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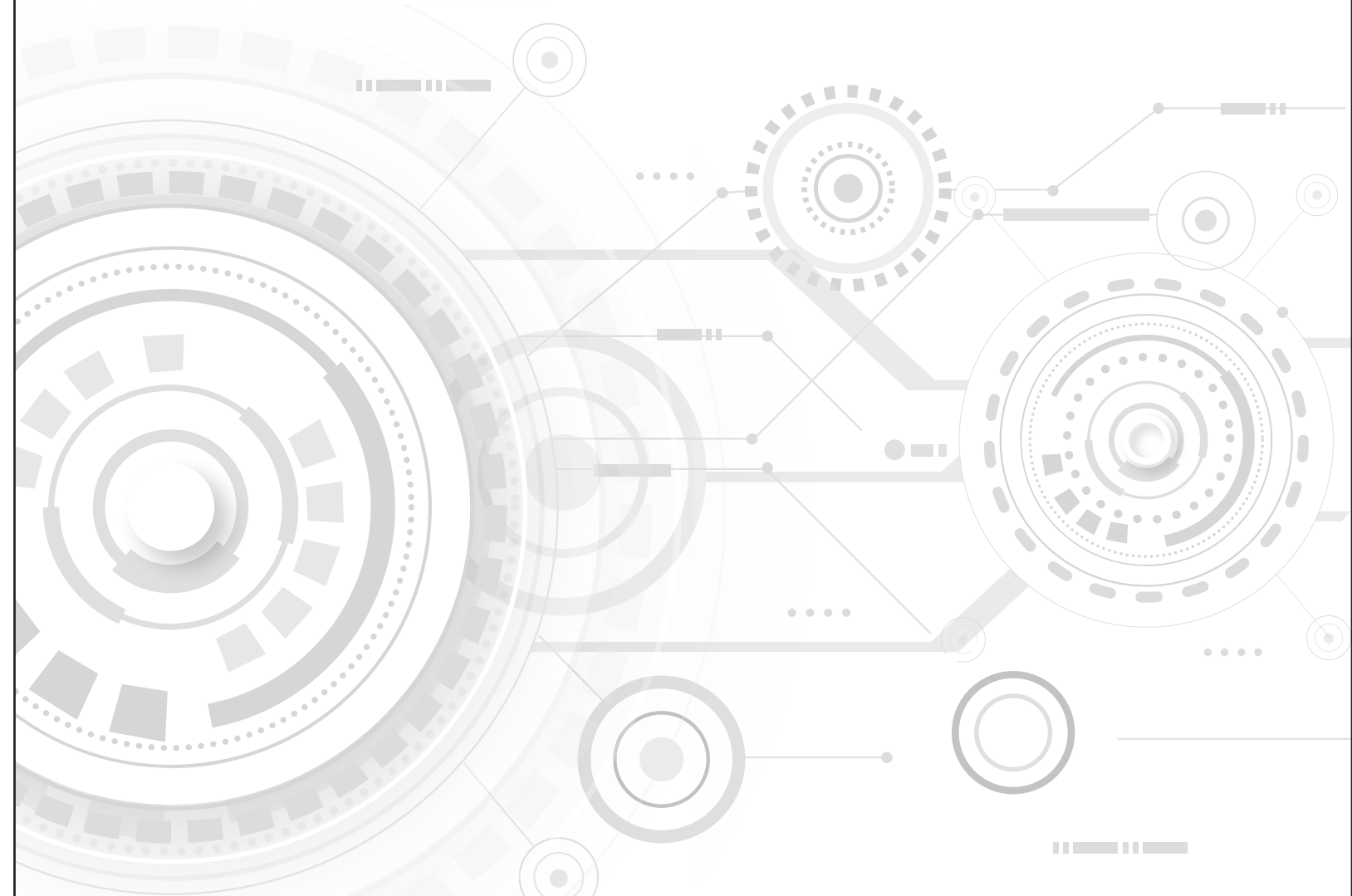
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ETERNO® +Plus

TEXTILE CATALOGUE

Bearings • Motion Units





SAHAT

NACHI



SCHAEFFLER

Corporate culture

Vision
A pioneer of globally integrated bearing & bearing movement unit.



Mission
Make the mechanism more compact, enrich the machinery industry with miniaturized /lightweight motion units, and strive tirelessly to enhance the value of customers!

Value
Be of one heart and one mind make all-out efforts.



01 Innovation

Innovation : Attracting people with innovation

02 Respect

Respect : Respect all human beings and environment

03 Mechanism

Mechanism : Stabilizing people by mechanism

04 Career

Career : Unite people with career

We strive to create a good working atmosphere and encourage every employee to realize their self-worth in a happy struggle.

Innovative product



Bearings are extremely precise parts. When the inner and outer rings are matched with other parts, their inherent accuracy will always be greatly reduced. To solve this problem, **ETERNO PLUS** has subverted the traditional design concept and provided an integrated bearing solution!

When inquiring about the development of integrated bearings, please provide the following relevant conditions:

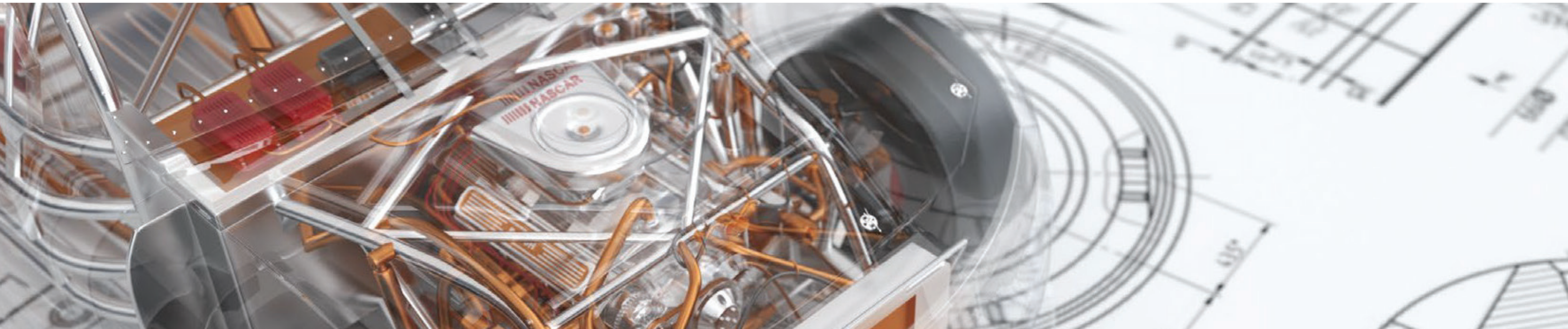
- Outside diameter: bearing outside diameter, axle sleeve outside diameter
- Bearing aperture
- Axle sleeve length
- Maximum torque, static torque force
- Noise requirements, maximum speed, eccentricity
- Material quality: GCr15, mild steel
- Heat-treat: overall quenching, carburizing and quenching
- Installation dimensions: installation parts diagram on inner and outer rings

ETERNO[®]
+Plus

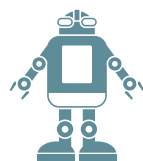
Especially We Design
For You



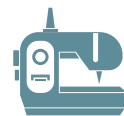
Application of industry



Security system



Robot



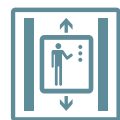
Sewing machine



Encoder



Automobile



Elevator



Household electrical appliances



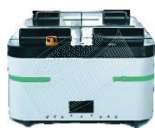
Construction machinery



Reducer



Agricultural machinery



Motion unit (AGV)



Motorcycle



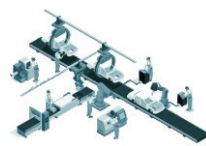
Built-in motor



Servo motor



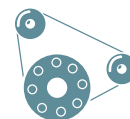
Office equipment



Logistics machinery



Bicycle



Industrial transmission



Embroidery machine



Fitness Equipment

Types of bearings



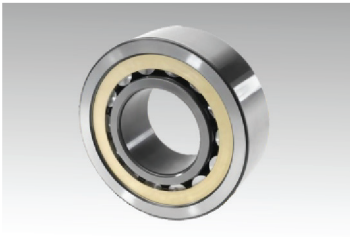
① Deep groove ball bearing

Deep groove ball bearing has a wide range of applications. It is suitable for high speed or even extremely high speed operation, and is very durable without regular maintenance. The raceway of the ring is made into an arc slightly larger than the radius of the steel ball, so that even at high speed, deep groove ball bearing can bear not only radial load, but also bidirectional axial load.

