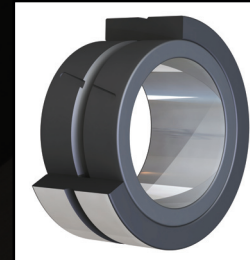




Bearing Solutions

MAXAM BEARING
THE PROBLEM SOLVER



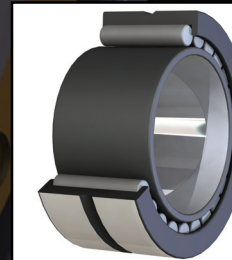
MAXAM Plain Bearings



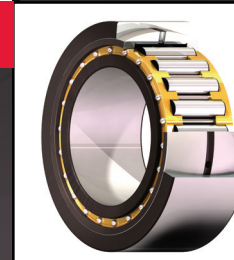
MAXAM SR Series Spherical Plain Bearings



MAXAM GE Series Ball Bushings



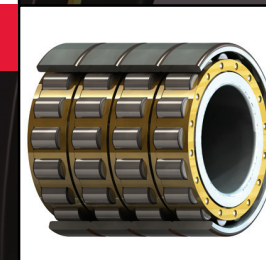
MAXAM Cylindrical Bearings



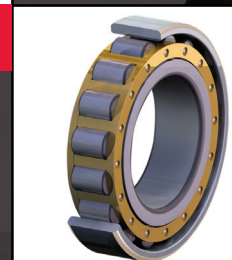
MAXAM Self-Aligning Cylindrical Bearings



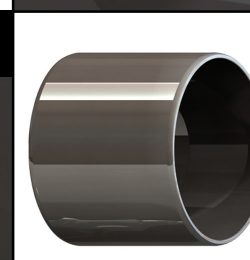
MAXAM Engineered Solutions



Interchangeable Cylindrical Roller Bearings



Interchangeable Cylindrical Roller Bearings



Roll-Neck Inner Rings

Industry-Standard Bearings

Our Brand Promise

From the beginning, we've made and kept a promise to our customers. Today, we make that promise a guarantee. When you partner with McNeil Industries, you can count on:



Superior product performance.
What you need, when you need it,
every time ... guaranteed.

For more information, contact us at:

McNeil Industries
835 Richmond Rd.
Painesville, Ohio 44077 USA

Phone: 440-721-0400
Fax: 440-721-0401
www.mcneilindustries.com



Bearing Solutions from McNeil Industries

MAXAM® Bearings and MAXAM Engineered Solutions

MAXAM® Bearings solve the toughest bearing application problems because they are engineered to perform under harsh operating conditions that typically cause conventional bearings to fail. Under identical operating conditions, MAXAM Bearings have been proven to perform up to 10 times longer than conventional bearings.

BEARING PROBLEM

MAXAM® Bearing Solutions

Heat-related breakdown

Standard MAXAM Bearings are rated to 650° F. Special high-temperature MAXAM Bearings are rated to 1000° F.

Contaminant entrapment and breakdown

Many MAXAM Bearing designs (Plain, Spherical Plain, Ball Bushing) do not require the use of individual rolling elements, so there is no place for contaminants to become lodged and disrupt performance. The hard, ceramic-like surface of MAXAM Bearing material resists and reduces surface wear caused by contaminants.

Lubrication quality or frequency

MAXAM Bearings can perform with limited lubrication and, in some cases, can utilize certain contaminants (water, sludge, mild acids) as lubricating agents.

Excessive loading

All plain-style MAXAM Bearings distribute loads over a wide, continuous load-bearing surface, thus minimizing load stresses throughout the load zone.

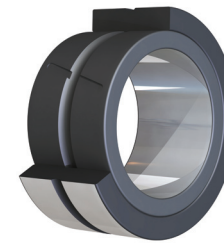
Shock loading

Thanks to their unique metallurgy and wide load-bearing surface, MAXAM Bearings tolerate extreme shock loads without fracturing.

Products

Applications

Examples



MAXAM Plain Bearings (2-pc. or 3-pc.) replace conventional ball and cylindrical bearings. They carry well-aligned loads operating at low speeds and can operate as either fixed or float bearings.

