

SOLUTIONS FOR POWER TRANSMISSION

# Metals drives

**JAURE®**



**EMERSON™**  
Industrial Automation






## MOVING YOUR BUSINESS FORWARD

For over 50 years Jaure has been on the move as a leading supplier of couplings. We provide tailored solutions that bring innovation to your applications. The integration of Jaure within Emerson has additionally strengthened our worldwide brand presence and service network.







# For all the stages of steel production, Jaure can supply a suitable coupling to drive your equipment.

- MT** Compact gear coupling for most metals applications.
- AL** Gear spindle for rolling mills.
- TCB** Barrel coupling for cranes and hoisting applications.
- MAX-C®** Non lubricated high torque capacity resilient coupling
- LAMIDISC®** Non lubricated torsionally stiff disc pack coupling.

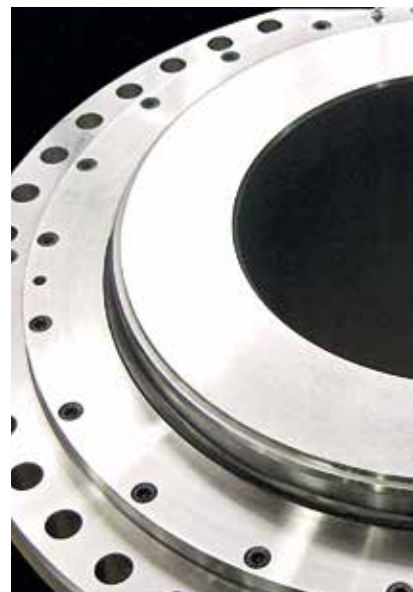
With more than 100 years of combined experience in the metal industry, Jaure/Kop-Flex provides innovative solutions in the steel, aluminium and copper industries.

Our supply program covers gear/elastic couplings and spindles for steel production, hot and cold rolling mills, processing lines, finishing lines for both new plants and modernization of old ones.

Jaure/Kop-Flex couplings incorporate the latest proven technology and know-how provided by a team of highly trained and experienced engineers, ensuring that all of our solutions are tailored to customer requirements.

Close proximity to the market allows us to build long-term partnerships with our customers, thus improving our standards of technology and service.

# Cranes



## **JAURE® BARREL AND GEAR COUPLING**

**TCB** and **TCB-HD** ranges for hoisting and MTFS coupling with brake disc.

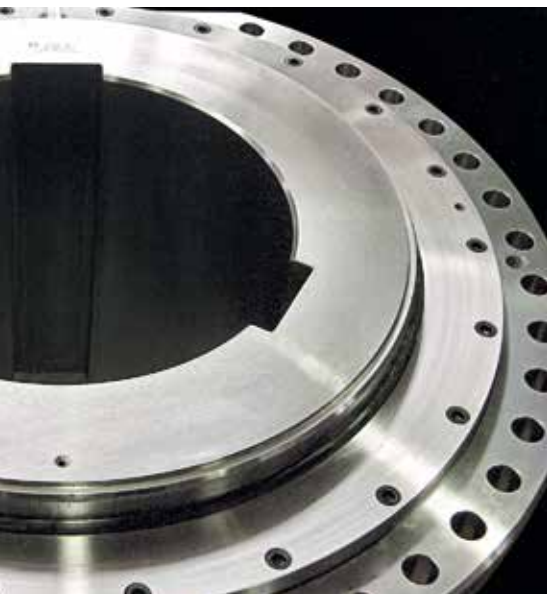
Cranes and hoisting equipment are widely used in all stages of Metals production, from general purpose cranes to the most demanding ladle cranes.

Jaure Gear, barrel, elastic and disc pack couplings have been used in a variety of demanding crane applications for many years.





# Casting



**JAURE® GEAR COUPLING**  
MTG gear coupling design.

Continuous casting has evolved from batch processing into a sophisticated process, where mechanical design plays an important role.  
Engineered to order, Jaure/Kop-Flex designs perform successfully in the most demanding casting applications.



