

# Jaure News

GENERAL INDUSTRY • WIND • MARINE • METALS & HEAVY DUTY

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# Comprehensive Solutions for Marine Drives

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.

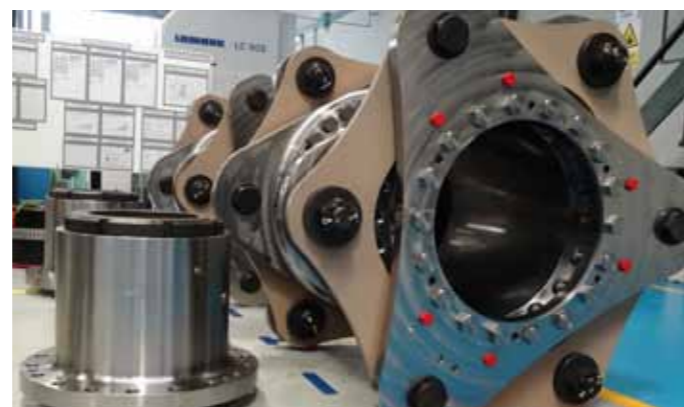
We design and manufacture customized solutions that meet the individual needs of each vessel, including solutions for entire drive trains.

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.

Bellow are some examples of our recent success stories:



Jaure® gear coupling for Taiwan



Jaure Lamidisc® couplings for US Navy



Jaure steel drive shafts for India



Jaure composite drive shaft for OSV, Malaysia



Lamidisc propulsion for frigate, France

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. NEW



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 JCFS-FP: Fire Protection of Composite Shafts. NEW



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.

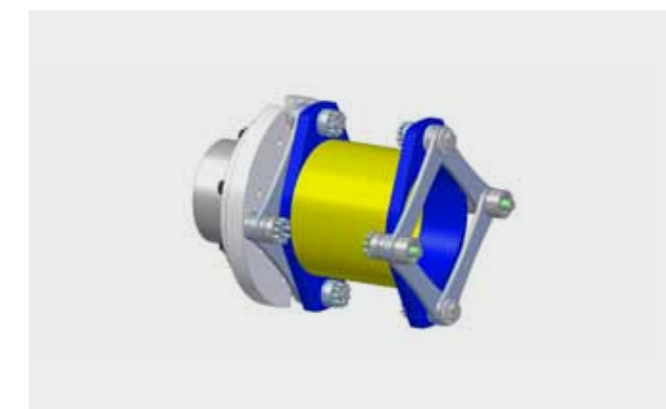
## Jaure JS Nut: Jaure Super Nut. NEW



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 Lamilink coupling. NEW



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).

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.



Finishing mill



Roughing mill drivetrain

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.

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.



Motor safety couplings



Gear spindles ready to be shipped



Gear spindles on site



High speed shear U-joints on site

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.



Coupling Torque monitoring



Spindle Torque monitoring

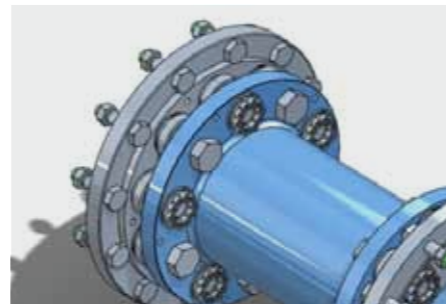
# ETO motors test bench project NEW

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. In addition, only standard tools are needed for installation and removal.
- Measurement devices
- Safety devices

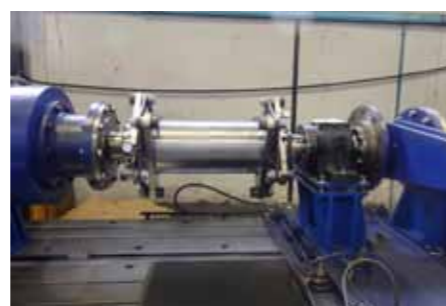
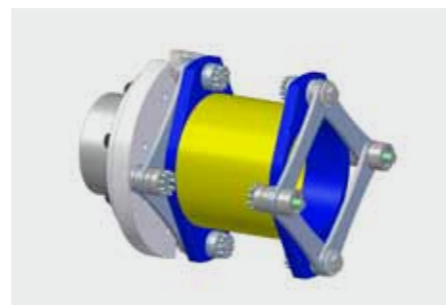


# LAMILINK steel link coupling NEW

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:

