



**KOP-FLEX<sup>®</sup>**  
**JAURE<sup>®</sup>**

**Drives for  
the Metal  
Industry**

  
**EMERSON<sup>™</sup>**  
Industrial Automation

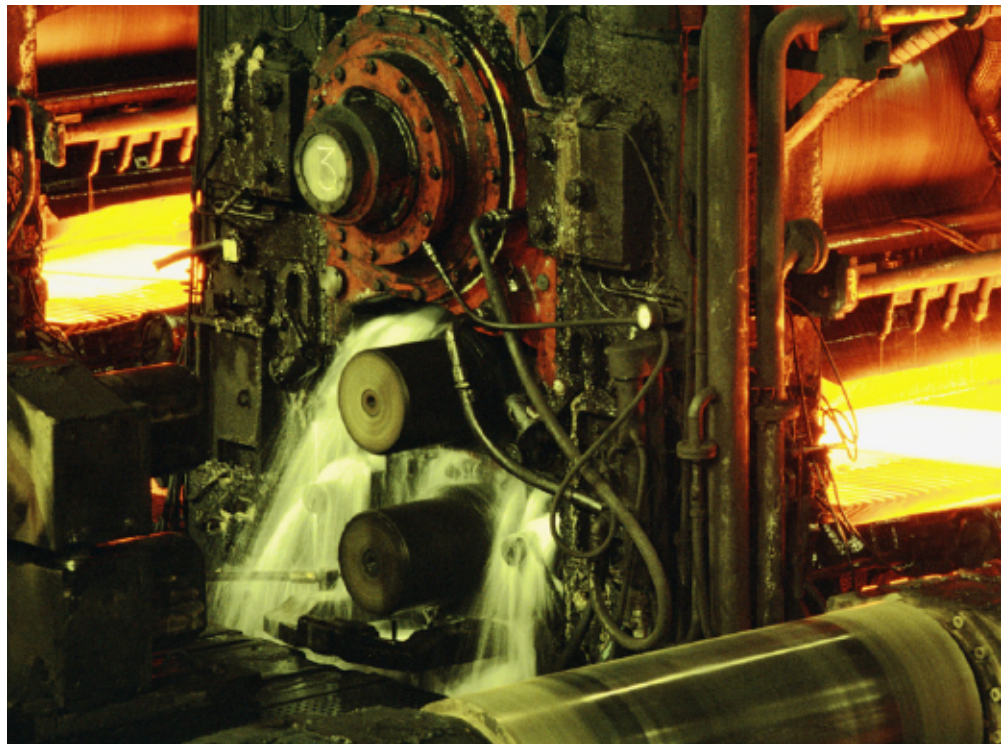
**EMERSON. CONSIDER IT SOLVED.<sup>™</sup>**

## Drives for the Metal Industry

JAURE S.A. has been developing for over 50 years couplings for the most demanding applications in the Steel, Marine, Minerals, Hoists or Windmill Industries.

The company has been integrated with EPT/Kop-Flex, a brand under

Emerson Industrial Automation. This merger will significantly strengthen the Jaure brand presence around the world and add application expertise that benefits both Jaure and Kop-Flex customers.



With more than 100 years of combined experience in the metal industry, Jaure-Kopflex is able to provide 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. That means that our couplings are present at every stage of the metal production.

Jaure-Kopflex couplings incorporate the latest proven technology and know-how provided by a team of highly trained and experienced engi-

neers which ensure that all of our solutions are tailored to customer requirements.

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

Jaure-Kopflex is committed to provide quality products and services to their customers, as well as to follow continuous improvement through the Jaure-Kopflex Quality Management System.

