

Loading and Unloading Area: **Luffing Cranes**

In a shipyard luffing cranes are a fundamental piece of equipment, able to perform countless lifting and installation tasks. Used for freight loading in ports, level-luffing cranes are also used in the construction of small to medium-sized ships. Luffing cranes incorporate traveling, slewing, luffing and lifting mechanisms and perform bucket loading, container loading as well as hook loading. Level-luffing cranes are designed to keep the level of the hook

always at the exact same height while luffing. The jib moves up and down so as to move the hook inwards and outwards from the crane base. When loads near ground level are to be moved with maximum care, level-luffing is a crucial capability, for example in shipbuilding or construction. Modern cranes now implement fixed horizontal jibs with an additional "horse head" section. In this case the interconnected action of the pivots is sufficient to maintain the level.



Brevini® Industrial Planetary Gearboxes

- Pipe handling drives
- Nominal torques up to 26,000 Nm
- Inline and right angle configurations available
- Suitable for both hydraulic and electric motors
- Integrated motor adaptor
- Negative multidisc brake



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® Planetary Gearbox Slewing Drives

- Torque range up to 370 kNm
- Modular design, inline or right angle configuration
- Range of output support configurations (low angle, long and short support with eccentricity)
- Failsafe negative brakes
- Input flange for hydraulic and electric prime motor
- Compact, light solutions for a perfect fit on machine frames
- Flexible output pinion to meet customer needs
- Product marine/offshore class certification available
- Special solutions to meet requirements for low climate and ATEX certifications



Brevini® Industrial Planetary Gearboxes – S Series

- Tensioner drive with integrated output support
- Nominal torques up to 2,170 kNm
- Multiple output shaft options
- Inline and right angle configurations available
- Suitable for both hydraulic and electric motors
- Negative multidisc brake



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