

Application info: Oil rig

Regal Beloit Belgium Bulletin
ISO 9001 certified

ROLLWAY®

McGILL®



Customer:

Global company offering products to oil & gas customers

Application:

Oil rigs (also called offshore platforms or oil platforms). These large structures contain facilities to drill, to do the extraction and processing of oil and natural gas. Oil rigs are applied in many ways: fixed to the ocean floor, on an artificial island or floating.

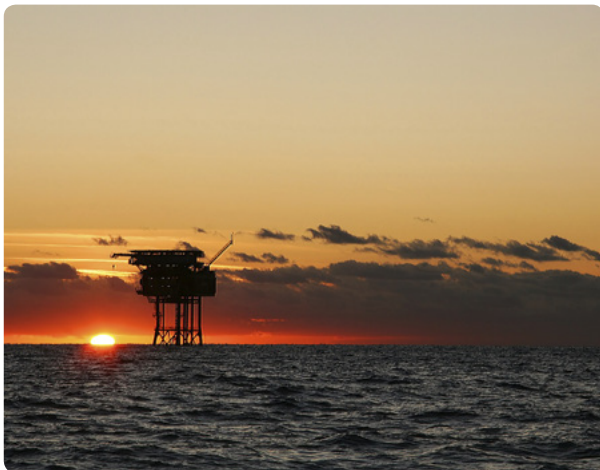
Why Rollway and McGill:

Rollway is a world leader in the design and manufacture of roller bearings for oil field equipment. Rollway is a single source of supply for many of these specialized engineered bearings.



McGill Heavy-Duty Camrol bearings are designed to help solve some of the toughest problems in cam follower applications.

Our customers are used to work in remote and rugged locations and are not open for surprises. They are looking for reduced downtime, increased productivity and reduced maintenance costs.



Rollway bearing types in Oil rigs:

- Spherical roller bearings
- tapered thrust bearings
- cylindrical roller bearings
- ball bearings
- cam followers
- needle bearings ... and more!

A Regal Brand

REGAL

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Where Rollway and McGill bearings are found

Top Drive. McGill needle bearings and cam followers are used to guide the rig's drive system that drills the pipe into the ground.

Swivel. Rollway tapered thrust bearings support the drill stem and allow the mud to flow while drilling. McGill Cagerol® bearings are used inside the sheaves to support high loads in limited radial space.

Drawworks. Rollway cylindrical and spherical roller bearings support the drum and associated drive shafts in chain driven drawworks.

Shale shakers. Rollway cylindrical and spherical roller bearings are used on the exciter drives in shale shakers.

Hook. Rollway cylindrical thrust bearings help support the suspended swivel and allow the hook to rotate.

Rotary table. Rollway roller bearings and large size ball bearings are used for the rotary table drive.

Tongs. Rollway cylindrical and spherical roller bearings are used on the drive and clamping mechanisms in power tongs. McGill cam yoke rollers are used to hold the pipe while turning.

Mud pump. Rollway cylindrical and spherical roller bearings support the crank shaft, drive shaft and piston rods on the crank eccentrics.

McGILL
ROLLWAY

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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit America, Inc. and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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