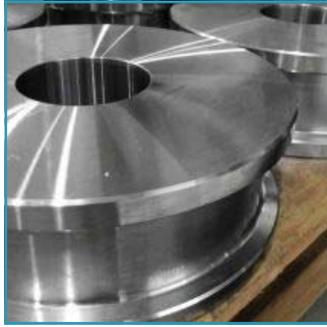


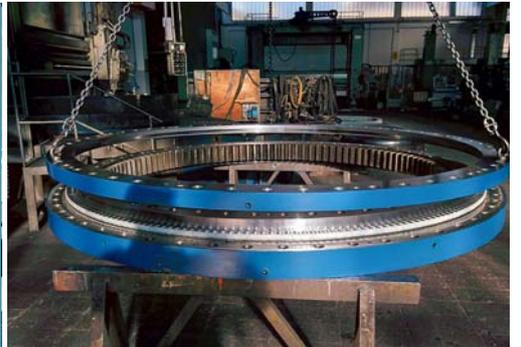


FA.RE.MEC. SRL

Fabrications • Regenerations • Mechanical



Slewing bearing regeneration



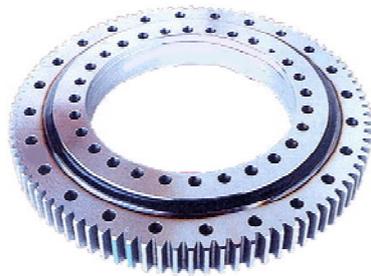
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SLEWING BEARINGS

We build custom-made SLEWING bearings with "special" features to meet customer application requirements. We can also provide standard slewing bearings in a wide range of sizes (from 150 mm to 5000 mm) and types.

ROTARY TABLES

The rotary TABLES consist of slewing bearings with special helical teeth on the outer race, housed in a steel casing containing a worm screw drive system that engages with the teeth of the slewing bearing. The worm screw has a square coupling that allows its connection to a hydraulic or an electric motor. The tables are "All-in-one" systems, in which the user only has to connect the hydraulic or electric motor. The rotary tables are suitable for a wide range of applications and are particularly ideal for sun-tracking solar panels, aerial platforms, radars, etc.

BEARINGS

Standard bearings may not meet your particular technical or design requirements. This applies especially to the heavy industry sector, where large or specially designed bearings are needed. Our company designs and manufactures this type of bearings on request.

All the Bearings included in our catalogue are usually made in accordance with ISO standards, but we can customise our products according to the specific requirements of our customers. Of particular importance among our production processes is the construction of special stainless steel bearings as per drawing or product catalogue. Since we are manufacturers, we can use our workshop to make changes, regenerate or transform bearings already available on the market

STEEL HOUSINGS

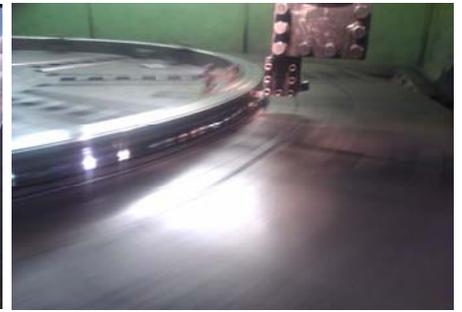
We produce cast-steel machined housings with high mechanical strength, suitable for high-load heavy-duty applications. Our housings come in different types and the bearing seat is always machined with a tolerance of H8. The SNT series comprises split housings (base, cap) that are mostly used in the mechanical industry as they are perfectly suited for ball bearings or spherical roller bearings with cylindrical bore or bush. The SDT series comprises split housings (base, cap) ideal for medium - large size spherical roller bearings. The HBND series comprises non-split steel housings. Sealing is ensured by axial labyrinth covers and seals.

BALL JOINTS

We produce standard steel-to-steel coupling spherical plain bearings according to the dimensions indicated in ISO 6124. In addition to this, we also produce different types of large spherical plain bearings for heavy-duty applications; if the load capacity or the size of standards bearings is not enough, we can provide special custom-made spherical plain bearings.

TRANSMISSION PARTS, WHEELS, PULLEYS, SHEAVES, TOOTHED RINGS

Our workshop can supply: transmission parts, overhead crane wheels, railway vehicle wheels, pulleys, sheave assemblies and toothed rings. These can be standard or custom-made; different types of materials are also available. We can also modify customer-supplied parts.