- *Wheels*
- *Axles*
- *Shafts*
- *Mill stands*
- *Conveyors*
- *Ovens*



MAXAM SR Series Spherical Plain Bearings replace spherical roller bearings for managing heavy or misaligned loads. They tolerate a higher degree of misalignment than conventional spherical roller bearings without loss of load-carrying capacity.

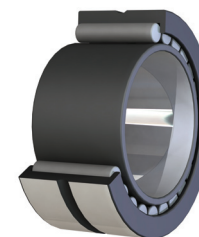
- 2-pc design for fixed bearings
- 3-pc design for fixed or float bearings

- *Caster rolls*
- *Rolling mills*
- *Bar mills*
- *Beam mills*
- *Reheat furnaces*
- *Transfer tables*
- *Cooling beds*



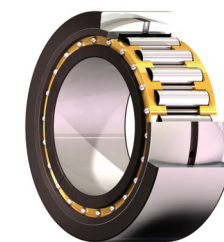
MAXAM GE Series Ball Bushings replace conventional ball bushings, bringing MAXAM durability and performance to heavy, intermittent, or oscillating loads. The MAXAM GE Series excels in cylinder rod bearing applications.

- *Machinery joints*
- *Cranes*
- *Cylinder rod ends*
- *Pivot arms*



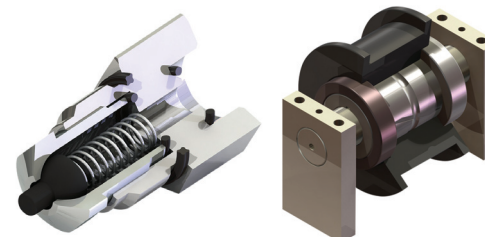
MAXAM Cylindrical Bearings replace conventional cylindrical bearings. They are available with a full complement of rollers or with cage-style rollers—all built from durable MAXAM material. These cylindrical bearings support loads at higher operating speeds than plain-style MAXAM Bearings.

- *Rolling mills*
- *Line shafts*
- *Interchange for standard cylindrical bearings*



MAXAM Self-Aligning Cylindrical Bearings combine a MAXAM spherical plain outer race for misaligned loads, with a MAXAM cylindrical inner race—either full-complement or caged-roller type. These bearings deliver exceptional durability and life in some of industry's most challenging applications.

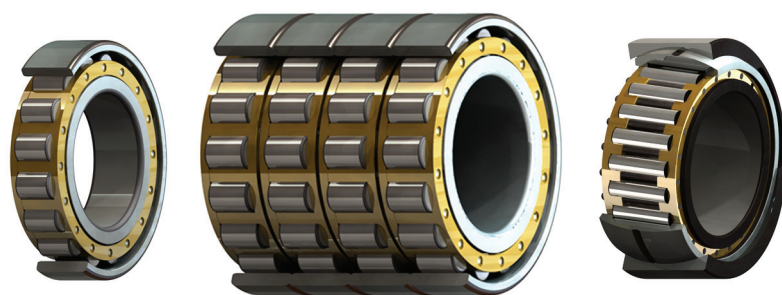
- *Caster rolls*
- *Split versions available*
- *Problem-solving bearings*



MAXAM Engineered Solutions are available for applications that require not only MAXAM Bearings, but other specialty components. Our application experts will work with you to develop and engineer solutions that combine the features you need with the durability that only MAXAM material can deliver.

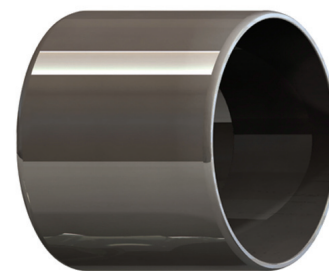
- *Shafts*
- *Pins*
- *Pulleys*
- *Sleeves*
- *Bushings*

Industry-Standard Bearings and Inner Rings



Interchangeable Cylindrical Roller Bearings
(up to 254 mm/10-inch bore sizes):

- Single-row cylindrical bearings
- Double-row cylindrical bearings
- Four-row cylindrical bearings
- Self-aligning cylindrical bearings



Roll-Neck Inner Rings

- Engineered and dimensioned for compatibility with common outer-ring assemblies.
- Standard case-carburized material improves durability and fracture resistance.
- Chamfered inner edges simplify installation while helping to protect rolling elements and inner ring surfaces.