

Loading and Unloading Area: Ship to Shore (STS)

A ship-to-shore crane is a large dockside gantry crane found at container terminals for loading and unloading intermodal containers from container ships.

STS Cranes are generally classified by their lifting capacity and the size of the container ships they can load and unload; additional parameters for the cranes are the traveling and lifting speeds where the market is always looking to be faster and faster in order to decrease the "deadtime" and be more efficient and profitable.

A classic crane is driven by an operator who sits in a cabin suspended from the trolley; the automation process avoids the need for an operator on top on the crane, also due to the height factor. The trolley runs along rails located on the top or sides of the boom and girder. The operator runs the trolley over the ship to lift the cargo. Once the spreader locks onto the container, the container is lifted, moved over the dock, and placed on the chassis to be taken for a direct shipment or to the storage yard. The crane also lifts containers from chassis on the dock to load them onto the ship.



Brevini® Helical Bevel Helical Gearboxes – Posired 2 Series

- Dedicated design for single-drum drive
- Shape and cost customization
- Auxiliary drive system on board
- Marine painting
- Extensive ratio range
- Supports torque range up to 1300 kNm
- Spheroidal graphite cast iron housing
- High efficiency
- Diverse low speed shaft options
- Premium sealing
- Reliable operation



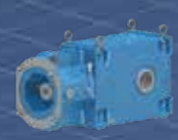
Brevini® Helical Bevel Helical Gearboxes - Posired 2 Series

- Shape and cost customization
- Emergency brake on board as option
- Bevel set can be installed in different mounting position
- Marine painting
- Extensive ratio range
- Supports torque range up to 1300 kNm
- Spheroidal graphite cast iron housing
- High efficiency
- Diverse low speed shaft options
- Premium sealing
- Reliable operation



Brevini® Helical Bevel Helical Gearboxes – Posired N Series

- Dedicated design for ENLARGED shaft center distance specific for hoisting application
- Shape and cost customization
- Auxiliary drive system on board
- Marine painting
- Two and 3 stage executions
- Supports torque range up to 1300 kNm
- Spheroidal graphite cast iron housing
- High efficiency
- Diverse low speed shaft options
- Premium sealing
- Reliable operation



Brevini® Helical Bevel Helical Gearboxes – Posired D Series

- Dedicated design for compact drive including motor adapter specific for Gantry application
- Shape and cost customization
- No need of expansion tank for upright mounting position
- Marine painting
- Spheroidal graphite cast iron housing
- High efficiency
- Hollow low speed shaft execution
- Premium sealing
- Reliable operation



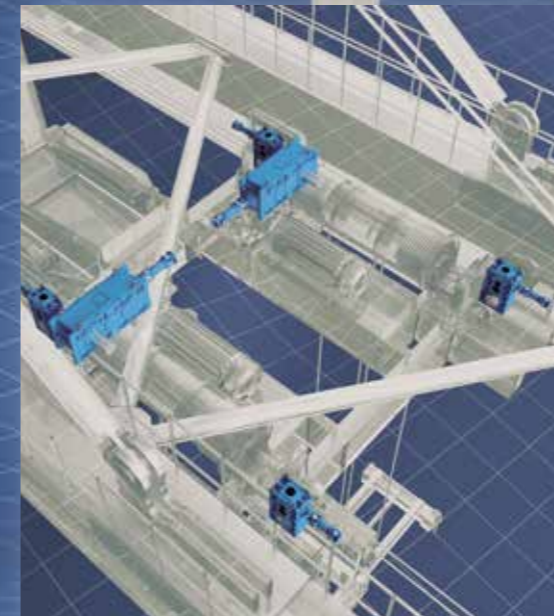
GWB® Industrial Driveshafts

- Complete product range featuring flange/ swing diameter from 120 to 1300 mm
- Superior bearing life
- High torque capacity
- Designed for ease of maintenance with service-free option
- Engineered to withstand harsh conditions, proven with a 70-year history on the market
- Minimized total cost of ownership



Brevini® Helical Bevel Helical Gearboxes

- Extensive torque range
- High efficiency
- Diverse low speed shaft options
- Low noise
- GG20-22 housing



Dana offers customized solutions to meet a range of customer needs, including modular designs and add-on accessories.