44	0,061	62300	28800	**61901**
	24	6	2,91	1,44	0,061	-	17300	**61901**
	28	8	5,45	2,36	0,099	56400	27000	**6001**
	28	8	5,45	2,36	0,099	-	15600	**6001**
	28	12	5,4	2,36	0,099	-	15600	**63001**
	30	8	5,17	2,34	0,1	55200	25900	**16101**
	30	8	5,17	2,34	0,1	-	13900	**16101**
	32	10	7,21	3,04	0,133	45500	24400	**6201**
	32	10	7,21	3,04	0,133	-	12800	**6201**
	32	14	7,13	3,04	0,131	-	12800	**62201**
	37	12	10,2	4,11	0,176	41900	20000	**6301**
	37	12	10,2	4,11	0,176	-	12900	**6301**
15	24	5	1,9	1,08	0,048	55200	27000	**61802**
	24	5	1,9	1,08	0,048	-	15600	**61802**
	28	7	4,36	2,21	0,096	51500	25200	**61902**
	28	7	4,36	2,21	0,096	-	14900	**61902**
	32	8	5,73	2,81	0,118	47000	23700	**16002**
	32	9	5,97	2,82	0,119	45000	24400	**6002**
	32	9	5,97	2,82	0,119	-	12700	**6002**
	32	13	5,97	2,82	0,119	-	12700	**63002**
	35	11	8,22	3,71	0,163	40400	20500	**6202**
	35	11	8,22	3,71	0,163	-	11200	**6202**
	35	14	8,22	3,71	0,157	-	11200	**62202**
	42	13	11,9	5,39	0,226	34200	17300	**6302**
	42	13	11,9	5,39	0,226	-	10300	**6302**
	42	17	11,9	5,39	0,223	-	10300	**62302**
17	26	5	2,07	1,25	0,055	52600	25500	**61803**
	26	5	2,07	1,25	0,055	-	14700	**61803**
	30	7	4,67	2,53	0,109	47000	23900	**61903**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
12	0,3	0,3	0,006	61801 ZZ	-
	0,3	0,3	0,006	61801 2RS	-
	0,3	0,3	0,011	61901 ZZ	-
	0,3	0,3	0,011	61901 2RS	-
	0,3	0,3	0,022	6001 ZZ	6001 Z
	0,3	0,3	0,022	6001 2RS	6001 RS
	0,3	0,3	0,029	63001 2RS	-
	0,3	0,3	0,028	16101 ZZ	-
	0,3	0,3	0,028	16101 2RS	-
	0,6	0,6	0,039	6201 ZZ	6201 Z
	0,6	0,6	0,039	6201 2RS	6201 RS
	0,6	0,6	0,045	62201 2RS	-
	1	1	0,063	6301 ZZ	6301 Z
	1	1	0,063	6301 2RS	6301 RS
15	0,3	0,3	0,007	61802 ZZ	-
	0,3	0,3	0,007	61802 2RS	-
	0,3	0,3	0,016	61902 ZZ	-
	0,3	0,3	0,016	61902 2RS	-
	0,3	0,3	0,025	16002 ZZ	16002 Z
	0,3	0,3	0,032	6002 ZZ	6002 Z
	0,3	0,3	0,032	6002 2RS	6002 RS
	0,3	0,3	0,039	63002 2RS	-
	0,6	0,6	0,048	6202 ZZ	6202 Z
	0,6	0,6	0,048	6202 2RS	6202 RS
	0,6	0,6	0,054	62202 2RS	-
	1	1	0,086	6302 ZZ	6302 Z
	1	1	0,086	6302 2RS	6302 RS
	1	1	0,11	62302 2RS	-
17	0,3	0,3	0,008	61803 ZZ	-
	0,3	0,3	0,008	61803 2RS	-
	0,3	0,3	0,017	61903 ZZ	-



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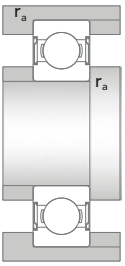
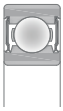


