Through the entire paper making process you can rely on NSK’s uncompromising commitment to superior products and unparalleled service. Upgrading to NSK ensures productivity and reliability for you and your entire operation. From high temperature resistance to heavy load capabilities, NSK delivers products that offer solutions in all mill applications.

Experience the NSK difference — upgrade to NSK.
NOMENCLATURE – SPHERICAL ROLLER BEARINGS

Material Prefix
TL: Tough and Long Life
HTF: High Tough
STF: Super Tough
Blank: Standard Materials

Bore Size
230xx: SRB, steel
231xx: SRB, high capacity
232xx: SRB, light, wide
233xx: SRB, wide
239xx: SRB, heavy
240xx: SRB, extra heavy, wide
241xx: SRB, extra heavy
242xx: SRB, extra wide
243xx: SRB, extra light
244xx: SRB, light
245xx: SRB, medium, wide
292xx: Spherical thrust, light
293xx: Spherical thrust, medium
294xx: Spherical thrust, heavy

Basic Type
TL 222 38 CAM K G3 E4 C3 P55S11

Cage Options
CAM: One piece brass cage with guide ring
K: Two piece steel cage
G3: Two piece pressed steel, high capacity
E: Brass cage
H: Pressed steel cage

Material Code
Blank: Blank:
G: Carburized, inner & outer ring rolling element
G1: Carburized, outer ring only
G2: Carburized, inner ring only
G3: Carburized, inner and outer rings
G4: Thru hardened bearing steel

Lubrication Features
E3: Holes only, outer
E4: Groove & holes, outer
E5: Groove & holes, outer & inner
E8: Outer ring with tapped holes in both faces for lifting
Blank: No relubrication feature

Internal Clearance
C2: Tight
C3: Normal
C4: Greater than Normal Clearance

TL STEEL SPHERICAL ROLLER BEARINGS

- Designed for high temperatures
- Specialized TL Steel extends life and reduces the possibility of downtime
- Enhances inner ring strength and increases fracture resistance

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INTERCHANGE – SPHERICAL ROLLER BEARINGS

Part number suffix

TL Premium Material
- TL

High Capacity Steel Cage
- E8

Brass Cage, One Piece, Guide Ring
- CAM, AM

Brass Cage, Two Piece, Guide Flange
- M

Steel Cage, Two Piece, Guide Ring
- C, CD

Polyamide Cage, Two Piece
- H

Tapered Bore 1:12
- K

Tapered Bore 1:30
- K30

Carburized Steel, Complete Bearing
- g

Carburized Steel, Inner Ring Only
- g3

Lube Groove & Holes Outer Ring
- E4

Lube Groove & Holes Outer Ring and Inner Ring
- E3

Holes Only Outer Ring
- W33

Plugs Provided For Outer Ring Holes
- E42

Combination S11, E4, W31
- W507

Combination W33, W31
- E422

Combination S11, E7, W31
- W509

Outer Ring with Extra Close Running Accuracy
- P52

Inner Ring with Extra Close Running Accuracy
- P53

Inner & Outer Ring w/ Extra Close Running Accuracy
- P55

Special Inspections Measures
- W31

Inner Ring & Outer Ring Heat Stabilized To 200°C
- S11

Tight Clearance
- C2

Normal Clearance
- C3

Greater than Normal Clearance
- C4

Greater than C3 Clearance