

# Hot Precision Pipes for Cranes

## Your tailor made solution for demanding crane designs

As a top producer committed in delivering highly-performing products and advanced services, Tenaris developed a specific range of hot precision pipes for boom cranes design.

These pipes take advantage of the **reliable** chemistry of standard hot rolled pipes, while offering a **tighter control** over dimensional tolerances and mechanical properties.

Designers can tailor **Hot Precision Pipes** by optimizing tube sections according to specific project's needs with the following advantages:

- Tailored dimensions to offer customized structure designs
  - Tighter dimensional tolerances
  - Same weldability of hot finished products
  - Better quality surface, better roughness
- Advantages are not limited to product specifications, but the fabrication of the boom can also benefit of:
- Tighter dimensional tolerances allowing an improved level of automation of cutting & 3D beveling
  - Optimized project design to reduce weight
  - Higher and more constant welding productivity thanks to control of the sections



## HOT ROLLED VS HOT PRECISION PIPES AT A GLANCE

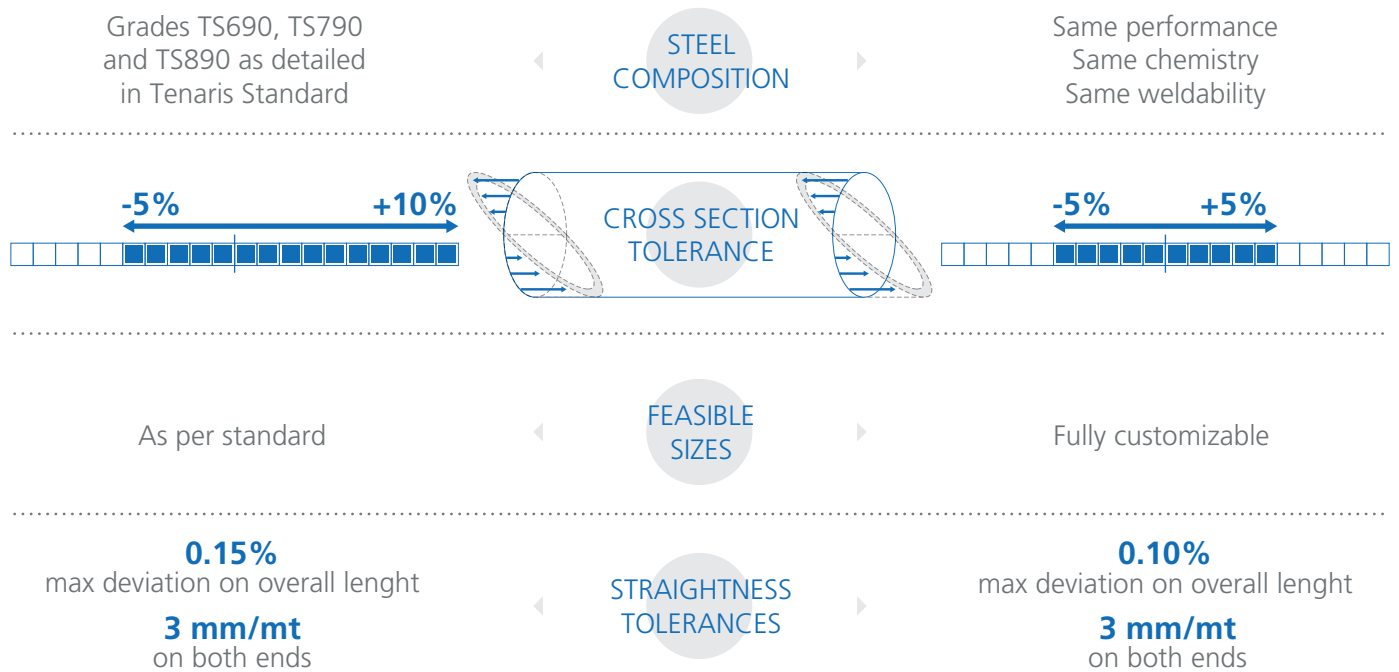
HPP for cranes are fully compliant with EN 10210-1 and SEW 090 as hot finished hollow sections for structural purposes and can immediately be used for the manufacturing of lattice arms of cranes. Reliability and advanced performance have been proved through extensive tests in collaboration with key customers.

### HOT ROLLED

Grades TS690, TS790 and TS890 as detailed in Tenaris Standard

### HOT PRECISION

Same performance  
Same chemistry  
Same weldability



## ADVANCED PERFORMANCE, SUSTAINABLE PROCESS

Tenaris's effort in product development, integrated manufacturing process and state-of-the-art R&D activities, is combined with a constant environmental commitment.

Steel production starts from the scrap, which allows the recycling of more than 80% of Tenaris total metallic charge. Besides, environmental attention is witnessed by the compliance with EPD (Environmental Product Declaration) and LCA (Life Cycle Assessment) for structural products.