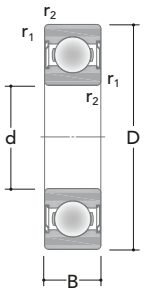
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
17	30	7	4,67	2,53	0,109	-	12600	**61903**
(cont.)	35	8	6,37	3,23	0,136	42300	20200	**16003**
	35	10	6,31	3,23	0,136	41400	20500	**6003**
	35	10	6,31	3,23	0,136	-	11800	**6003**
	35	14	6,24	3,23	0,134	-	11800	**63003**
	40	12	10,15	4,73	0,204	35700	17700	**6203**
	40	12	10,15	4,73	0,204	-	11300	**6203**
	40	16	10,15	4,73	0,204	-	11300	**62203**
	47	14	14,59	6,49	0,275	31300	15800	**6303**
	47	14	14,59	6,49	0,275	-	10200	**6303**
	47	19	14,59	6,49	0,272	-	10200	**62303**
20	32	7	3,99	2,29	0,103	41400	20000	**61804**
	32	7	3,99	2,29	0,103	-	11100	**61804**
	37	9	6,31	3,61	0,159	39600	18800	**61904**
	37	9	6,31	3,61	0,159	-	10800	**61904**
	42	12	10,15	4,96	0,212	35000	17300	**6004**
	42	12	10,15	4,96	0,212	-	9900	**6004**
	42	16	10,15	4,96	0,212	-	9900	**63004**
	47	14	13,77	6,44	0,28	29100	15300	**6204**
	47	14	13,77	6,44	0,28	-	9200	**6204**
	47	18	13,23	6,44	0,277	-	9200	**62204**
	52	15	16,63	7,66	0,332	27300	14000	**6304**
	52	15	16,63	7,66	0,332	-	8600	**6304**
	52	21	16,63	7,66	0,332	-	8600	**62304**
22	50	14	14,28	7,51	0,332	-	7700	**62/22**
25	37	7	4,45	2,58	0,128	35000	17900	**61805**
	37	7	4,45	2,58	0,128	-	10100	**61805**
	42	9	7,16	4,28	0,195	33100	16700	**61905**
	42	9	7,16	4,28	0,195	-	9400	**61905**
	47	12	12,14	6,44	0,278	29400	14600	**6005**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
17	0,3	0,3	0,017	61903 2RS	-
(cont.)	0,3	0,3	0,032	16003 ZZ	-
	0,3	0,3	0,041	6003 ZZ	6003 Z
	0,3	0,3	0,041	6003 2RS	6003 RS
	0,3	0,3	0,052	63003 2RS	-
	0,6	0,6	0,068	6203 ZZ	6203 Z
	0,6	0,6	0,068	6203 2RS	6203 RS
	0,6	0,6	0,089	62203 2RS	-
	1	1	0,12	6303 ZZ	6303 Z
	1	1	0,12	6303 2RS	6303 RS
	1	1	0,16	62303 2RS	-
20	0,3	0,3	0,018	61804 ZZ	-
	0,3	0,3	0,018	61804 2RS	-
	0,3	0,3	0,038	61904 ZZ	-
	0,3	0,3	0,038	61904 2RS	-
	0,6	0,6	0,071	6004 ZZ	6004 Z
	0,6	0,6	0,071	6004 2RS	6004 RS
	0,6	0,6	0,086	63004 2RS	-
	1	1	0,11	6204 ZZ	6204 Z
	1	1	0,11	6204 2RS	6204 RS
	1	1	0,13	62204 2RS	-
	1,1	1	0,15	6304 ZZ	6304 Z
	1,1	1	0,15	6304 2RS	6304 RS
	1,1	1	0,21	62304 2RS	-
22	1	1	0,12	62/22 2RS	-
25	0,3	0,3	0,022	61805 ZZ	-
	0,3	0,3	0,022	61805 2RS	-
	0,3	0,3	0,045	61905 ZZ	-
	0,3	0,3	0,045	61905 2RS	-
	0,6	0,6	0,083	6005 ZZ	6005 Z



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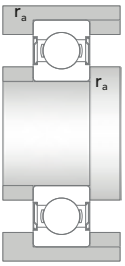
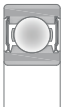