Single row deep groove ball bearing is the most widely used bearing type.

Eterno Plus can provide a variety of sizes and designs:

- Basic design of open bearings
- Various sealed bearings
- Open and sealed bearings with snap ring groove (oil groove), with or without snap ring and O-rings
- Various inch bearings



④ Cylindrical roller bearing

The structure of cylindrical roller bearing is the simplest of all radial roller bearings, and this type is commonly used in high-speed applications. The inner ring, outer ring, and rollers of cylindrical roller bearings are in line contact, so they have a large radial bearing capacity. The structure with fixed flanges or movable edges on both the inner and outer rings can withstand small axial loads.

Due to the sliding action between the roller end face and the flange side, this type of bearing bears axial load, so the axial load is limited.

Double row cylindrical roller bearings are used in high-speed and high-precision applications, such as spindle supports for lathes, milling machines, and machining centers.

Eterno Plus can provide a variety of sizes and designs:

- Single row: Type N, NU, NJ, NF, NUP, etc
- Double row: Type NN, NNU, etc
- Cylindrical roller bearing with snap ring groove (oil groove), with or without snap ring and O-rings



② Angular contact ball bearing

The raceways of the inner and outer rings of angular contact ball bearing can have relative displacement on the horizontal axis, so their design can withstand combined loads, namely radial and axial loads acting simultaneously. The axial bearing capacity of angular contact ball bearing increases with the increase of contact angle. Definition of contact angle: on the radial plane, the angle formed by the connecting line between the contact point of the steel ball and the raceway and the vertical axis of the bearing. The load is transmitted from one raceway to another along the line of contact between the steel ball and the raceway.

Eterno Plus can provide a variety of sizes and designs:

- Single row and double row angular contact ball bearings
- Single row angular contact ball bearings with various matching methods
- Angular contact ball bearings with seals
- Open and sealed angular contact ball bearings with snap ring groove (oil groove), with or without snap ring and O-rings
- Four-point contact ball bearing



⑤ Tapered roller bearing

The inner ring, outer ring raceway, and rollers of a tapered roller bearing form a cone, so that the plane projection of the raceway surface intersects with the roller axis at a point. The roller is guided by the back edge of the inner ring.

Single row tapered roller bearings can withstand combined radial and axial loads. To withstand radial or bidirectional axial loads, paired double bearings in a face-to-face or back-to-back configuration must be used.

Double row and four row tapered roller bearings are designed to withstand radial and bidirectional axial loads. Four row tapered roller bearings are used for the roll neck of rolling mills and other occasions where heavy or impact loads occur.

Eterno Plus can provide a variety of sizes and designs:

- Single row tapered roller bearing
- Paired single row tapered roller bearings
- Separable or non separable tapered roller bearing



③ Self-aligning ball bearing

The outer race of the self-aligning ball bearing is a curved surface with two rows of steel balls. Therefore, it can be automatically aligning, and can bear the angle error between the shaft and the bearing seat, especially suitable for easy to appear shaft deflection and misalignment conditions. In addition, the friction of the self aligning ball bearing is the lowest among all rolling bearings, so that it still has a small temperature rise even at high speed.

Eterno Plus can provide a variety of sizes and designs:

- Open design
- Various seal designs
- Self-aligning ball bearing with snap ring groove (oil groove), with or without snap ring and O-rings



⑥ Spherical roller bearing

The outer ring of the self-aligning roller bearing is a spherical raceway, the inner ring is a double row raceway, and the rolling element is a spherical roller (also known as a drum roller). The center of the outer ring raceway surface is consistent with the center of the bearing, therefore, it has automatic self-aligning function. Even in situations where there is installation error or shaft deflection between the shaft and bearing box, causing the inner and outer rings to tilt, it can still be used normally.

In addition to bearings with cylindrical bore inner diameter, tapered bore inner diameter bearings are also widely used. This type of bearing is marked with the symbol "K" after the standard bearing model, and can be installed by tightening or removing the sleeve. Due to its ability to withstand high loads, this type of bearing is mostly used in industrial machinery.

Eterno Plus can provide a variety of sizes and designs:

- Type C, CK, CK30, CA, CAK, CAK30, CK/W33, etc
- With or without oil groove

Types of bearings



7 Thrust ball bearing

Thrust ball bearing can only withstand axial loads. The bearing ring installed on the shaft is called the shaft ring, and the one installed in the bearing seat is called the seat ring, both kinds of washers have fairways. There are two types of thrust ball bearings: single direction thrust ball bearing can only withstand axial loads in one direction, and double direction thrust ball bearing can withstand bidirectional axial loads. The middle ring of the bidirectional thrust ball bearing is axially positioned with shaft shoulder and bushing. Because the lubricant is thrown by centrifugal force, thrust ball bearings are not suitable for high-speed rotation. When used on the horizontal axis, a minimum axial load must be applied.

Eterno Plus can provide a variety of sizes and designs:

- Single direction thrust ball bearing
- Double direction thrust ball bearing



10 Slewing bearing

Slewing bearing is generally customized bearings that can simultaneously withstand large axial loads, radial loads, and overturning moments. Widely used in real industry, it is an important transmission component that requires relative rotational motion between two objects. There are two basic working methods: the inner ring fixes its support function, and the outer ring rotates; The outer ring fixes its support function, while the inner ring rotates.

Eterno Plus can provide a variety of sizes and designs:

- Single-row four-point contact ball slewing bearing
- Double-row ball slewing bearing
- Single row cross roller slewing bearing
- Triple row cylindrical roller slewing bearing
- With or without gear teeth slewing bearing



8 Thrust self-aligning roller bearing

The raceway track of thrust self-aligning roller bearing is a spherical surface with a radius center located on the bearing axis, which provides the bearing with self-aligning ability. Thrust self-aligning roller bearing can withstand high loads at low to medium speeds. Due to its high load-bearing capacity and centering performance, this type of bearing is commonly used in injection molding machines, lifting hooks, and other large machinery.

Eterno Plus can provide a variety of sizes and designs:

- Conventional thrust self-aligning roller bearing



11 Linear motion series

To achieve short distance transfer of workpieces, it has the characteristics of high positioning accuracy, good reproducibility, low friction torque, ability to maintain accuracy for a long time, ability to withstand high loads, and suitability for high-speed applications.

Eterno Plus can provide a variety of sizes and designs:

- Slide track type bead rack guide rail
- Linear guide
- Customized module or linear motor guide rail



9 Needle bearing

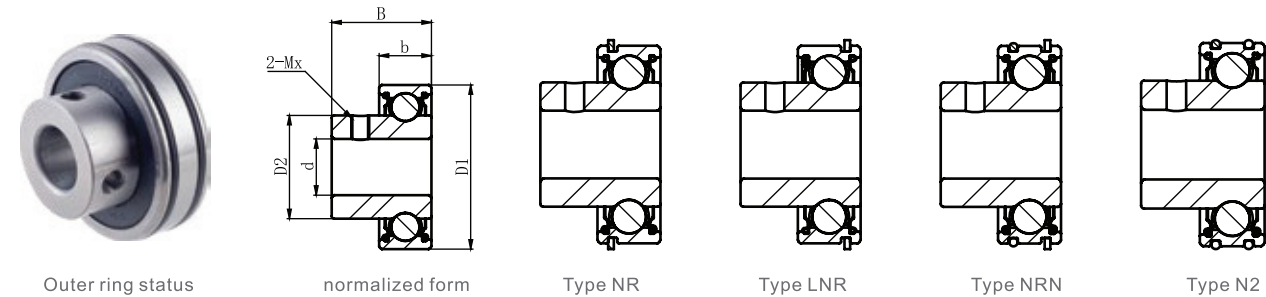
The rolling element of the needle bearing is needle shaped, with a maximum diameter of 5mm. The length is 3 to 10 times the diameter. Needle bearing has a small cross-sectional area and a larger load than ordinary bearings of the same size ratio. Due to the large number of rolling needles, they have high rigidity and low inertia, making them suitable for swinging motion.

