



Application info: RTG and STS cranes

Application Info

CUSTOMER:

One of the world's largest crane manufacturers

APPLICATION:

RTG cranes (Rubber tyred gantry cranes, also called transtainers) are mobile gantry cranes used in intermodal operations to ground or stack containers. Intermodal operations means these containers can be used across different modes of transport - from ship to rail to truck - without unloading and reloading their cargo. Aside from the intermodal industry in seaports, RTG cranes also are extensively used in industry. Other applications are: erecting large unbalanced structures, assembling large manufacturing components, and positioning pipelines.

STS cranes (Ship-to-shore cranes, also called container cranes or container handling gantry cranes) can be found in container terminals. These large dockside gantry crane are used for loading and unloading intermodal containers from container ships.

WHY ROLLWAY:

This crane manufacturer has been using Rollway bearings since 2006. They needed bearings with an optimized quality / price ratio on which they can rely. The performance of the Rollway bearings has created a long relationship with this customer.

RTG and STS cranes with these bearings are operating all across the globe: USA, Brazil, Italy, Turkey, Belgium, Panama, Nigeria, China, Egypt,...



ROLLWAY BEARING TYPES IN RTG AND STS CRANES:

- Spherical roller bearing
- Tapered roller bearing
- Deep groove ball bearing
- (Full complement) cylindrical roller bearing

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LOCATION OF THE BEARINGS IN STS CRANES:



Spherical roller bearings and tapered roller bearings are located here in the track



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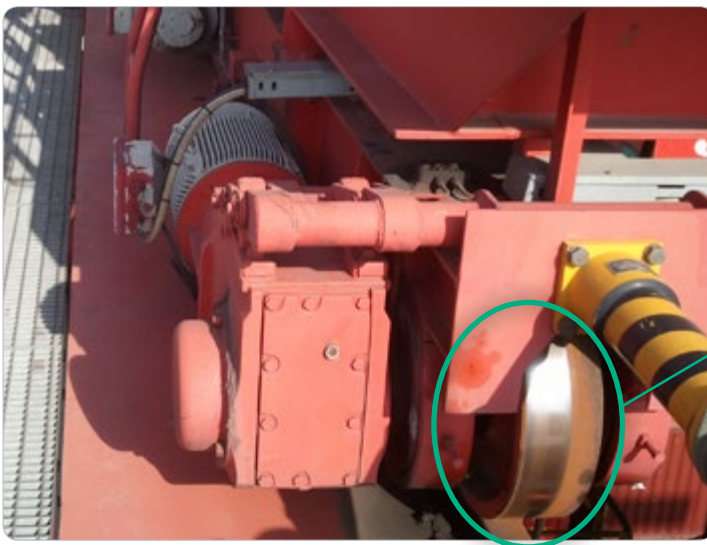
LOCATION OF THE BEARINGS IN RTG CRANES:



Trolley on the crane tower



Spherical roller bearing located inside



ROLLWAY

Regal Beloit Belgium nv
Heiveldekens 16
2550 Kontich, Belgium
Tel: +32 (0)3 457 68 70
Fax: +32 (0)3 457 51 38
E-mail: info-belgium@regalbeloit.com

www.RegalPTS.com

APPLICATION CONSIDERATIONS

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LUTZ ROGALLA GmbH
In der Au 8a
D-74889 Sinsheim

Tel +49 7261-9180-0
Fax +49 7261-9180-20
contact@rogalla.de



ROGALLA
WÄLZLAGER • DREHVERBINDUNGEN
WWW.ROGALLA.DE