# Hot Rolling Mills

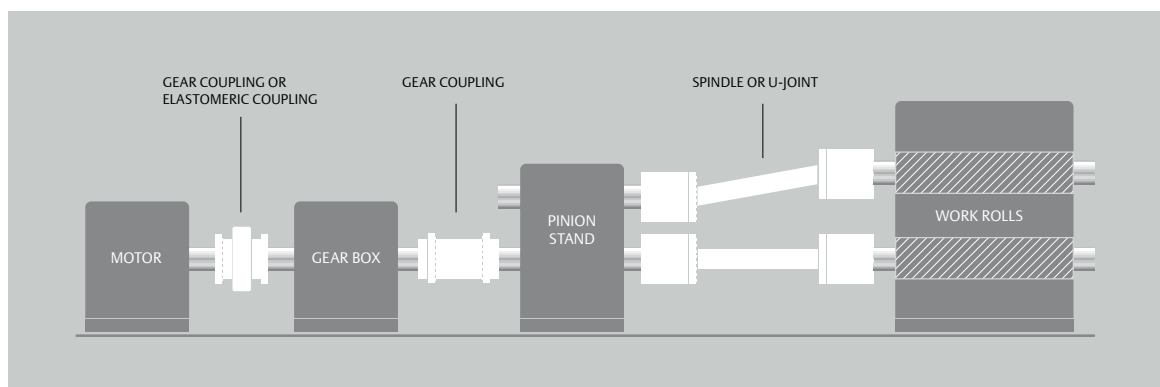


## **JAURE® GEAR COUPLING**

**MTGX** with spacer and **MTBR** shear pin design.

Jaure product portfolio for HRM applications meets high mill requirements for profitability, productivity and product quality.

Custom-made gear coupling and spindle solutions meet the individual needs of all types of hot, steckel, plate mills and long product rolling mills (bar, wire, billet, beams, tubes, etc.) worldwide.







#### GEAR SPINDLE AND ELASTOMER COUPLING

**ALSOIL** continuous oil lubricated spindle  
and **MAX-C®** resilient coupling.

Our commitment to innovation and customer satisfaction fuels our R&D and engineering departments. We continually strive to develop improved material treatments, processes and safety features.



# Cold Rolling Mills



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## GEAR COUPLING AND GEAR SPINDLE

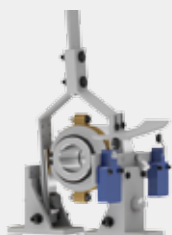
MTBR shear pin design and AL nitrided gear spindle.



Mill flexibility has to match the growing variety of products, while high mill productivity (throughput and yield) is a key issue to remain competitive in the global economy. Mechanical drives are key factors in metal quality and mill throughput.







#### GEAR COUPLING

MTES disengaging design.

Jaure produces high torsional stiffness reliable drives for Cold Rolling Mills.

The product range includes gear, elastic couplings and spindles for cold tandem mills, reversing cold mills and temper mills.

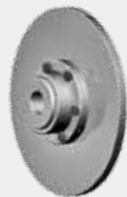




# Processing and Finishing lines



Property of SMS Siemag AG.



## JAURE® GEAR COUPLING

**MT** coupling with or without side covers  
and **MTFS** coupling with brake disc.

The move to higher value-added products in recent years requires steel processing lines to operate at high speed and with high precision.

Jaure supplies couplings and spindles that help meet the demanding requirements for material quality and shape.





**GEAR COUPLING  
AND ELASTOMER COUPLING**  
MTGX coupling with spacer  
and MAX-C® resilient coupling.

Jaure couplings are used in many types of processing lines including pickling, annealing, hot dip galvanizing and colour coating lines.

Finishing lines, such as slitting, cut to length and tension leveling, are common Jaure product applications.



# Service



To reach desired low operating costs and avoid unscheduled shutdowns, proper drive maintenance is key.

Gear spindles and main drive gear couplings can be repaired for much less than the cost of new ones, and proper maintenance extends the life time of the equipment.

Jaure has an experienced and skilled service team ready to share its knowledge both of design and performance of mill drives.

Experts in spindle or gear coupling design, construction and operation can share their expertise for achieving the best results.







We are ready to offer a cost effective gear spindle or gear coupling repair program tailored to your specific needs.

You will also get expert assistance in designing a predictive and preventive maintenance program.

Our support services for commissioning or problem solving and analysis are available worldwide upon request.