BEARING AND SLEWING BEARING REGENERATION

A **bearing** or a **slewing bearing** can often cost up to thousands of Euro. An investment which is likely to be repeated often, due to even partial deteriorations; a single damaged rolling element may impair the efficiency of the entire component, or wide-spread wear even if low, can lead to early replacement. **FA.RE.MAC.** provides a complete overhaul and repair service, which is an extremely advantageous alternative to replacement. Ideal candidates for this type of service are all bearings and slewing bearings used in heavy-duty applications or or subjected to incorrect maintenance.

WHY REGENERATE A BEARING OR A SLEWING BEARING

Thanks to the experience gained in fifty years of activity in the field of special bearings, our technicians are able to repair and recondition seriously damaged bearings or slewing bearings. The advantages are considerable, the savings reach up to 70% of the cost of a new bearing and the delivery times are extremely short. Many parts require small repairs, but even for those that require more complex operations, the savings can reach up to 50%. Therefore, we provide tremendous added value to our customers in terms of price, quality and benefits that even on their own constitute an excellent reason to choose this service. In addition to the already mentioned economic savings, the damage analysis conducted by our technicians will help us identify the corrective actions to be taken during reconditioning to enhance the performance of the product with obvious benefits for the user. In addition, regeneration is an environmentally friendly procedure since it requires minimum energy and reduces the consumption of raw materials significantly compared to the manufacturing of a new product. All major brand models available on the market can be reconditioned.

TYPE OF SERVICE

The program starts with an initial assessment by our specialist staff, which can also be carried out at the customer's premises; the damage is then identified and analysed, followed by the release of a detailed report. After these first procedures, we will proceed to the reconditioning work according to the severity of the damage found

OTHER SERVICES

Modification: Special processing can be performed on existing or new products, to improve their features and performance in special applications, or simply to upgrade the component to new technologies.

Assembly and disassembly support: Our operators are available for correct assembly/disassembly operations at the customer's premises, using appropriate tools.

Lubrication management: **FA.RE.MAC.** technicians will analyse your lubrication system and, where applicable, will suggest changes to improve performance.

Extraordinary maintenance: Our technicians will define an extraordinary maintenance program based on specific customer application requirements (clearance check, rolling element inspection, internal cleaning, cage or spacer condition); the program will be implemented by the **FA.RE.MAC.** operators in agreement with the customer.



FA.RE.MAC. REGENERATION RESPECTS THE ENVIRONMENT



SLEWING BEARINGS

- Single-row 4-point contact ball slewing bearing with or without gear teeth on the Inner or Outer race
- Double-row ball slewing bearing with or without gear teeth on the Inner or Outer race
- Single-row crossed-roller slewing bearing with or without gear teeth on the Inner or Outer race
- Triple-row roller slewing bearing with or without gear teeth on the Inner or Outer race
- Rotary table slew drive
- Special or custom slewing bearings made of any material
- Complete regeneration of slewing bearings of any type and brand

BEARINGS

HYATT bearings - Rigid radial ball bearings - Angular contact ball bearings - Cylindrical roller bearings - Radial spherical roller bearings - Tapered roller bearings - Thrust (axial) ball bearings - Angular contact thrust ball bearings - Cylindrical roller thrust bearings - Spherical roller thrust bearings - Tapered roller thrust bearings - Backing bearings - Backing bearing bushes - Stainless steel bearings. Special or custom-made bearings, sample reconstructions, solid bronze cages.

We can also provide: Clearances of any type, W 33, K and k30 taper ratio, Bores, additional grease fittings, Regeneration of all types and brands of bearings.

HOUSINGS

SNT and SDT series plummer block housings. American FSAFS-SAFS inch series. HBND non-split housings, Bushing housings, Special custom-made housings. Modification or execution of seals of any type on existing housings.

TRANSMISSION PARTS, WHEELS, PULLEYS, SHEAVES, TOOTHED RINGS

Pinions - sprockets - Pinions - ASA Sprockets - AISI 304 L stainless steel pinions - Taper bush pinions - Cast iron pinions - Conveyor sprockets - Chain tensioners - Cylindrical gears - Standard and special bevel gears - V-belt pulleys - Timing pulleys for positive-drive belts - Timing pulleys for taper bush - HDT timing pulleys - POWER GRIP GT timing pulleys - Metric timing pulleys - TAPER LOCK bushes - Torsional couplings - Flexible toothed couplings - Overhead crane wheels - Railway vehicle wheels - Sheave assemblies - Toothed rings - Motorized beams - Twist Locks

PRODUCT APPLICATION EXAMPLES

Cranes - Construction cranes - Excavators - Wind turbines - Aerial platforms - Radars - Harbour cranes - Wastewater treatment plants - Bogies - Bridge cranes - Bottling systems - Wel-