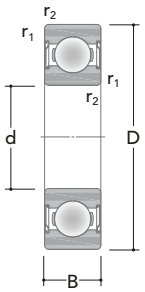
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
25	47	12	12,14	6,44	0,278	-	8100	**6005**
(cont.)	47	16	12,14	6,44	0,278	-	8100	**63005**
	52	15	14,7	7,7	0,342	26300	12600	**6205**
	52	15	14,7	7,7	0,342	-	7700	**6205**
	52	18	14,5	7,7	0,342	-	7700	**62205**
	62	17	23,63	11,4	0,5	21800	12200	**6305**
	62	17	23,63	11,4	0,5	-	6900	**6305**
	62	24	23,63	11,4	0,49	-	6900	**62305**
30	42	7	4,4	2,89	0,145	28800	14900	**61806**
	42	7	4,4	2,89	0,145	-	8600	**61806**
	47	9	7,13	4,54	0,214	28200	14100	**61906**
	47	9	7,13	4,54	0,214	-	7700	**61906**
	55	13	13,94	8,27	0,362	25200	13000	**6006**
	55	13	13,94	8,27	0,362	-	7300	**6006**
	55	19	13,66	8,27	0,362	-	7300	**63006**
	62	16	20,1	11	0,485	22600	11200	**6206**
	62	16	20,5	11	0,485	-	6400	**6206**
	62	20	20,5	11	0,485	-	6400	**62206**
	72	19	29,9	15,8	0,663	18600	10300	**6306**
	72	19	29,9	15,8	0,663	-	5900	**6306**
	72	27	29,9	15,8	0,663	-	5900	**62306**
35	47	7	4,4	3,3	0,143	27600	13800	**61807**
	47	7	4,4	3,3	0,143	-	7800	**61807**
	55	10	10,8	7,79	0,328	24400	12000	**61907**
	55	10	10,8	7,79	0,328	-	6900	**61907**
	62	14	16,97	10,2	0,449	22100	11200	**6007**
	62	14	16,97	10,2	0,449	-	6400	**6007**
	62	20	16,63	10,2	0,449	-	6400	**63007**
	72	17	27,54	15,1	0,642	18600	9300	**6207**
	72	17	27,54	15,1	0,642	-	5700	**6207**
	72	23	27,54	15,1	0,642	-	5700	**62207**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
25	0,6	0,6	0,083	6005 2RS	6005 RS
(cont.)	0,6	0,6	0,11	63005 2RS	-
	1	1	0,13	6205 ZZ	6205 Z
	1	1	0,13	6205 2RS	6205 RS
	1	1	0,15	62205 2RS	-
	1,1	1	0,23	6305 ZZ	6305 Z
	1,1	1	0,23	6305 2RS	6305 RS
	1,1	1	0,32	62305 2RS	-
30	0,3	0,3	0,025	61806 ZZ	-
	0,3	0,3	0,025	61806 2RS	-
	0,3	0,3	0,05	61906 ZZ	-
	0,3	0,3	0,05	61906 2RS	-
	1	1	0,12	6006 ZZ	6006 Z
	1	1	0,12	6006 2RS	6006 RS
	1	1	0,17	63006 2RS	-
	1	1	0,2	6206 ZZ	6206 Z
	1	1	0,25	6206 2RS	6206 RS
	1	1	0,25	62206 2RS	-
	1,1	1	0,36	6306 ZZ	6306 Z
	1,1	1	0,36	6306 2RS	6306 RS
	1,1	1	0,5	62306 2RS	-
35	0,3	0,3	0,03	61807 ZZ	-
	0,3	0,3	0,03	61807 2RS	-
	0,6	0,6	0,08	61907 ZZ	-
	0,6	0,6	0,08	61907 2RS	-
	1	1	0,16	6007 ZZ	6007 Z
	1	1	0,16	6007 2RS	6007 RS
	1	1	0,23	63007 2RS	-
	1,1	1	0,3	6207 ZZ	6207 Z
	1,1	1	0,3	6207 2RS	6207 RS
	1,1	1	0,4	62207 2RS	-



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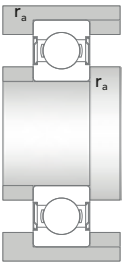
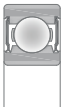


