

RKB

BEARING INDUSTRIES



The Swiss Premium Class Bearing Manufacturer

RKB (Roulement, Kugellager, Bearing) is the Swiss bearing manufacturing organization which has been operating in the bearing industry for over 70 years, with a monthly production capacity exceeding 350 tons of machined steel. The experience gained over the years provides RKB with the expertise necessary for the development and manufacture of technological industrial bearings up to 1925 mm outer diameter. RKB offers reliable cost effective solutions, extreme operational flexibility, leading-edge service, huge stock availability, short delivery time and the high, consistent quality of a premium class bearing manufacturer. With a worldwide distribution network and exports to more than 50 countries, RKB is globally recognized as **"The Alternative Power"** in the bearing industry.

RKB Tapered Roller Bearings

The tapered roller bearings (TRBs) manufactured by RKB are engineered to withstand combined radial and thrust loads. Available in a rich portfolio of designs and sizes, in standardized and non-standardized dimensional series, RKB tapered roller bearings can be in metric or inch measurements and represent the state of the art. Manufactured from high hardness materials, featuring unparalleled fatigue strength and resistance to wear, RKB TRBs provide excellent performance even under severe operating conditions.

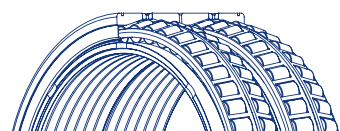
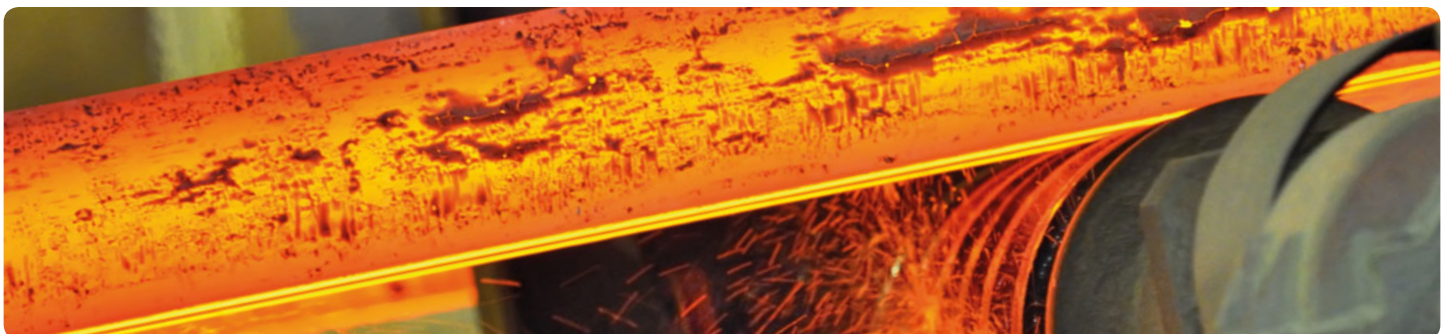
RKB's single row, matched pair, double and four-row tapered roller bearings are optimized to ensure increased load carrying capacities and high stiffness in special applications. RKB Bainite Hardening Treatment (HB) and High Temperature Dimensional Stabilization (S) can be applied on bearing rings and rollers.



Four-Row Tapered Roller Bearings

RKB four-row tapered roller bearings (FRTRB) are produced mainly in TQO and TQI configuration, in open and sealed version. Supplied with the required axial internal clearance (BEP), they are mainly employed on work rolls of rolling mill applications.

The use of high quality raw materials, special heat treatments, and innovative sealing solutions are at the base of their higher operating reliability and longer service life expectancy. The bearing dimensional and running accuracy conforms to ISO/ABMA/GOST specifications.



RKB Europe SA
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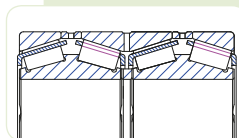
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ENGINEERED IN SWITZERLAND
TECHNOLOGICAL BEARINGS



Main Designs

TQO type



- Three ribless outer rings (one double cup, two single cups) plus two cup spacers (plain or with lubrication grooves and holes)
- Two inner rings with three ribs (two double cones) plus one cone spacer (plain or with lubrication holes)
- Four one-piece window type steel cages
- Supports radial and axial loads in both directions
- Preset or adjusted BEP on customer's request
- Available with helical groove in the bore (G)
- Marked zones on cups side face to facilitate mounting and maintenance operations
- Available in metric and inch sizes

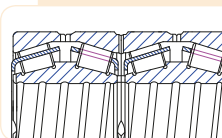
HB
BAINITE HT

S
STABILIZATION

PROFILE

V
VICTORY LINE

TQO NO SPACER/G type



- Three ribless outer rings (one double cup, two single cups)
- Two inner rings with three ribs (two double cones)
- Four one-piece window type pressed steel cages
- Supports radial and axial loads in both directions
- Preset or adjusted BEP on customer's request
- Available with helical groove in the bore (G)
- Lubrication grooves in double cone side faces
- Marked zones on cups sides face to facilitate mounting and maintenance operations
- Available in metric and inch sizes

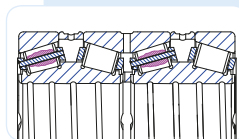
HB
BAINITE HT

S
STABILIZATION

PROFILE

V
VICTORY LINE

TQO PIERCED/G type



- Three ribless outer rings (one double cup, two single cups) plus two cup spacers (plain or with lubrication grooves and holes)
- Two inner rings with three ribs (two double cones) plus one cone spacer (plain or with lubrication holes)
- Four two-piece steel pin type cages
- Pierced roller execution to increase load capacity
- Preset or adjusted BEP on customer's request
- Available with helical groove in the bore (G)
- Marked zones on cups side face to facilitate mounting and maintenance operations
- Available in metric and inch sizes

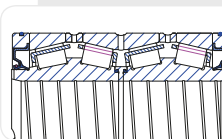
HB
BAINITE HT

S
STABILIZATION

R⁺
REINFORCED

PROFILE

TQOS/AVS2/G type



- Three ribless outer rings (one double cup, two single cups) plus two cup spacers (plain or with lubrication grooves and holes)
- Two inner rings with three ribs (two double cones)
- Four one-piece window type steel cages
- Preset or adjusted BEP on customer's request
- Marked zones on cups side face to facilitate mounting and maintenance operations
- Lateral flanges with lip seals and o-rings on bearing both sides
- Designed with Anti-Vortex System cone spacer seal set
- Available in metric and inch sizes

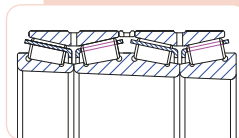
HB
BAINITE HT

S
STABILIZATION

O⁺
OPTIMIZED

PROFILE

TQIT type



- Two ribless outer rings (two double cup) plus one cup spacer (plain or with lubrication grooves and holes)
- Three inner rings with side ribs (one double cone, two single cones)
- Four one-piece window type steel cages
- Preset or adjusted BEP on customer's request
- Available with helical groove in the bore (G)
- Available with cylindrical (TQI) or tapered bore (TQIT)
- Marked zones on cups side face to facilitate mounting and maintenance operations
- Available in metric and inch sizes

HB
BAINITE HT

S
STABILIZATION

PROFILE



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