Eterno Plus can provide a variety of sizes and designs:

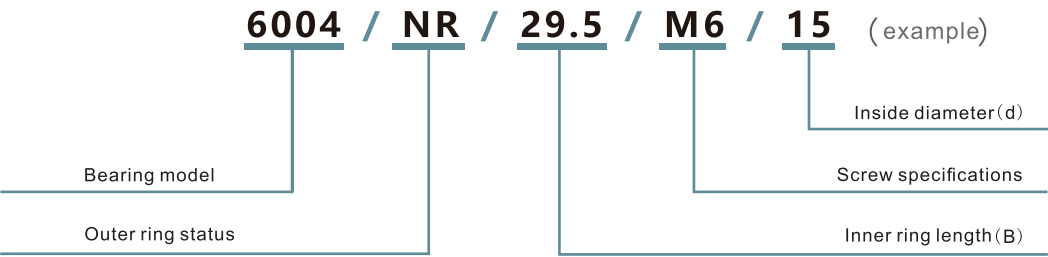
- Conventional needle bearing
- Single direction needle bearing
- Radial needle roller and cage assembly
- Drawn cup needle roller bearing

Structural Style

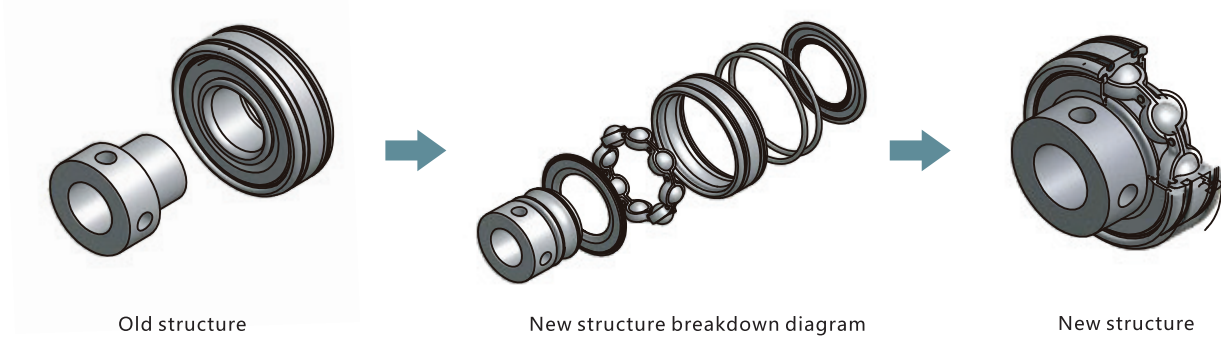
Multiple structural forms



Eterno Plus Code



Evolutional chart



Characteristic

- High combination accuracy
- Labor saving
- The installation dimension is the same as the standard bearing
- Increase the diameter of steel ball to improve the bearing capacity

Use



Specifications and dimensions

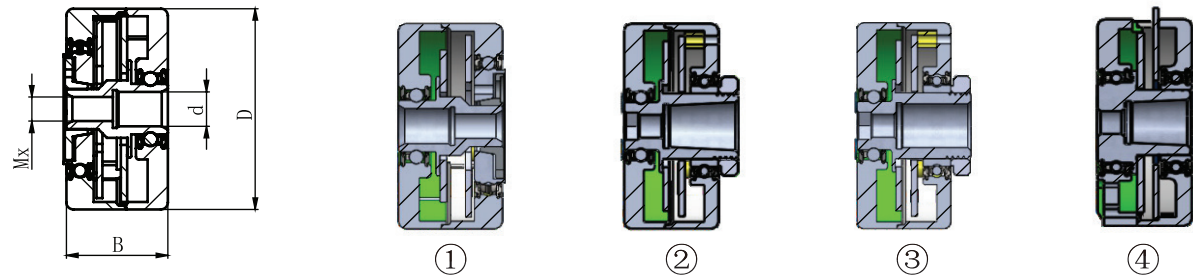
No.	Bearing type	D1	Circumferential state	b	D2	B	MX	d	Notes
1		12~100	NR/LNR/NRN/N2		8~90	4~100	M2~M10	4~80	
2	6001/17.5	28		8	16.9	17.5	2-11/64*40	7.94	
3	6002/18	32		9	20.4	18	2-M5	12	
4	6003/15	35	NR/LNR	10	22.9		2-M5	15	
5	6003/15				22.9		2-M5	15	
6	6003/17				22.9	19	2-M5	17	
7	6003/17H				24.9		2-M5	17	
8	6003/18				24.9		2-M5	18	
9	6003/21				20	21	2-M6	10	
10	6003/24				22.9	24	2-SM1/4*40	12	
11	6003/19				22.9	19	2-M6	10	
12	6003/22.5				22.9	22.5	2-M6	12	
13	6003/24				22.9	21	2-M6	12	
14	6003/21				22.9	21	2-M6	10	
15	6003				22.9	22.5	2-M6	12	
16	6003				22.9	24	2-M6	12	
17	6004/15	42	NR/LNR/N2/NR/NRN	12	26.9	21	2-M5	15	
18	6004/17				26.9		2-M5	17	
19	6004/18				26.9		2-M5	18	
20	6004/20				29	22	2-M5	20	
21	6004/22				26.9		2-M5	10	
22	6004/22				21		2-M5	10	
23	6004/22				26.9		2-M6	12	
24	6004/22				26.9		2-M6	15	
25	6004/23.5				26.9	23.5	2-M6	12	
26	6004/26				26.9	26	2-M6	15	
27	6004/26				26.9	26	2-SM1/4*40	14.72	
28	6004/35				26.9	35	2-M6	12.7	
29	6004/28				26.9	28	2-M6	9.5	
30	6004/29.6				26.9	29.6	2-M6	15	
31	6004/36				26.9	36	4-M6	9.5	
32	6004/22				26.9	22	2-M6	15	
33	6004/22				26.9	22	2-M6	17	
34	6004/33				35	32.9	2-M6	12	
35	6004/32				26.9	32	2-M6*0.75	15	
36	6004/28				42	28	2-M5	15	
37	6004/37.5				42	37.5	2-M5	15	
38	6004/29				26.9	29	2-M6	17	
39	6005/18	47		12	31.9	24	2-M6	18	
40	6005/19				31.9		2-M6	19	
41	6005/20				31.9		2-M6	20	
42	6005/22				31.9		2-M6	22	
43	6005/25				34.2		2-M6	25	
44	6006/30	55		13	41.5	28	2-M6	30	
45	6008/37	68		15	49	28	2-M8	37	
46	6201/20	32	NR	10	18.3	20	2-11/64*40	10.32	
47	6201/20				18.3	20	2-M5	10.32	
48	6201/18.5				18.3	20	2-M5	7.94	