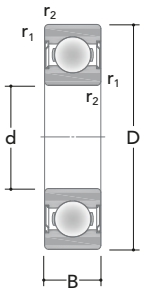
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
35	80	21	35,1	18,81	0,823	17500	8900	**6307**
(cont.)	80	21	34,4	18,81	0,823	-	5200	**6307**
	80	31	34,4	18,81	0,799	-	5200	**62307**
40	52	7	4,45	3,7	0,162	23700	11700	**61808**
	52	7	4,45	3,7	0,162	-	6900	**61808**
	62	12	13,8	9,86	0,429	22100	10800	**61908**
	62	12	13,8	9,86	0,429	-	6100	**61908**
	68	15	17,62	10,8	0,48	19800	10300	**6008**
	68	15	17,62	10,8	0,48	-	5900	**6008**
	68	21	17,44	10,8	0,48	-	5900	**63008**
	80	18	32,83	18,9	0,816	16900	8100	**6208**
	80	18	32,83	18,9	0,816	-	5200	**6208**
	80	23	32,83	18,9	0,792	-	5200	**62208**
	90	23	42,72	23,8	1,03	15600	8000	**6308**
	90	23	42,72	23,8	1,03	-	4500	**6308**
	90	33	41,88	23,8	1	-	4500	**62308**
45	58	7	6,7	6,02	0,257	20200	10100	**61809**
	58	7	6,7	6,02	0,257	-	5700	**61809**
	68	12	14,28	10,7	0,465	18600	9000	**61909**
	68	12	14,28	10,7	0,465	-	5500	**61909**
	75	16	21,88	14,5	0,653	18000	9000	**6009**
	75	16	21,88	14,5	0,653	-	4800	**6009**
	75	23	21,88	14,5	0,64	-	4800	**63009**
	85	19	35,8	21,3	0,933	15300	8000	**6209**
	85	19	35,8	21,3	0,933	-	4500	**6209**
	85	23	35,8	21,3	0,906	-	4500	**62209**
	100	25	56,41	31,3	1,367	14000	6800	**6309**
	100	25	56,41	31,3	1,367	-	4200	**6309**
	100	36	56,41	31,3	1,313	-	4200	**62309**
50	65	7	6,76	6,73	0,291	18800	9100	**61810**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
35	1,5	1,5	0,48	6307 ZZ	6307 Z
(cont.)	1,5	1,5	0,48	6307 2RS	6307 RS
	1,5	1,5	0,68	62307 2RS	-
40	0,3	0,3	0,034	61808 ZZ	-
	0,3	0,3	0,034	61808 2RS	-
	0,6	0,6	0,12	61908 ZZ	-
	0,6	0,6	0,12	61908 2RS	-
	1	1	0,2	6008 ZZ	6008 Z
	1	1	0,2	6008 2RS	6008 RS
	1	1	0,27	63008 2RS	-
	1,1	1	0,38	6208 ZZ	6208 Z
	1,1	1	0,38	6208 2RS	6208 RS
	1,1	1	0,47	62208 2RS	-
	1,5	1,5	0,65	6308 ZZ	6308 Z
	1,5	1,5	0,65	6308 2RS	6308 RS
	1,5	1,5	0,92	62308 2RS	-
45	0,3	0,3	0,04	61809 ZZ	-
	0,3	0,3	0,04	61809 2RS	-
	0,6	0,6	0,14	61909 ZZ	-
	0,6	0,6	0,14	61909 2RS	-
	1	1	0,25	6009 ZZ	6009 Z
	1	1	0,25	6009 2RS	6009 RS
	1	1	0,36	63009 2RS	-
	1,1	1	0,43	6209 ZZ	6209 Z
	1,1	1	0,43	6209 2RS	6209 RS
	1,1	1	0,51	62209 2RS	-
	1,5	1,5	0,87	6309 ZZ	6309 Z
	1,5	1,5	0,87	6309 2RS	6309 RS
	1,5	1,5	1,2	62309 2RS	-
50	0,3	0,3	0,052	61810 ZZ	-



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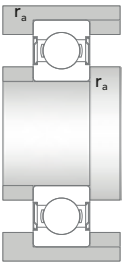
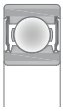


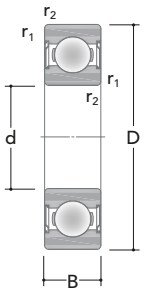
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
50	65	7	6,76	6,73	0,291	-	5600	**61810**
(cont.)	72	12	14,75	11,7	0,5	17700	8600	**61910**
	72	12	14,75	11,7	0,5	-	5200	**61910**
	80	16	22,9	15,8	0,717	16600	8100	**6010**
	80	16	22,9	15,8	0,717	-	4700	**6010**
	80	23	22,44	15,8	0,696	-	4700	**63010**
	90	20	37,84	22,97	0,97	13800	7400	**6210**
	90	20	37,84	22,97	0,97	-	4100	**6210**
	90	23	37,84	22,97	0,97	-	4100	**62210**
	110	27	63,7	37,8	1,632	12200	6200	**6310**
	110	27	63,7	37,8	1,632	-	4000	**6310**
	110	40	63,7	37,8	1,632	-	4000	**62310**
55	72	9	8,86	8,71	0,379	17900	8600	**61811**
	72	9	8,86	8,71	0,379	-	4600	**61811**
	80	13	16,83	14	0,612	15500	8000	**61911**
	80	13	16,83	14	0,612	-	4600	**61911**
	90	18	30,19	20,9	0,918	14900	7200	**6011**
	90	18	30,19	20,9	0,918	-	4200	**6011**
	100	21	47,12	28,5	1,275	13200	6500	**6211**
	100	21	47,12	28,5	1,275	-	3900	**6211**
	100	25	46,66	28,5	1,25	-	3900	**62211**
	120	29	73,36	44,6	1,919	10900	5900	**6311**
	120	29	73,36	44,6	1,919	-	3600	**6311**
	120	43	72,62	44,6	1,9	-	3600	**62311**
60	78	10	12,02	11,3	0,49	15800	7900	**61812**
	78	10	12,02	11,3	0,49	-	4300	**61812**
	85	13	16,83	14,1	0,6	15000	7400	**61912**
	85	13	16,83	14,1	0,6	-	4200	**61912**
	95	18	31,01	23	0,98	13800	6800	**6012**
	95	18	31,01	23	0,98	-	3900	**6012**
	110	22	54,75	35,7	1,545	11800	5900	**6212**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
50	0,3	0,3	0,052	61810 2RS	-
(cont.)	0,6	0,6	0,14	61910 ZZ	-
	0,6	0,6	0,14	61910 2RS	-
	1	1	0,27	6010 ZZ	6010 Z
	1	1	0,27	6010 2RS	6010 RS
	1	1	0,38	63010 2RS	-
	1,1	1	0,47	6210 ZZ	6210 Z
	1,1	1	0,47	6210 2RS	6210 RS
	1,1	1	0,54	62210 2RS	-
	2	2	1,1	6310 ZZ	6310 Z
	2	2	1,1	6310 2RS	6310 RS
	2	2	1,6	62310 2RS	-
55	0,3	0,3	0,083	61811 ZZ	-
	0,3	0,3	0,083	61811 2RS	-
	1	1	0,19	61911 ZZ	-
	1	1	0,19	61911 2RS	-
	1,1	1	0,4	6011 ZZ	6011 Z
	1,1	1	0,4	6011 2RS	6011 RS
	1,5	1,5	0,64	6211 ZZ	6211 Z
	1,5	1,5	0,64	6211 2RS	6211 RS
	1,5	1,5	0,75	62211 2RS	-
	2	2	1,4	6311 ZZ	6311 Z
	2	2	1,4	6311 2RS	6311 RS
	2	2	2,05	62311 2RS	-
60	0,3	0,3	0,11	61812 ZZ	-
	0,3	0,3	0,11	61812 2RS	-
	1	1	0,2	61912 ZZ	-
	1	1	0,2	61912 2RS	-
	1,1	1	0,43	6012 ZZ	6012 Z
	1,1	1	0,43	6012 2RS	6012 RS
	1,5	1,5	0,81	6212 ZZ	6212 Z



