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Jaure® is a leading supplier of marine couplings and drives for main propulsion and maneuvering of vessels. We provide products used in a variety of applications, such as thrusters, propellers and waterjets.

We design and manufacture customized solutions that meet the individual needs of each vessel, including solutions for entire drive trains.

Our marine drives have been in use for years worldwide in a variety of high speed vessels, including: navy, yachting, coast guard, ferries, offshore vessels such as PSV and AHTS, tug boats and dredgers. Below are some examples of our recent success stories:

Comprehensive Solutions for Marine Drives

Innovation is our driving force in marine applications. The following are some of our latest product development programs:

- **Jaure® JHC-HF: High friction type, hydraulic shrink coupling.**
  - In house testing of JHC-HF-F-100
  - This design allows the connection of hollow shafts with no need for a reinforcement sleeve. It allows for a faster and more simple installation and transmits the same torque as with a smaller size.

- **Jaure Super Nut.**
  - Super Nut principle
  - This design avoids the use of special tools in medium to heavy duty applications for the tightening of bolts. Standard torque wrench available at yards is sufficient.

- **Jaure JCFS-FP: Fire Protection of Composite Shafts.**
  - Composite shaft testing after fire
  - This process supports the requirement in vessels of sufficient time to allow personnel to evacuate in case of fire onboard.

- **Jaure Lamilink coupling.**
  - Lamilink steel link coupling
  - This flexible coupling is made of metallic links. For further information please refer to page 5.
Endless strip production lines in steel mills

High strength and thin gauge steel are increasingly in demand in some industries and new applications. Innovative processes are required today in order to fulfill this demand. Thin hot rolled product can become a cold rolled substitute (down to 0.8 mm).

JAURE® and KOP-FLEX® products were supplied for three endless lines and will be supplied for two additional lines in the future period. JAURE and KOP-FLEX products are successfully installed in the mills with a total capacity that exceeds 7 Mill. Tn. per year.

This can be produced in an endless rolling line and then can be processed in a continuous pickling and galvanizing line if needed. Endless production allows substantial operation savings with wide range of products.

The mill includes caster, high reduction mill, finishing mill, laminar cooling and down coiler with the corresponding automation. Each mill has total length of 180 m.

The scope of supply included main drive motor couplings, gear spindles for reduction mills and finishing mills and high speed shear universal joints.

Another challenge was the short delivery and logistics of this project. JAURE and KOP-FLEX additionally helped their customer during the installation and commissioning of the lines.

In order to tune the mechanical drive system of the mill, JAURE and KOP-FLEX helped the customer with torque monitoring in motor couplings and gear spindles.
Years of experience, reliability and skilled engineering and sales teams are JAURE hallmarks. Close partnership with leading gearbox manufacturers and flexibility have been essential factors in the success of this project consisting of both standard and ETO coupling solutions.

In this particular project, where interchangeability and ease of assembly are essential requests, JAURE supplies several special LAMIDISC disc pack couplings (diameters above 900mm) for motor test benches lines.

The special LAMIDISC couplings include:

- JAURE® JS Nut pretensioning devices: installation time is reduced and it is safer to use for service personnel.
- Measurement devices
- Safety devices

LAMILINK steel link coupling

Due to our commitment with continuous development and innovation, JAURE’s R&D department recently has developed a NEW steel link coupling: LAMILINK Coupling. It complements the current LAMIDISC disc pack coupling offering and is specially suitable for those applications where mounting space is reduced.

Main features:

- High misalignment capacity
- High torque range
- Maintenance free
- Light weight
- Easy to handle
- Coated links available
- Long life if properly aligned
- Lower axial stiffness

In house testing LAMILINK ML-505
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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