Specifications and dimensions

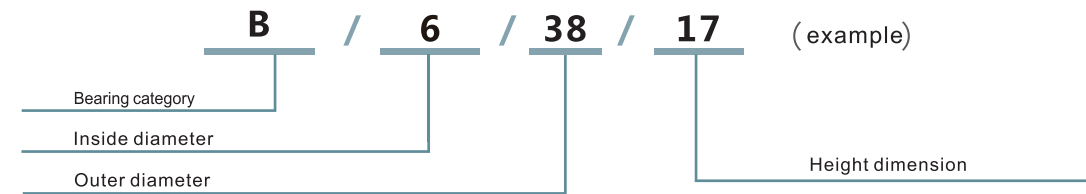
No.	Bearing type	D1	Circumferential state	b	D2	B	MX	d	Notes
1	6202/23	35	LNR	11	21.7	23	2-M6	10	
2	6202/23				21.7	24	2-M6	10	
3	6202/19.5		NR/LNR		21.7	19.5	2-M5	12	
4	6203/22	40		12	24.58	22	2-M5	13.45	
5	6203/36		N2		26	36	2-M5	13.45	
6	6203/29.5		LNR		24.6	29.5	2-M6	10	
7	6203/21		NR		24.6	21	2-M5	12	
8		47		14					
9	6204/24		LNR/N2		28.4	24	2-M6	15	
10	6204/26.5		LNR/N2/NR		28.4	26.5	2-M6*0.75	15	
11	6204/26.5		LNR/N2/NR		28.4	26.5	2-M6	14.72	
12	6204/42		N2		28.4	42	4-M6	15	
13	6204/29.5		LNR/N2		28.4	29.5	2-M6	15	
14	6204/24		N2		28.5	24	2-M5	12.7	
15	6204/38.5		N2/NRN		28.5	38.5	4-M6	15	
16	6204/50		N2		28.4	50	4-M6	15	
17	6204/17		NR		30	17	/	15	
18	6204/25.5		NR		28.4	25.5	2-M6	17	
19	6204/30		NR		28.4	30	2-M5	15	
20	6204/33		NR		38.4	33	2-M5	7.94	
21	6204/30				28.4	30	/	8.1	
22	6204/98				28.4	90	/	/	
23	6204/60		NR		28.5	60	2-M6*0.75	15	
24	6304/22	52		15	29	22	2-M5	15	
25	6304/25		NR		29	25	2-M6*0.75	15	
26	6304/25		NR		29	25	2-M6	15	
27	6304/28		LNR/NR		29	28	M6*0.75	15	
28	6304/28		LNR		29	28	M6	15	
29	6804/15	32		8	23.8	19	2-M5	15	
30	6804/17				23.8	19	2-M5	17	
31	6901/7.94	24		6	/	6	/	7.94	
32	6901/16				15.7	16	2-M5	10	
33	6901/17.5		LNR/NR		15.7	17.5	2-SM11/64*40	7.94	
34	6901/17.5		NR		15.7	17.5	2-SM11/64*40	8	
35	6901/17.5		NR		15.7	17.5	2-SM11/64*40	10	
36	6901/14.5		NR		15.7	14.5	2-M4	7.94	
37	6902/12	28		7	18.7	16	2-M6	12	
38	6902/19		LNR/NR		18.7	19	2-M5	10	
39	6903/15	30		7	21.1	18	2-M5	15	
40	6903/20		NR		24	20	2-1/4*40	12	
41	6904/15	37		9	25.4	19	2-M5	15	
42	6904/18				25.4	19	2-M5	18	
43	6904/20				27	19	2-M5	20	
44	6904/28		N2		34	28	2-M6	15	
45	6904/28.5	55	NR	12	25.5	19.43	2-M6*0.75	14.73	
46	6907/14.72				38	19.5	2-M6	14.72	
47	6907/15				38	19.5	2-M6	15	
48	6907/17				38	19.5	2-M6	17	

Structural Style

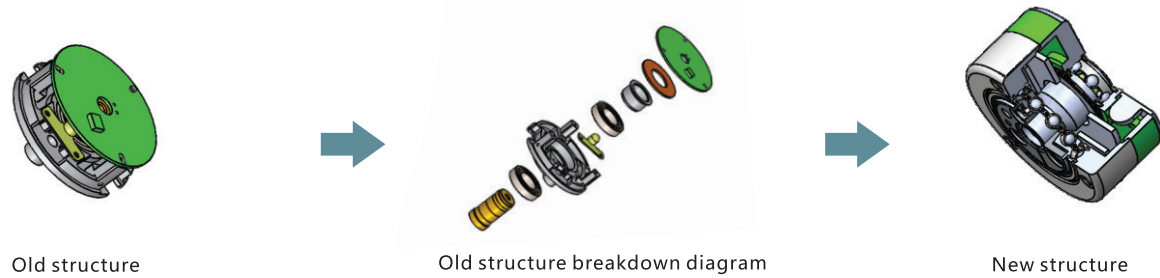
Multiple structural forms



Eterno Plus Code



Evolutional chart



Characteristic

- Compact structure and small volume
- Labor saving
- The axial clearance can be eliminated quantitatively
- It can store sensors such as chips

Use

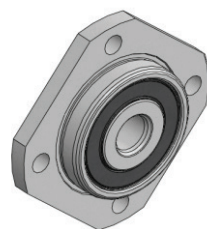
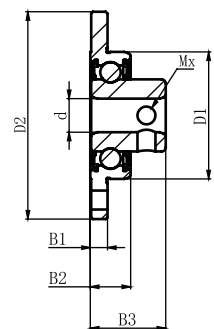


Specifications and dimensions

No.	BOM Code	D	d	B	MX	Notes
1	B63517	35	6	17.5	M5	
2	B64813	48	6	12.5	M5	
3	B63815	38	taper hole	15	M5	
4	B63815	38	6	15	M5	
5	B83815	38	8	15	M5	

Structural Style

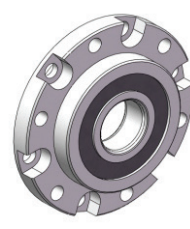
Multiple structural forms



①



②



③

Eterno Plus Code

F / 70 / 22 / M 6 (example)

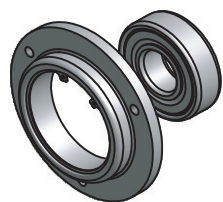
Flange code

Screw specifications

Outer diameter(mm)

Inner diameter (mm)

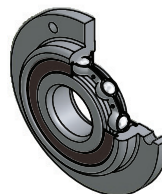
Evolutional chart



Old structure



New structure breakdown diagram



New structure

Characteristic

- Simple assembly
- Precision improvement
- Cost reduction

Use

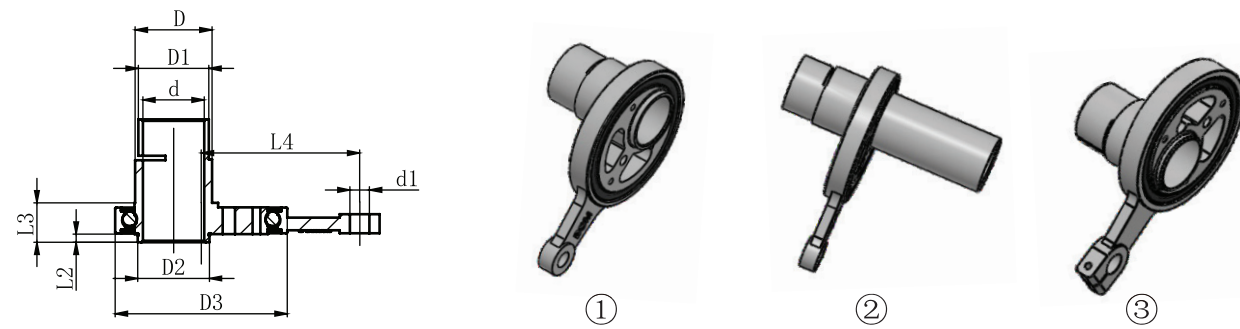


Specifications and dimensions

[illegible]

Structural Style

Multiple structural forms



Eterno Plus Code

Y / **TLB** / **20** (example)

Customer code

Bearing category

Inner diameter of inner ring (d)

Evolutional chart



Old structure

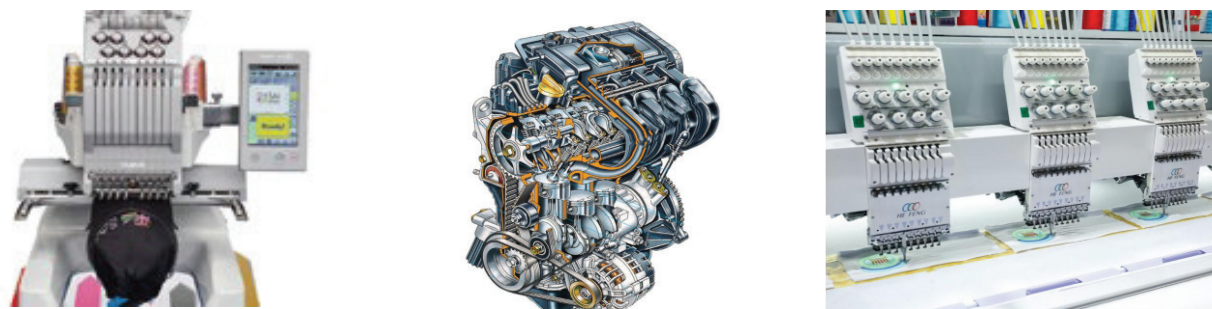
New structure breakdown diagram

New structure

Characteristic

- Suitable for high-speed rotation
- Low torque
- Good lubrication performance
- High combination accuracy and long service life
- Reduce labor
- Low temperature rise, low noise, rolling friction instead of sliding friction
- Reduce the types of parts to facilitate inventory production management