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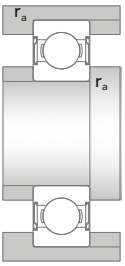
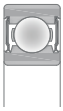


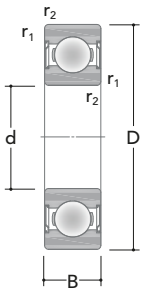
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
60	110	22	54,75	35,7	1,545	-	3600	**6212**
(cont.)	110	28	54,19	35,7	1,545	-	3600	**62212**
	130	31	86,9	51,6	2,156	10200	5100	**6312**
	130	31	86,9	51,6	2,156	-	3200	**6312**
	130	46	86,05	51,6	2,156	-	3200	**62312**
65	85	10	12,4	12,5	0,54	14600	7300	**61813**
	85	10	12,4	12,5	0,54	-	4200	**61813**
	90	13	17,75	15,8	0,68	13700	7100	**61913**
	90	13	17,75	15,8	0,68	-	3700	**61913**
	100	18	31,9	24,7	1,071	12600	6400	**6013**
	100	18	31,9	24,7	1,071	-	3700	**6013**
	120	23	59,09	40	1,747	11200	5500	**6213**
	120	23	59,09	40	1,747	-	3300	**6213**
	120	31	58,5	40	1,747	-	3300	**62213**
	140	33	99,45	59	2,45	9300	4900	**6313**
	140	33	99,45	59	2,45	-	2900	**6313**
	140	48	95,55	59	2,45	-	2900	**62313**
70	90	10	12,4	13	0,571	14000	7000	**61814**
	90	10	12,4	13	0,571	-	3700	**61814**
	100	16	23,32	21	0,882	13200	6400	**61914**
	100	16	23,32	21	0,882	-	3700	**61914**
	110	20	40,1	30,8	1,346	11800	5800	**6014**
	110	20	40,1	30,8	1,346	-	3300	**6014**
	125	24	64,97	44,2	1,919	10000	5000	**6214**
	125	24	64,97	44,2	1,919	-	2900	**6214**
	125	31	64,97	44,2	1,919	-	2900	**62214**
	150	35	112,11	66,7	2,723	8600	4600	**6314**
	150	35	112,11	66,7	2,723	-	2800	**6314**
	150	51	112,11	66,7	2,695	-	2800	**62314**
75	95	10	12,95	14,1	0,61	12700	6500	**61815**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
60	1,5	1,5	0,81	6212 2RS	6212 RS
(cont.)	1,5	1,5	1	62212 2RS	-
	2,1	2	1,8	6312 ZZ	6312 Z
	2,1	2	1,8	6312 2RS	6312 RS
	2,1	2	2,55	62312 2RS	-
65	0,6	0,6	0,13	61813 ZZ	-
	0,6	0,6	0,13	61813 2RS	-
	1	1	0,22	61913 ZZ	-
	1	1	0,22	61913 2RS	-
	1,1	1	0,46	6013 ZZ	6013 Z
	1,1	1	0,46	6013 2RS	6013 RS
	1,5	1,5	1,05	6213 ZZ	6213 Z
	1,5	1,5	1,05	6213 2RS	6213 RS
	1,5	1,5	1,4	62213 2RS	-
	2,1	2	2,15	6313 ZZ	6313 Z
	2,1	2	2,15	6313 2RS	6313 RS
	2,1	2	3	62313 2RS	-
70	0,6	0,6	0,14	61814 ZZ	-
	0,6	0,6	0,14	61814 2RS	-
	1	1	0,35	61914 ZZ	-
	1	1	0,35	61914 2RS	-
	1,1	1	0,64	6014 ZZ	6014 Z
	1,1	1	0,64	6014 2RS	6014 RS
	1,5	1,5	1,15	6214 ZZ	6214 Z
	1,5	1,5	1,15	6214 2RS	6214 RS
	1,5	1,5	1,4	62214 2RS	-
	2,1	2	2,65	6314 ZZ	6314 Z
	2,1	2	2,65	6314 2RS	6314 RS
	2,1	2	3,75	62314 2RS	-
75	0,6	0,6	0,15	61815 ZZ	-