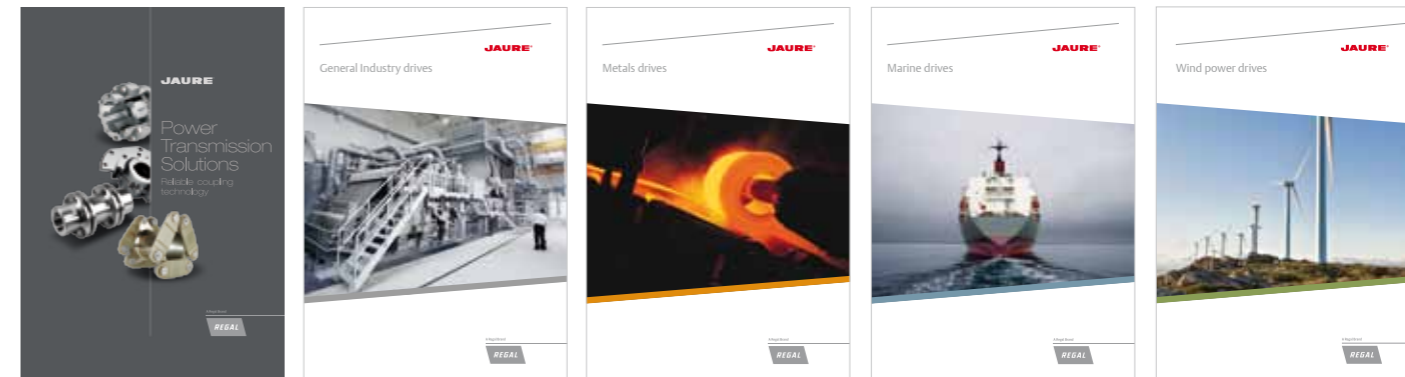
- High misalignment capacity
- High torque range
- Maintenance free
- Light weight
- Easy to handle
- Coated links available
- Long life if properly aligned
- Lower axial stiffness



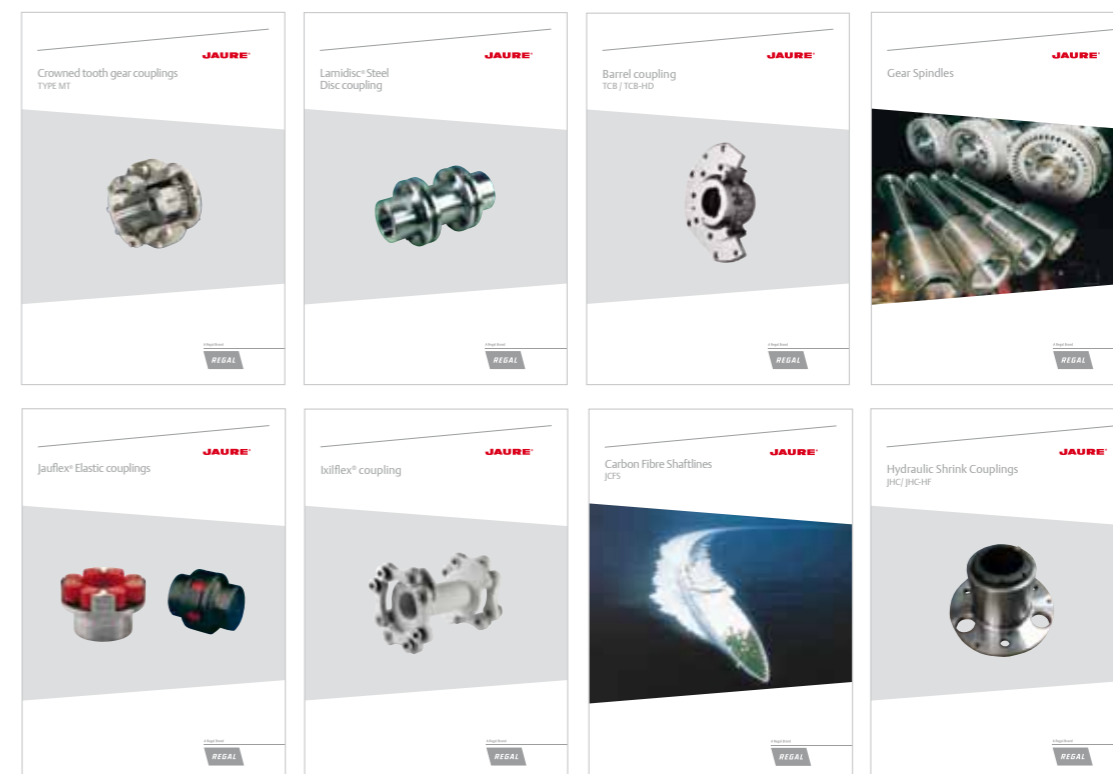
In house testing LAMILINK ML-505

# Jaure literature

## Company & Industry Overview brochures



## Product catalogues



## New Jaure® brand graphic identity at Regal NEW

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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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