Use

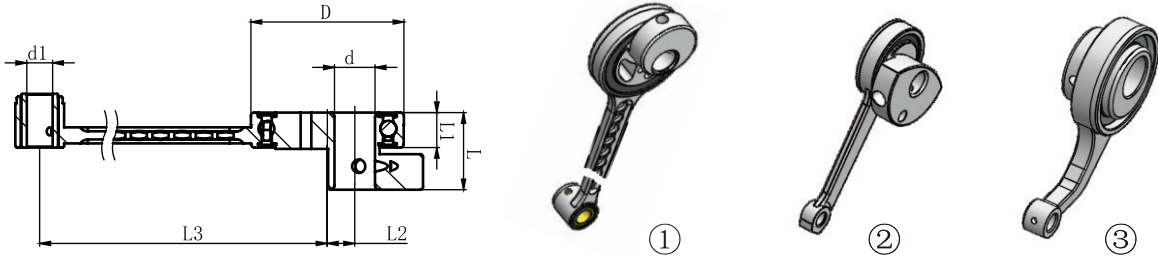


Specifications and dimensions

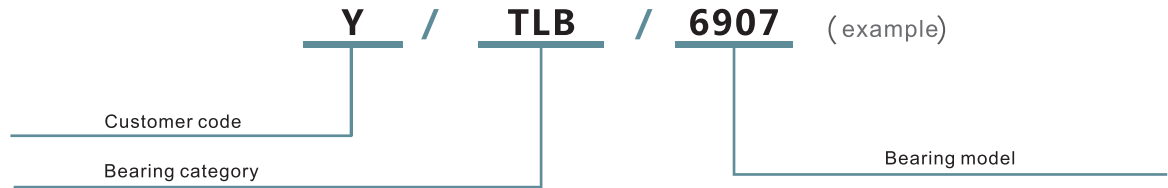
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Structural Style

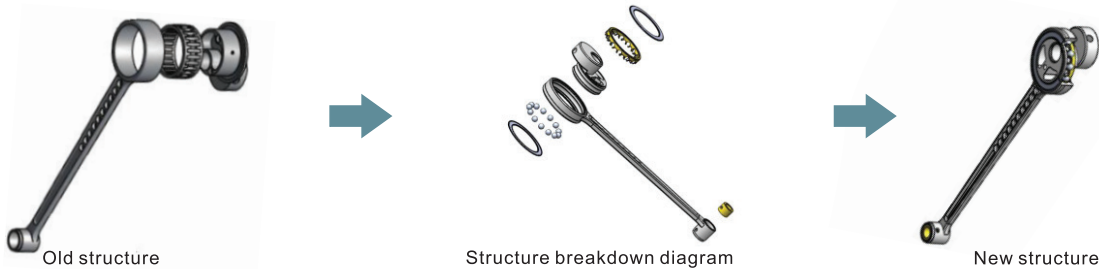
Multiple structural forms



Eterno Plus Code



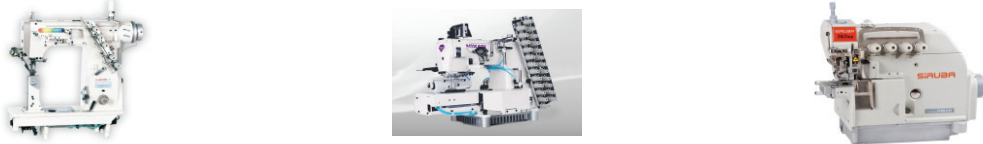
Evolutional chart



Characteristic

Suitable for high-speed rotation
Low torque
Good lubrication performance
High combination accuracy and long service life
Reduce labor
Low temperature rise, low noise, rolling friction instead of sliding friction
Reduce the types of parts to facilitate inventory production management

Use

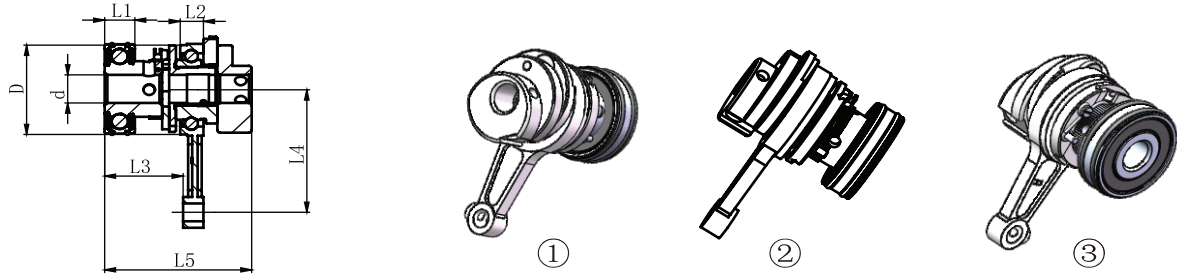


Specifications and dimensions

No.	Cam rod bearing	D	L1	Outer diameter of inner ring	d	L	MX	L4
1	TLB6905	46	9	30.2	15	18	2-M6*0.75	52
2	TLB6907	56.5	13	/	15	28.8	2-M6	214
3	TLB30	54.5	11.1	/	30	11.1	/	56.65
4	QXT6905A	46	10	/	12	27	2-15/64*28	57
5	DFB6904	36	18	23	13.45	28.5	2-M5*0.8	26
6	QXF6904C	40.5	9	40	10	26.5		65.8
7	QXF6904E	40.5	9	30	14.73	24.9		65.5
8	GTLB6905	44	7	/	18	7	/	51.7

Structural Style

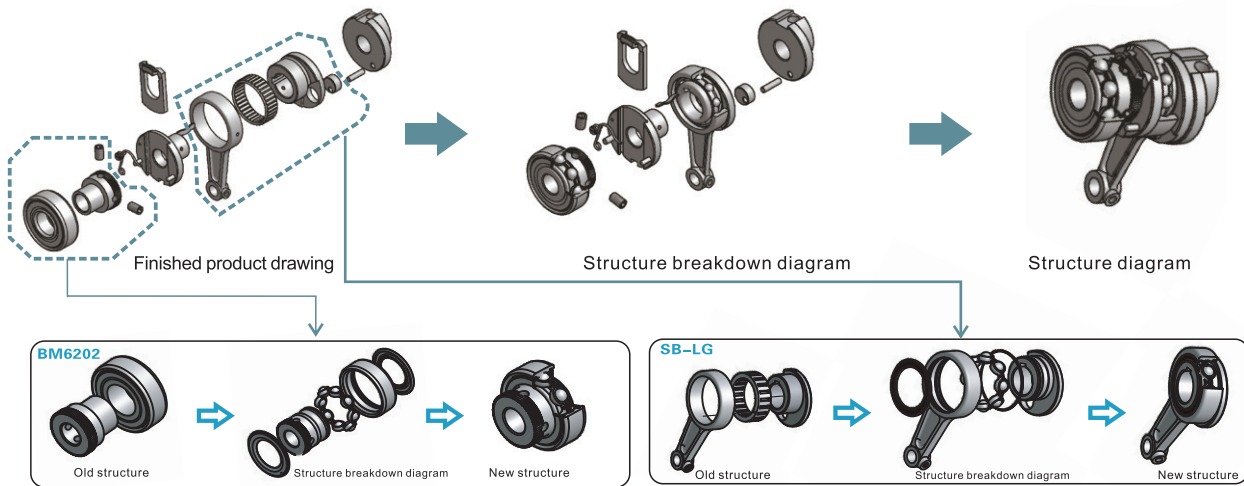
Multiple structural forms



Eterno Plus Code



Evolutional chart



Characteristic

Suitable for high-speed rotation
Low torque
Good lubrication performance
High combination accuracy and long service life
Reduce labor
Low temperature rise, low noise, rolling friction instead of sliding friction
Reduce the types of parts to facilitate inventory production management