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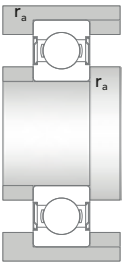
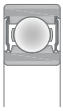


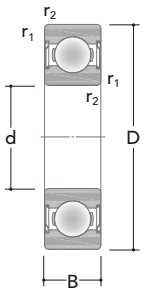
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
75	95	10	12,95	14,1	0,61	-	3700	**61815**
(cont.)	105	16	24,44	22	0,984	12000	5900	**61915**
	105	16	24,44	22	0,984	-	3300	**61915**
	115	20	41,6	33,3	1,459	10900	5600	**6015**
	115	20	41,6	33,3	1,459	-	3100	**6015**
	130	25	69,59	48,3	2,02	9300	4800	**6215**
	130	25	69,59	48,3	2,02	-	3000	**6215**
	160	37	120,19	75,1	3	8200	4200	**6315**
	160	37	120,19	75,1	3	-	2500	**6315**
80	100	10	13,13	14,8	0,646	11800	5700	**61816**
	100	10	13,13	14,8	0,646	-	3300	**61816**
	110	16	25,6	20,3	1,04	11300	5500	**61916**
	110	16	25,6	20,3	1,04	-	2900	**61916**
	125	22	48,91	39,9	1,677	10200	5000	**6016**
	125	22	48,91	39,9	\	-	3000	**6016**
	140	26	72,8	54,8	2,244	8700	4300	**6216**
	140	26	72,8	54,8	2,244	-	2700	**6216**
	170	39	131,3	85	3,315	8000	3900	**6316**
	170	39	131,3	85	3,315	-	2400	**6316**
85	110	13	19,7	20,4	0,889	10900	5600	**61817**
	110	13	19,7	20,4	0,889	-	3100	**61817**
	130	22	52	42,5	1,76	9900	5000	**6017**
	130	22	52	42,5	1,76	-	2800	**6017**
	150	28	87,97	63,8	2,525	8400	4200	**6217**
	150	28	87,97	63,8	2,45	-	2500	**6217**
	180	41	142,8	95,1	3,586	7300	3600	**6317**
	180	41	142,8	95,1	3,586	-	2200	**6317**
90	115	13	19,89	21,6	0,897	10200	5100	**61818**
	115	13	19,89	21,6	0,897	-	2900	**61818**
	140	24	59,29	49,8	1,98	9300	4500	**6018**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
75	0,6	0,6	0,15	61815 2RS	-
(cont.)	1	1	0,37	61915 ZZ	-
	1	1	0,37	61915 2RS	-
	1,1	1	0,7	6015 ZZ	6015 Z
	1,1	1	0,7	6015 2RS	6015 RS
	1,5	1,5	1,25	6215 ZZ	6215 Z
	1,5	1,5	1,25	6215 2RS	6215 RS
	2,1	2	3,15	6315 ZZ	6315 Z
	2,1	2	3,15	6315 2RS	6315 RS
80	0,6	0,6	0,15	61816 ZZ	-
	0,6	0,6	0,15	61816 2RS	-
	1	1	0,4	61916 ZZ	-
	1	1	0,4	61916 2RS	-
	1,1	1	0,91	6016 ZZ	6016 Z
	1,1	1	0,91	6016 2RS	6016 RS
	2	2	1,55	6216 ZZ	6216 Z
	2	2	1,55	6216 2RS	6216 RS
	2,1	2	3,75	6316 ZZ	6316 Z
	2,1	2	3,75	6316 2RS	6316 RS
85	1	1	0,27	61817 ZZ	-
	1	1	0,27	61817 2RS	-
	1,1	1	0,96	6017 ZZ	6017 Z
	1,1	1	0,96	6017 2RS	6017 RS
	2	2	1,9	6217 ZZ	6217 Z
	2	2	1,9	6217 2RS	6217 RS
	3	2,5	4,4	6317 ZZ	6317 Z
	3	2,5	4,4	6317 2RS	6317 RS
90	1	1	0,28	61818 ZZ	-
	1	1	0,28	61818 2RS	-
	1,5	1,5	1,2	6018 ZZ	6018 Z