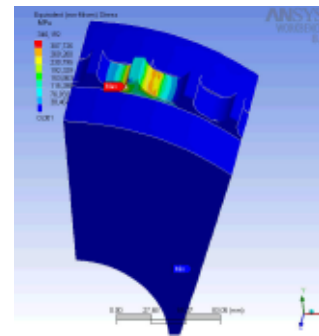
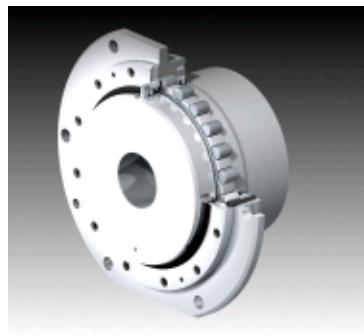
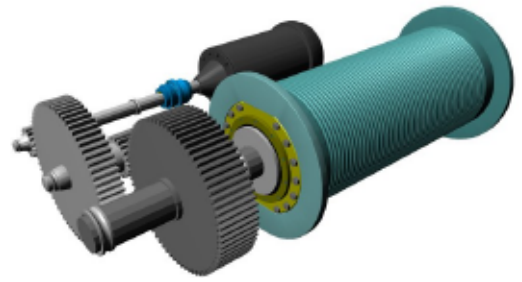
Furthermore, continuous cooperation with our customers help us to drive our new products into tomorrow's customer needs.



## Metallurgical & Rolling mill cranes

Ladle and handling cranes are critical equipment in the production plant. Reliability and safety become a number one priority when handling metals.

Jaure-Kopflex has been providing for many years gear, elastic and barrel couplings for such equipment exceeding customer demands.

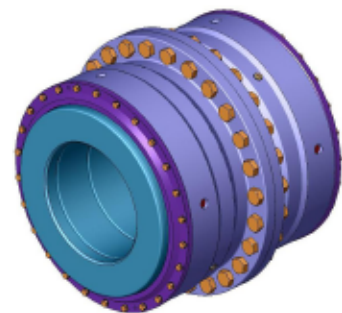


## Casting

Continuous casting has evolved from a batch process into a sophisticated process, where mechanical design plays an important roll.

Before obtaining the end product and its shape (billet, bloom, slab, beam blank, and/or round) prior to rolling, the strand is transferred on the roller tables to a cut off machine, which cuts of the product into the ordered lengths. Jaure-Kopflex has been supplying for many years couplings for heavy duty shears and for reliable roller tables.

In the case that the strip is directly rolled, Jaure-Kopflex can supply couplings for in line main drives, drum coilers, etc.



## Hot & Cold Rolling Mills

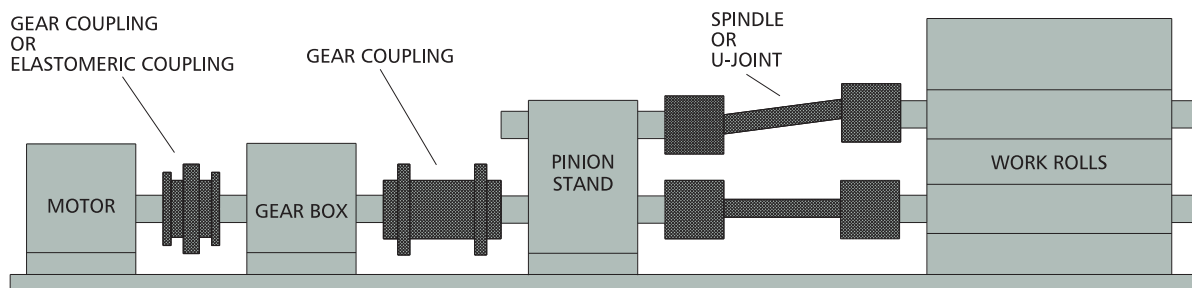
Demands on mill profitability, productivity and product quality are on the rise in hot and cold rolling mills. Thickness and flatness tolerances are decreasing while surface quality must further improve. At the same time, mill flexibility has to match the growing variety of products,

while high mill productivity (throughput and yield) is a key issue to remain competitive in the global economy. Mechanical drives have a great importance in the metal quality and mill throughput.