Use



Specifications and dimensions

No.	Cam rod bearing	D	L2	L1	L3	d	L5	L4
1	TLB6003	35	8.5	11	28.6	11	53.6	48

Structural Style

Multiple structural forms

①②③

Eterno Plus Code

Y

/

MU

/

69LE

(example)

Customer code

Bearing category

Bearing model

Evolutional chart

Old structure

Structure breakdown diagram

New structure

Characteristic

Suitable for high-speed rotation

Low torque

Good lubrication performance

High combination accuracy and long service life

Reduce labor

Low temperature rise, low noise, rolling friction instead of sliding friction

Reduce the types of parts to facilitate inventory production management

Use

Specifications and dimensions											
No.	Cam rod bearing	D1	d	d1	d2	L	L1	L2	L3	L4	Thread
1	MU67LE	37	14	10	10	29.8	14	7	72.7	48	2-M5*0.8
2	MU6904	37	14	10.34	6.53	34.5	14	7	53	47.7	2-M5*0.8

Structural Style

Multiple structural forms

①②③

Eterno Plus Code

F

/

48

/

17

/

27

(example)

Flange code

Outer diameter of outer ring

Inner ring height dimension

Inner ring diameter

Evolutional chart

Old structure

Structure breakdown diagram

New structure

Characteristic

High combination accuracy

Strong axial rigidity

Flexible assembly

"High speed"

Compact structure

Suitable for precision machining machine tools, measuring equipment and robots

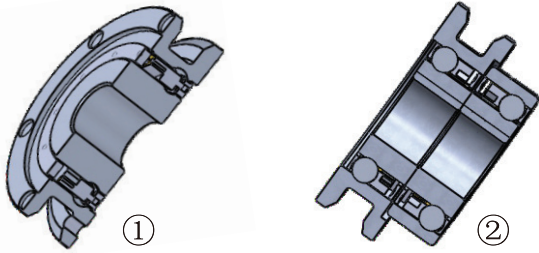
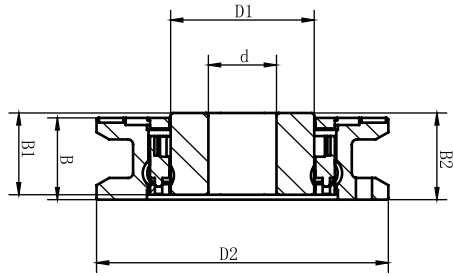
Interchangeable with current products

Use

Specifications and dimensions									
No.	Bearing model	D1	D3	D2	B2	B1	d	Through hole/threaded hole size	Notes
1	F48/17/27	48	48	36	27.2	64	17.2	6-φ4.5	
2	F56/21/34	56	72	43.5	34	6	21.6	6-φ4.5	
3	F56/21/42	56	72	43.5	42	6	21.6	6-φ4.5	
4	F42/17/33	42	54	32.5	33	4	17.2	6-φ3.4	
5	F42/17/34.5	42	54	32.5	34.5	4	17.2	6-φ3.4	
6	F42/25/35	42	54	32.5	35	4	25	6-φ3.4	
7	F42/25/39	42	54	32.5	39	4	25	6-φ3.4	
8	F48/20/42	48	64	39.5	42.5	6	20	6-M4	
9	F48/26/53	48	64	32.5	53	6	26	6-M4	

Structural Style

Multiple structural forms



Eterno Plus Code

G

14

60

15

(example)

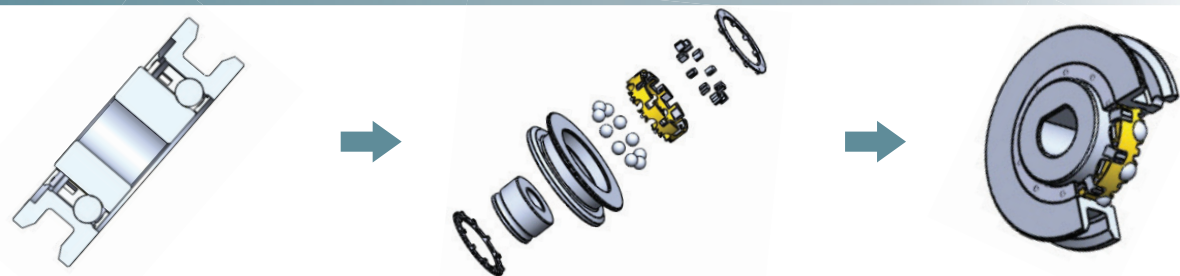
Customer code

Inner ring diameter (d)

Outer ring height (B)

Outer diameter of outer ring (D2)

Evolutional chart



Finished product drawing

Structure breakdown diagram

New structure


Characteristic

High precision, long life

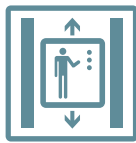
Large torque and strong bearing capacity

Space saving and compact structure


Use




household electrical appliances



Elevator



Bicycle



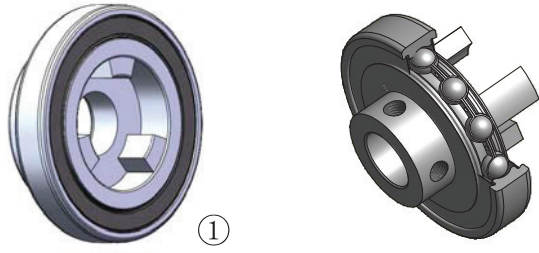
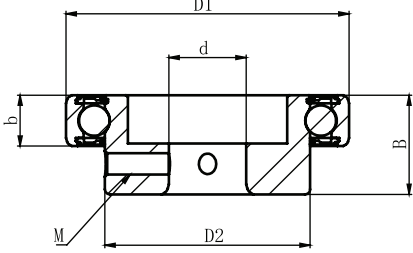
Built-in motor

Specifications and dimensions

No.	Bearing model	D1	D2	d	B	B1	B2	Notes
1	G146015	29.5	60	14	15	17	18	

Structural Style

Multiple structural forms



Eterno Plus Code

S

6907

15

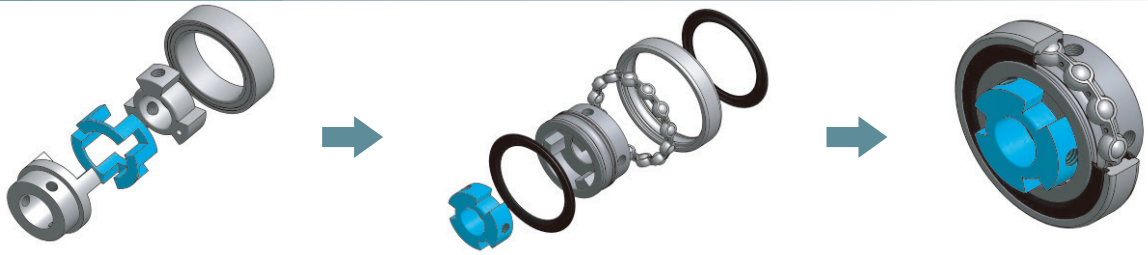
(example)

Bearing category

Bearing model

Inner ring diameter (d)

Evolutional chart



Old structure

New structure breakdown diagram

New structure

Characteristic


High combination accuracy and long service life


Large bearing capacity


Interchangeable with current products

Labor saving

Use





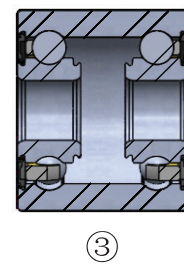
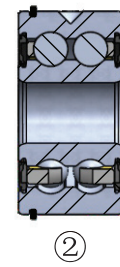
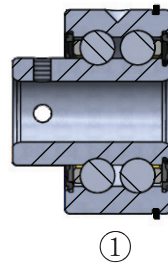
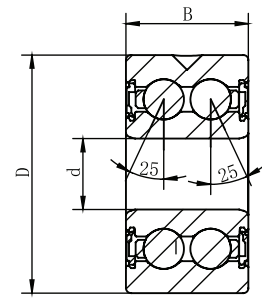