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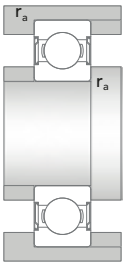
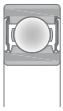


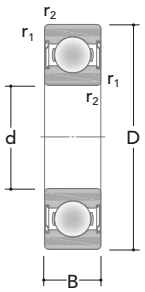
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
90	140	24	59,29	49,8	1,98	-	2600	**6018**
(cont.)	160	30	102,01	72,8	2,828	7700	4000	**6218**
	160	30	102,01	72,8	2,828	-	2400	**6218**
	190	43	154,02	107	3,876	7100	3500	**6318**
	190	43	154,02	107	3,876	-	2200	**6318**
95	120	13	19,9	22,8	0,949	10100	4900	**61819**
	120	13	19,9	22,8	0,949	-	2800	**61819**
	130	18	19,9	22,7	0,949	-	2800	**61919**
	145	24	62,43	53,8	2,101	8600	4500	**6019**
	145	24	62,43	53,8	2,101	-	2600	**6019**
	170	32	112,86	80,7	3	7300	3600	**6219**
	170	32	112,86	80,7	3	-	2200	**6219**
	200	45	160,59	117	4,233	6400	3300	**6319**
	200	45	160,59	117	4,233	-	2000	**6319**
100	125	13	18,16	18,1	0,941	9400	4800	**61820**
	125	13	18,16	18,1	0,941	-	2800	**61820**
	150	24	64,34	53	2,04	8800	4100	**6020**
	150	24	64,34	53	2,04	-	2400	**6020**
	180	34	128,27	92,7	3,283	7100	3400	**6220**
	180	34	128,27	92,7	3,283	-	2200	**6220**
	215	47	174	138	4,845	6100	3200	**6320**
	215	47	174	138	4,845	-	1800	**6320**
105	130	13	21,22	19,3	1,02	9000	4700	**61821**
	130	13	21,22	19,3	1,02	-	2500	**61821**
	160	26	76,86	64,6	2,448	8000	3900	**6021**
	160	26	76,86	64,6	2,448	-	2200	**6021**
	190	36	140	103	3,687	6600	3300	**6221**
	190	36	140	103	3,687	-	2000	**6221**
	225	49	182	150	5,049	5900	2900	**6321**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
90	1,5	1,5	1,2	6018 2RS	6018 RS
(cont.)	2	2	2,3	6218 ZZ	6218 Z
	2	2	2,3	6218 2RS	6218 RS
	3	2,5	5,1	6318 ZZ	6318 Z
	3	2,5	5,1	6318 2RS	6318 RS
95	1	1	0,3	61819 ZZ	-
	1	1	0,3	61819 2RS	-
	1,1	1	0,65	61919 2RS	-
	1,5	1,5	1,25	6019 ZZ	6019 Z
	1,5	1,5	1,25	6019 2RS	6019 RS
	2,1	2	2,75	6219 ZZ	6219 Z
	2,1	2	2,75	6219 2RS	6219 RS
	3	2,5	5,85	6319 ZZ	6319 Z
	3	2,5	5,85	6319 2RS	6319 RS
100	1	1	0,31	61820 ZZ	-
	1	1	0,31	61820 2RS	61820 RS
	1,5	1,5	1,35	6020 ZZ	6020 Z
	1,5	1,5	1,35	6020 2RS	6020 RS
	2,1	2	3,3	6220 ZZ	6220 Z
	2,1	2	3,3	6220 2RS	6220 RS
	3	2,5	7,3	6320 ZZ	6320 Z
	3	2,5	7,3	6320 2RS	6320 RS
105	1	1	0,32	61821 ZZ	-
	1	1	0,32	61821 2RS	61821 RS
	2	2	1,65	6021 ZZ	6021 Z
	2	2	1,65	6021 2RS	6021 RS
	2,1	2	3,95	6221 ZZ	6221 Z
	2,1	2	3,95	6221 2RS	6221 RS
	3	2,5	8,25	6321 ZZ	6321 Z