### Hot Rolling Mills



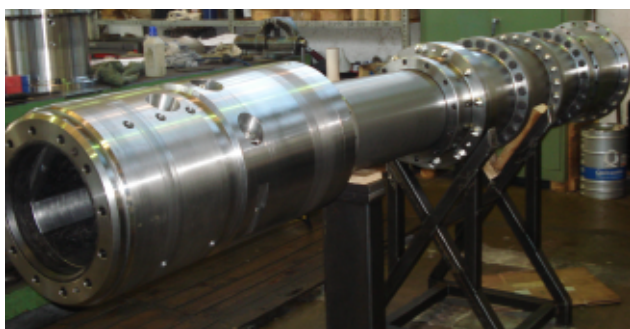




Jaure-Kopflex drives contribute to match the above requirements in Hot & Cold Rolling mills. The supply program includes gear, elastic and spindles for Hot, Steckel, Plate mills, and long product rolling mills (bar, wire, billet, beams, tubes, etc).

Also Jaure-Kopflex 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 rolling mills and temper mills.

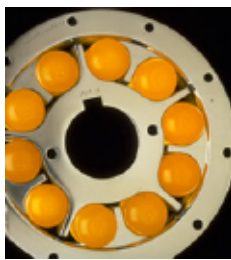
## Cold Rolling Mills



## Processing, Finishing Lines

The move towards higher value-added products in recent years requires steel processing lines operating at high speed and with high precision, creating products that satisfy ever stricter standards for material quality and shape together with low operating costs and minimum down-time.

Jaure-Kopflex supplies couplings and drives for processing lines that include: pickling lines, annealing lines, hot dip galvanizing lines, colour coating lines, etc. Couplings are also supplied for finishing lines as slitting lines, cut-to-length lines, tension levelling lines, etc.

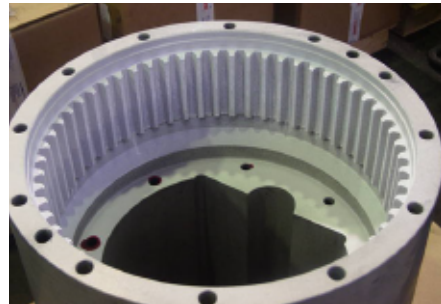
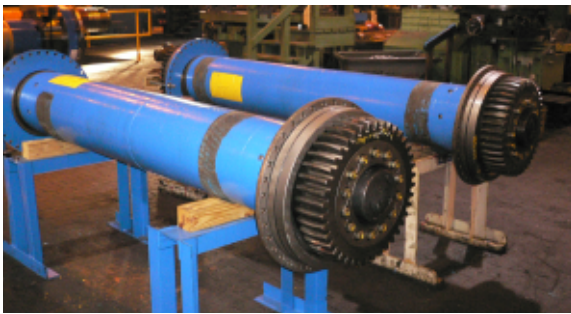




## Service

It is a fact that gear spindles can be repaired for much lower cost than new ones. Nevertheless this task needs to be assigned to a highly engineered company rather than a machine shop. For optimum results, the repair work must be performed by skilled and experienced technicians, experts familiar with every facet of spindle

design, construction and operation. That's why you should contact Jaure-Kopflex about establishing a cost effective gear spindle repair program tailored to your specific needs. You will also get expert assistance in designing a predictive and preventive maintenance program.



# Couplings and transmission elements



MT Crowned tooth gear coupling



LAMIDISC® all steel disc coupling



Barrel coupling TCB® / TCB®-s



High speed disc coupling LAMIDISC® HP



Gear spindles for rolling mills



RECORD flexible spring coupling



JAURE® elastic coupling



IXILFLEX® link type elastic coupling



Composite link coupling COMPOLINK®

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**JAURE®**

**EMERSON™**  
Industrial Automation

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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 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.

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