Specifications and dimensions

No.	Specification of integral bearing	D1	b	B	D2	d	common difference (Plug gauge)	Thread	Notes
1	6907/14 Coupling					14	0	+0.011	2-M6*0.75
2	ZJ14 Coupling					14	0	+0.011	2-M5
3	6907/14.72 Coupling					14.72	0	+0.011	2-M5
4	S6907/14.72	55	10	19.5	38	14.72	0	+0.011	2-M6*0.75
5	S6907/15	55	10	19.5	38	15	0	+0.011	2-M6*0.75
6	S6907/17	55	10	19.5	38	17	0	+0.011	2-M6*0.75

Structural Style

Multiple structural forms



Eterno Plus Code

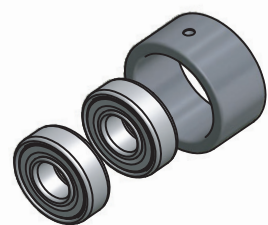
15 / **46** / **22** (example)

Inner ring diameter(d)

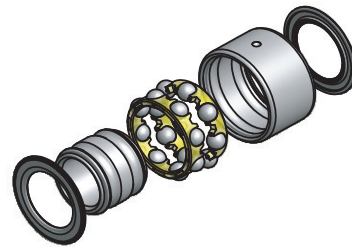
Outer ring height (B)

Outer diameter of outer ring(D)

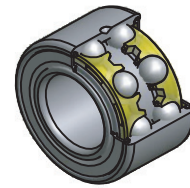
Evolutional chart



Old structure



Structure breakdown diagram

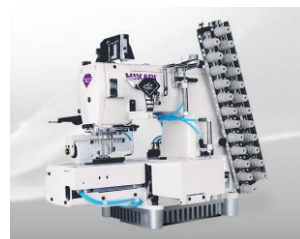


New structure

Characteristic

- High combination accuracy
- Strong bearing capacity
- Labor saving
- Light and small design

Use

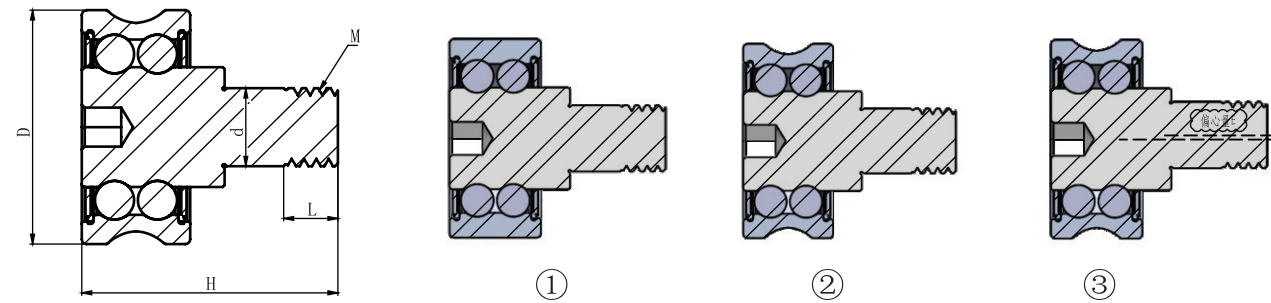


Specifications and dimensions

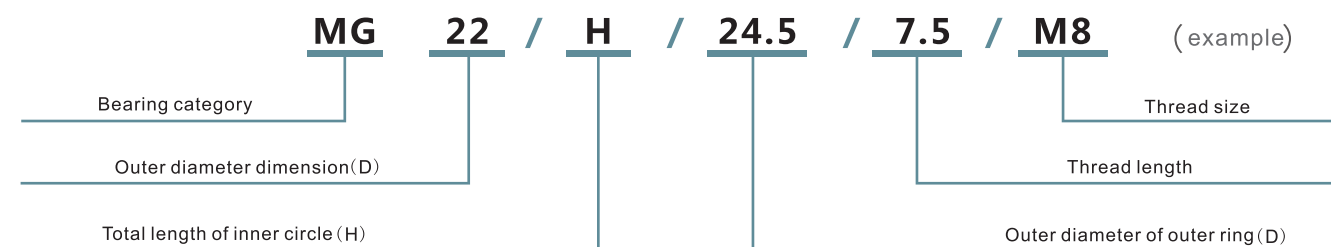
[illegible]

Structural Style

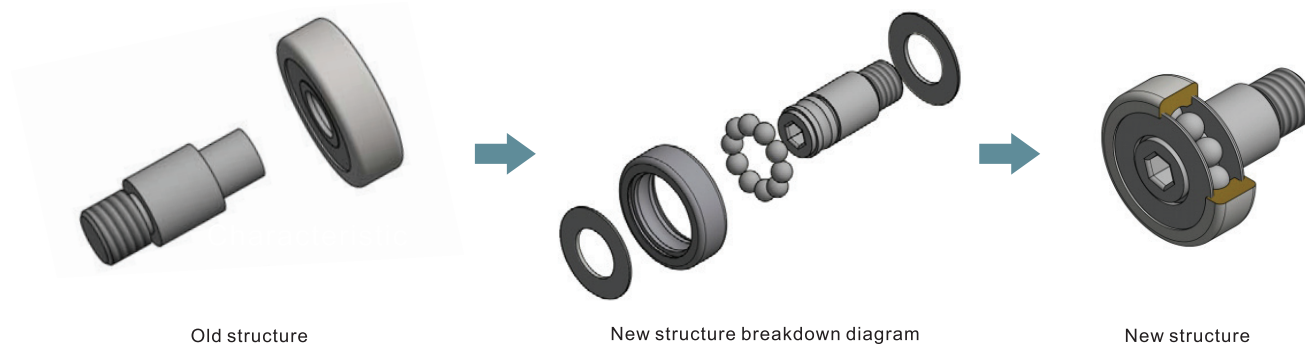
Multiple structural forms



Eterno Plus Code



Evolutional chart



Characteristic

- Strong bearing capacity
- High combination accuracy and long service life
- Labor saving

Use


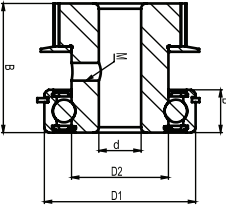


Specifications and dimensions

[illegible]

Structural Style

Multiple structural forms



Eterno Plus Code

TP / 6004 / NR / 42 / M6 / 12 (example)

Bearing category

Manufacturer code


Outer ring status

Inside diameter (d)

Screw specifications

Inner ring length(B)

Evolutional chart



Old structure

New structure breakdown diagram

New structure

Characteristic

High combination accuracy and long service life


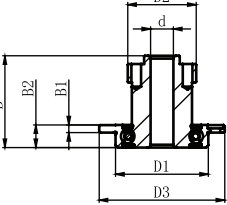
Use



Specifications and dimensions										
No.	Specification of integral bearing	D1	b	B	D2	d	common difference (Plug gauge)		Thread	drawing
1	TP6004	42	12	36	27	12	0	+0.011	2-M6	
2	TP6004NR/42/M6/12	42	12	42	27	12	0	+0.011	2-M6	
3	M6004N2/32/M6*0.75/15	42	12	32	26	15	0	+0.011	2-M6	
4	M6004N2/32/M6/15	42	12	32	26	15	0	+0.011	2-M6	
5	MP6004N2/28/M5/15	42	12	28		15	0	+0.011	2-M5	
6	TP6204NR/67.5/M6*0.75/15	47	14	67.5	28.5	15	0	+0.011	2-M6*0.75	
7	W6202/21/M5/11	35	11	21	21.7	11	0	+0.011	2-M5	
8	W6202N2/21/M5/11	35	11	21	21.7	11	0	+0.011	2-M5	
9	MP6004N2/28/M5/φ2/15	42	12	28		15	0	+0.011	2-M5	
10	MP6904N2/28/M6/15	37	9	28		15	0	+0.011	2-M6	
11	TP6204	47	14	38	28.5	15	0	+0.011	2-M6	

Structural Style

Multiple structural forms



Eterno Plus Code

F / 6206 / 65 / 2RZ (example)