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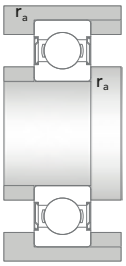
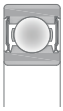


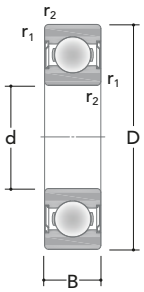
Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
110	140	16	28,38	25,5	1,238	8600	4100	**61822**
	140	16	28,38	25,5	1,238	-	2400	**61822**
	170	28	84,35	72,4	2,448	7200	3800	**6022**
	170	28	84,35	72,4	2,448	-	2200	**6022**
	200	38	154,02	117	4,08	6100	3200	**6222**
	200	38	154,02	117	4,08	-	1800	**6222**
	240	50	207,06	177	5,814	5400	2800	**6322**
	240	50	207,06	177	5,814	-	1600	**6322**
120	150	16	29,39	27,7	1,303	7800	4000	**61824**
	150	16	29,39	27,7	1,303	-	2200	**61824**
	180	28	87,52	79,1	2,778	6800	3500	**6024**
	180	28	87,52	79,1	2,778	-	1900	**6024**
	215	40	147,46	117	3,9	5700	2900	**6224**
	215	40	147,46	117	3,9	-	1700	**6224**
	260	55	210,08	185	5,586	5000	2500	**6324**
	260	55	210,08	185	5,586	-	1500	**6324**
130	165	18	38,08	42,7	1,632	7300	3500	**61826**
	165	18	38,08	42,7	1,632	-	1900	**61826**
	200	33	110	99,9	3,417	6400	3100	**6026**
	200	33	110	99,9	3,417	-	1800	**6026**
	230	40	157,56	130	4,15	5300	2800	**6226**
	230	40	157,56	130	4,15	-	1600	**6226**
140	175	18	39,78	46,4	1,677	7000	3400	**61828**
	175	18	39,78	46,4	1,677	-	1800	**61828**
	210	33	113,22	107	3,519	6200	2900	**6028**
	210	33	113,22	107	3,519	-	1700	**6028**
150	225	35	127,5	123	3,939	5500	2800	**6030**
	225	35	127,5	123	3,939	-	1600	**6030**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
110	1	1	0,6	61822 ZZ	-
	1	1	0,6	61822 2RS	-
	2	2	2,05	6022 ZZ	6022 Z
	2	2	2,05	6022 2RS	6022 RS
	2,1	2	4,5	6222 ZZ	6222 Z
	2,1	2	4,5	6222 2RS	6222 RS
	3	2,5	9,7	6322 ZZ	6322 Z
	3	2,5	9,7	6322 2RS	6322 RS
120	1	1	0,65	61824 ZZ	-
	1	1	0,65	61824 2RS	61824 RS
	2	2	2,2	6024 ZZ	6024 Z
	2	2	2,2	6024 2RS	6024 RS
	2,1	2	5,35	6224 ZZ	6224 Z
	2,1	2	5,35	6224 2RS	6224 RS
	3	2,5	12,7	6324 ZZ	6324 Z
	3	2,5	12,7	6324 2RS	6324 RS
130	1,1	1	0,93	61826 ZZ	-
	1,1	1	0,93	61826 2RS	61826 RS
	2	2	3,35	6026 ZZ	6026 Z
	2	2	3,35	6026 2RS	6026 RS
	3	2,5	6	6226 ZZ	6226 Z
	3	2,5	6	6226 2RS	6226 RS
140	1,1	1	0,99	61828 ZZ	-
	1,1	1	0,99	61828 2RS	61828 RS
	2	2	3,6	6028 ZZ	6028 Z
	2	2	3,6	6028 2RS	6028 RS
150	2,1	2	4,35	6030 ZZ	6030 Z
	2,1	2	4,35	6030 2RS	6030 RS



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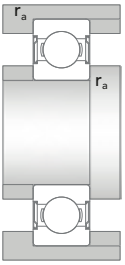
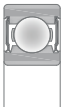


Main dimensions			Basic load ratings		Fatigue load limit	Speed ratings		Designation
d	D	B	Dynamic C	Static C_0	C_u	Reference	Limiting [1]	Standard design
[mm]			[kN]			[rpm]		
160	240	38	141,57	143	4,343	5200	2500	**6032**
	240	38	141,57	143	4,343	-	1500	**6032**

[1] Bearings featuring ZZ or 2RS suffixes may reach lower speed values



2RS

Dimensions			Mass	Designation	
d	$r_{1,2min}$	r_{amax}		Bearing sealed on	
				both sides	one side
[mm]			[kg]		
160	2,1	2	5,35	6032 ZZ	6032 Z
	2,1	2	5,35	6032 2RS	6032 RS