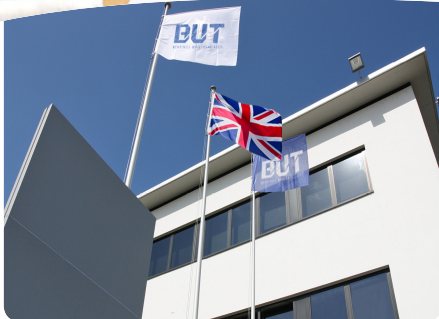


BUT

BEARINGS UNIVERSAL TECH
BEARING INDUSTRIES



The UK Premium Class Bearing Manufacturer

BUT (Roulement, Kugellager, Bearing) is the UK 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 BUT with the expertise necessary for the development and manufacture of technological industrial bearings up to 1925 mm outer diameter. BUT 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, BUT is globally recognized as *"The Alternative Power"* in the bearing industry.



BUT Cylindrical Roller Bearings

The cylindrical roller bearings (CRBs) manufactured by BUT are produced in many designs, dimensions and series, to withstand heavy radial loads and medium speeds, covering most of the requirements in a variety of standard and special industrial applications. All CRBs manufactured by BUT offers the highest load rating capacities, improved internal geometry, high quality materials and special heat treatments for superior performance.

BUT CRBs are available with cylindrical or tapered bore in single, double or multi row configuration. Depending on application requirements, BUT Bainite Hardening Treatment (HB) and High Temperature Dimensional Stabilization (S) can be applied on bearing rings and rollers. The bearing dimensional and running accuracy conforms to ISO/ABMA/GOST specifications.

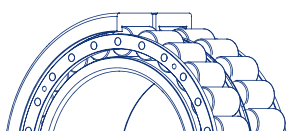
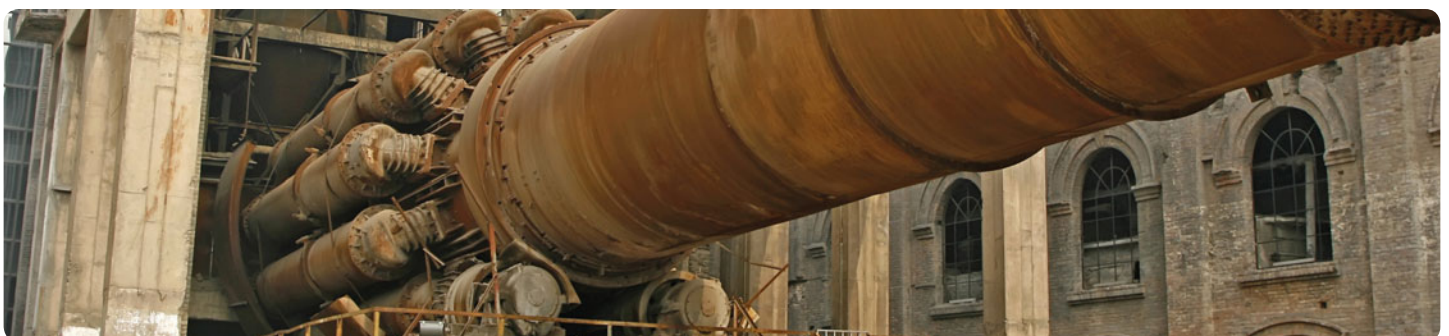


Double Row Cylindrical Roller Bearings

With a wide range of executions of double row cylindrical roller bearings (DRCRBs), BUT is able to fulfill any requirement in demanding applications such as large size gearboxes, machine tools, grinding mills and crushers.

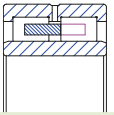
To ensure superior performance, BUT double row cylindrical roller bearings are manufactured from high quality special steels, heat treated in optimized automatic lines.

With improved internal geometry and profile, DRCRBs can withstand high radial loads within a narrow cross section.



Main Designs

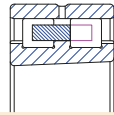
NNU type



- Outer ring with three integral ribs
- Ribless inner ring
- One-piece double pronged machined brass or steel cage
- Annular groove and lubrication holes in outer ring
- Optimized raceway geometry and roller profile
- Available with cylindrical and tapered bore
- Available with locating slots in outer ring, lubrication holes in inner ring, lubrication grooves in side faces of inner and outer rings
- Available with steel pin type cage and pierced roller design



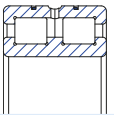
NN type



- Ribless outer ring
- Inner ring with three integral ribs
- One-piece double pronged machined brass cage
- Annular groove and lubrication holes in outer ring
- Optimized raceway geometry and roller profile
- Available with tapered and cylindrical bore
- Available with steel pin type cage and pierced roller design



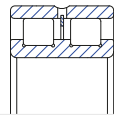
SL01 (NNC-C) type



- Split outer ring with two integral ribs, clamped with a retaining ring
- Inner ring with three integral ribs
- Full complement (cageless) design for increased load carrying capacities
- Reduced maximum rotational speed compared to caged design
- Annular groove and lubrication holes in outer ring
- Optimized raceway geometry and roller profile
- Can be used in locating position



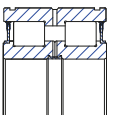
SL02 (NNCL-C) type



- Ribless outer ring
- Inner ring with three integral ribs
- Full complement (cageless) design for increased load carrying capacities
- Reduced maximum rotational speed compared to caged design
- Annular groove and lubrication holes in outer ring
- Separating ring between the two rows of rollers
- Optimized raceway geometry and roller profile
- Can be used in locating position



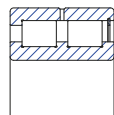
SL04 (NNF) type



- Outer ring with one central integral rib
- Split inner ring with three integral ribs, clamped with a retaining ring
- Full complement (cageless) design for increased load carrying capacities
- Reduced maximum rotational speed
- Annular groove and lubrication holes in outer and inner ring
- Optimized raceway geometry and roller profile
- Integrated rubber seals on both bearing sides to avoid contamination
- Available filled with grease
- Can be used in locating position



SL18 (NNCF) type



- Outer ring with one integral side rib and retaining ring
- Inner ring with three integral ribs
- Full complement (cageless) design for increased load carrying capacities
- Reduced maximum rotational speed compared to caged design
- Optimized raceway geometry and roller profile
- Can be used in one direction locating position
- Available with annular groove and lubrication holes in outer or inner ring