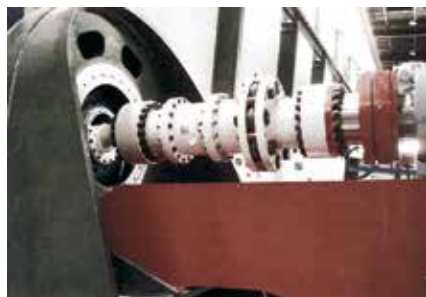
# Jaure<sup>®</sup> manufacturing program



Product Brand Name	MT	LAMIDISC <sup>®</sup>	TCB / TCB-S	AL-S / AL-SD / ALD	RECORD
Type & Description	Gear	Disc pack	Barrel (drum type)	Gear spindles	Grid / spring type
<b>INDUSTRY APPLICATION</b>					
Metals & Heavy duty	•	•	•	•	•
Minerals & Mills	•	•	•		•
Crane & Hoisting	•	•	•		•
Pulp & Paper	•	•			•
Petrochemical / Oil & Gas	•	•			•
Cooling Towers		•			
Machine Tools		•			
Marine	•	•	•		
Wind Turbines		•			•
Test Benches	•	•			
Railway	•	•			



Special safety heavy duty gas nitrided gears



LAMIDISC<sup>®</sup> Safety coupling on test bench including SAFESET<sup>®</sup> (SAFESET<sup>®</sup> from VOITH TURBO)



Type Approvals (Marine & Wind).

## COUPLINGS



**JAUFLEX®**

**IXILFLEX®**

**COMPOLINK®**

**JFTL TORQUE  
LIMITER**

**JCFS**

**JHC**

Elastic

Elastic Link

Composite Link

Torque Limiter

Composite Shafts

Hydraulic fit (shaft  
couplings)

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Carbon Fibre Shaft combined with  
LAMIDISC® coupling.



Torque monitoring on wind turbines.



Double-gear couplings for railway.



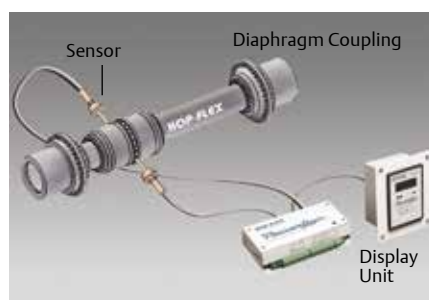
# Kop-Flex® and Jaure® manufacturing program

## COUPLINGS



Product Brand Name	MAX-C®	HIGH PERFORMANCE PROGRAM			KOPFLEX GREASE	SERVICE
Type & Description	Heavy duty elastic coupling	GEAR	DISC	DIAPHRAGM	Gear coupling / spindle grease	Repair & maintenance program

INDUSTRY APPLICATION						
Metals & Heavy duty	•				•	•
Minerals & Mills	•				•	•
Crane & Hoisting	•				•	•
Pulp & Paper					•	•
Petrochemical / Oil & Gas	•	•	•	•	•	•
Cooling Towers					•	•
Machine Tools					•	•
Marine	•	•	•	•	•	•
Wind Turbines	•				•	•
Test Benches	•	•	•	•	•	•
Railway	•	•			•	•



Powerlign® Torque Monitoring.



High Performance Solutions.

# Global presence

## MANUFACTURING FACILITIES & ENGINEERING CENTERS



JAURE® and KOP-FLEX® engineered couplings are designed, manufactured, sold and serviced worldwide, with service provided from specification right through to installation.

All JAURE and KOP-FLEX facilities around the globe are state of the art, with access to a large

and experienced engineering staff focused on providing solutions for our customers' requirements.

A dedicated global sales and service team assists you to find the best choice and manage all your coupling needs.



JAURE®. Zizurkil. Spain.



Pune, India.



Nove Mesto, Slovakia.



Zhangzhou, China.



KOP-FLEX®. Baltimore, USA.



Florence, Kentucky, USA.



Rexdale / Toronto, Canada.



Apocadaca, México.

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**EMERSON™**  
Industrial Automation

*Browning*

**JAURE**

**KOP-FLEX**

**McGILL**

*Morse*

**ROLLWAY**

**SEALMASTER**

**SYSTEM  
PLAST**

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 Emerson Power Transmission Corporation and its divisions with respect to the use of products and components is given in good faith and without charge, and Emerson 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. For a copy of our Standard Terms and Conditions of Sale, Disclaimers of Warranty, Limitation of Liability and Remedy, please contact Emerson Power Transmission Customer Service at 1-800-626-2120. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use an Emerson Power Transmission Corporation product referred to herein, including any person who buys from a licensed distributor of these branded products. Emerson Power Transmission does not warrant the accuracy of the information contained in this document. All interchanges should be compared with actual current specifications and/or manufacturing drawings. For a copy of our standard terms and conditions, contact Emerson Power Transmission at 1-800-626-2120. Emerson, Emerson, Consider It Solved., Emerson Industrial Automation and Rollway are trademarks of Emerson Electric Co. or one of its affiliated companies.

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