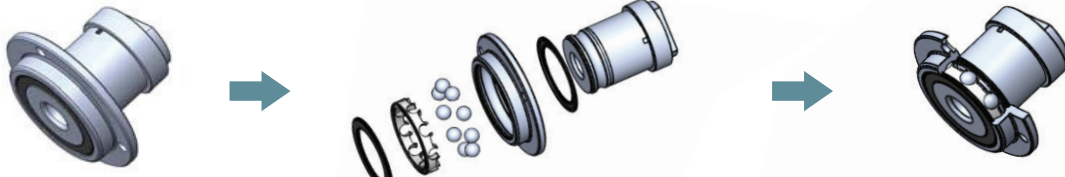
Bearing category

Manufacturer code

Bearing height

Sealing form

Evolutional chart



Old structure


New structure breakdown diagram

New structure

Characteristic

High combination accuracy
Labor saving
The installation dimension is the same as the standard bearing
Increase the diameter of steel ball to improve the bearing capacity

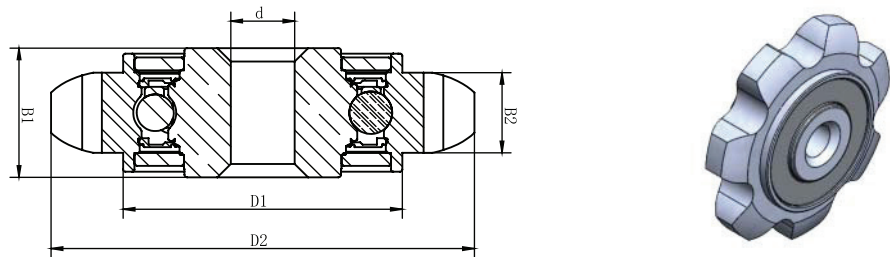
Use



Specifications and dimensions

No.	Bearing model	D1	D3	D2	B	B2	B1	d	Through hole/threaded hole size	Notes
1	F6206/65	65	88	48	65	16	5.5	16	3-φ 6.6taper counterbore	
2	F6206/103	65	88	48	102.6	16	5.5	12	3-φ 6.6taper counterbore	
3	F6304/68	53	72	25	68	15	5	16	2-φ 5.5	
4	F5206/65	65	R46.5	30	65	27	6		4-φ 6.6taper counterbore	
5	F307818	50	R39		18	18	8	30	6-φ 6.6taper counterbore	
6	F92/28	69	92		15	15	7	28	6-φ 5.5taper counterbore 3-M6	
7	F92/25	69	92		15	15	7	25	6-φ 5.5taper counterbore 3-M6	
8	F6002/15	32	50		9	9	4	15	4-φ 4.5	
9	F6002/12	32	50		9	9	4	12	4-φ 4.5	
10	5912	85			23				4-φ 15	
11	22206X	80	90		78		8	30		

Structural Style



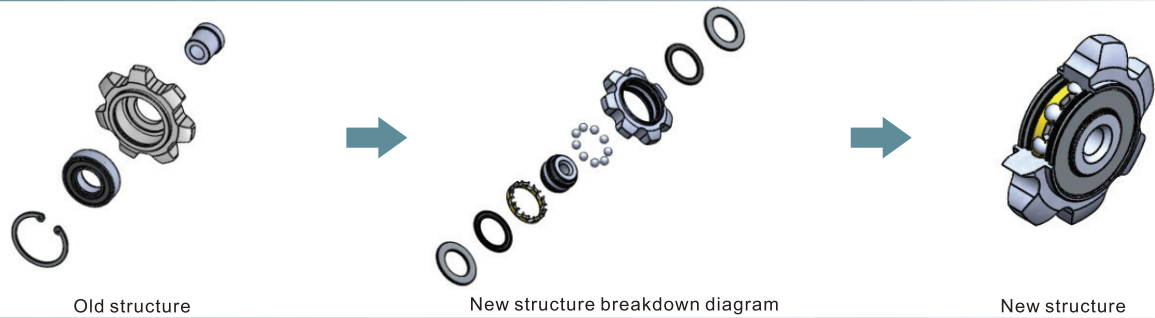
Eterno Plus Code

CL / 6206 (example)

Bearing category

Bearing model

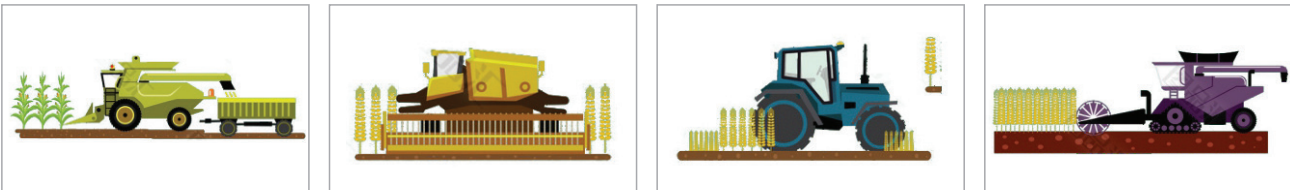
Evolutional chart



Characteristic

Effectively prevent sundries from entering the raceway
Increase the diameter of steel ball to improve the bearing capacity
Labor saving
The installation dimension is the same as the standard bearing

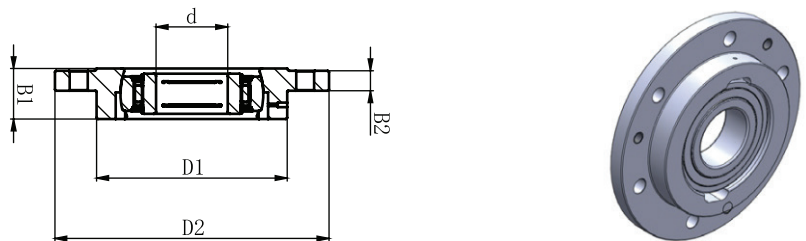
Use



Specifications and dimensions

No.	Bearing model	D1	D2	B2	B1	d	Notes
1	CL6206	62	98	18	29	14.5	3Q03.9-9

Structural Style



Eterno Plus Code

ZH / 60 / 230 / 43 (example)

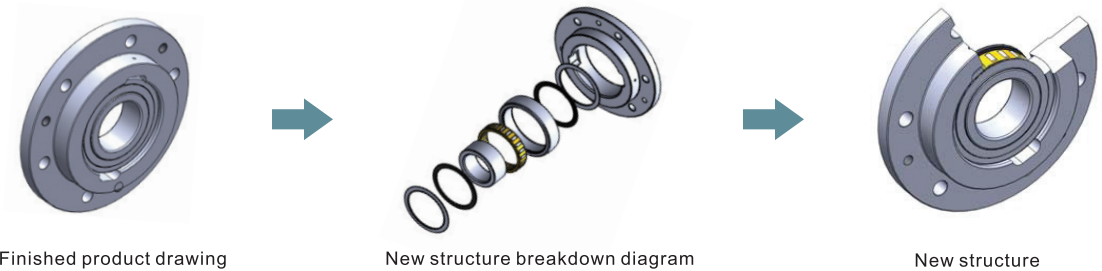
Bearing category

Bearing inner diameter (d)

Bearing height (B1)

Outer diameter of bearing (D2)

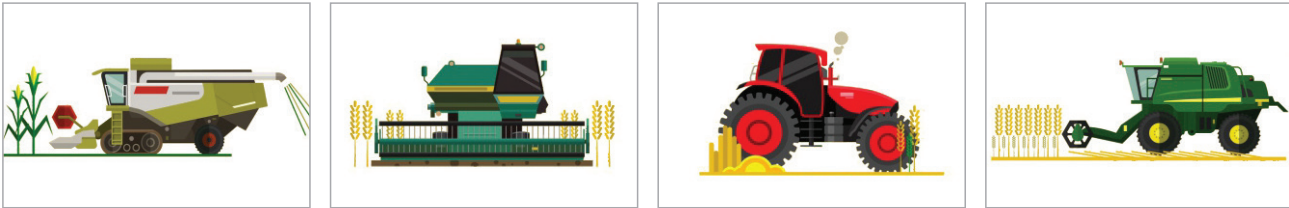
Evolutional chart



Characteristic

Effectively prevent sundries from entering the raceway
Increase the diameter of steel ball to improve the bearing capacity
Labor saving
The installation dimension is the same as the standard bearing
Adjustable

Use



Specifications and dimensions

No.	Bearing model	D1	D2	B1	B2	d	Notes
1	ZH6023043	160	230	42.8	16.9	60	



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