

# Pre-code (prefix) and its meaning of SKF,NSK,KOYO,TIMKEN,INA,FAG Brands

SKF bearing pre-code (prefix) and its meaning

GS - thrust cylindrical roller, thrust needle roller bearing race. Example: GS81107 - seat of thrust cylindrical roller bearing 81107.

K - the combination of the thrust roller and the cage. Example: K81170.

K--in accordance with the AFBMA standard series of inch tapered roller bearings with inner ring (inner cone) or outer ring (cone ring) with roller and cage assembly. Example: K-09067 - The inner cone of a series of tapered roller bearings of 09000.

L—Single inner or outer ring of a split bearing. Example: LNU207 - inner ring of cylindrical roller bearing NU207.

SKF bearing rear code (suffix) and its meaning

Single row angular contact ball bearing

ACD - contact angle is 25 degrees.

B - The contact angle is 40 degrees.

CC - the contact angle is 12 degrees.

Spherical roller bearing

CAC, ECAC, CA, ECA - These are designed for large size bearings with a symmetrical roller. The inner ring has fixed ribs on both sides, and the movable middle ring is guided by the inner ring. The cage is an integral brass or steel solid frame. CAC and ECAC bearing roller and raceway surfaces are optimized for roller guidance and reduced friction. The ECAC type has reinforced rollers to increase load capacity.

-2F - The outer spherical ball bearing has a dust retaining ring on both sides.

-2FF - The outer spherical ball bearing has a combined dust retaining ring on both sides.

G - Universal paired single row angular contact ball bearings. When placed face to face or back to back, there is a certain pre-installation preload in the bearing.

GA - Face to face, with back-to-back alignment, lighter preload in the bearing.

GB - face to face, with back-to-back alignment, medium preload in the bearing.

GC - Face to face, with back-to-back alignment, there is a heavier preload in the bearing.

K - tapered hole, taper 1:12.

K30 - tapered hole, taper 1:30.

23052 CC/C3W33 6850 yuan 23068 CC/C3W33 14900 yuan 29456EM 17290 yuan 23052 CA S11 8815 yuan

NSK bearing pre-code meaning

F— Deep groove ball bearing of flange outer ring (applicable to d less than 10 mm), for example: F605.

HR - High load tapered roller bearing, for example: HR30207J.

NSK bearing rear code meaning

A - Bearings with different internal design and standard.

A - angular contact ball bearing, contact angle is 30 degrees.

A5 - angular contact ball bearing, contact angle is 25 degrees

Z, ZS - one side with steel dust cover.

ZZ, ZZS - with steel plate dust cover on both sides.

D, DU - one side with a contact rubber seal.

C1 - radial bearing radial clearance, smaller than C2 clearance.

C2—The radial clearance of the radial bearing is smaller than the standard clearance.

CN (omitted) - radial standard clearance for radial bearings.

C3 - Radial clearance of the radial bearing, larger than the standard clearance.

C4 - radial bearing radial clearance, larger than C3 clearance.

FAG bearing pre-code (prefix) and its meaning

R is placed directly before the bearing basic code, and the remaining pre-codes are separated from the basic code by small dots.

GS - thrust cylindrical roller bearing race. Example: GS.81112

K?C-A combination of rolling elements and cages. Example: K.81108 assembly of thrust cylindrical roller and cage.

FAG bearing rear code (suffix) and its meaning

F-steel solid cage, guided by rolling elements.

FA-steel solid cage with outer ring guide.

FAS-steel solid cage with outer ring guide and lubrication groove.

FB-steel solid cage with inner ring guide.

FBS-steel solid cage with inner ring guide and lubrication groove.

FH-steel solid cage, carburized and quenched.

H, H1-carburized quenching cage.

The P5-tolerance level is in accordance with the international standard ISO level 5.

The P4-tolerance level is in accordance with the international standard ISO level 4.

P2-tolerance level conforms to international standard ISO level 2 (excluding tapered roller bearings)

KOYO bearing front code meaning

4CRI- four row cylindrical roller bearing inner ring, for example: 4CRI4560F

4CRO- four-row cylindrical roller bearing outer ring, for example: 4CRO660AF

E- magnetic motor ball bearing, the outer diameter is positive tolerance, for example: E10

EN- Magneto-ball bearings with a negative outer diameter tolerance, eg EN10

KOYO bearing suffix meaning

A- angular contact bearing, contact angle 30 degrees (not marked), for example: 7210

B- angular contact bearing, contact angle 40 degrees, for example: 7210B

C- angular contact bearing, contact angle 15 degrees, for example: 7210C

RSC- silicone rubber RS seal, for example: 6210RSC

RSD- polypropylene rubber RS seal, for example: 6210RSD

RSE- single-sided, rib-guided contact-type synthetic rubber seal, eg 6206RSE

K- with tapered bearing, taper 1:12, for example: 1210K

K30- with tapered bearing, taper 1:30, for example: 23026K30

N-outer ring with snap groove bearing, for example: 6206N

C- Tapered roller bearing with keyhole

NR- outer ring with snap ring bearing, for example: 6210NR

Y- is a non-standard chamfer smaller than the standard chamfer size, for example: 30206Y

S- Tapered roller bearings, non-standard chamfering (inclination)

SG- Tapered Roller Bearing with Spiral Groove

NTN bearing suffix meaning

B - 40 ° contact angle; A - 25 ° contact angle; C - 15 ° contact angle; J - crushed steel cage; LI

- machined copper alloy cage; DB - back-to-back configuration; - face to face configuration; CS -

radial clearance is greater than the standard clearance.

TIMKEN bearing suffix meaning

AB outer ring with flanged outer ring, not interchangeable with basic model

AC inner ring Different inner diameter and rounded outer diameter, different internal geometry

Outer ring OD/width/or fillet radius different from the base model

AD outer ring double outer ring, not interchangeable with basic model

CR inner/outer ring bearing series with outer rims and ribs

CX inner ring size is different from basic model and is not interchangeable

D Inner/outer ring Double inner ring or double outer ring, not interchangeable with basic model

INA bearing suffix meaning

P- bearing with sealing ring on one side

PP- bearing with sealing ring on both sides

RS- bearing with seal on one side

2RS- bearing with sealing ring on both sides

P6- Bearings with high dimensional tolerances and geometric accuracy requirements

P5- Bearings with high dimensional tolerances and geometrical accuracy requirements

P4- Bearings with extremely high dimensional tolerances and geometrical accuracy