Global solutions for the automotive industry
The combination of high value-added IATF 16949 certified operations, fully-integrated manufacturing processes and its global industrial presence makes Tenaris a strategic supplier for today’s demanding automotive market.

Aiming to streamline its customers’ supply chain management Tenaris has built a network of automotive component centers, located in Argentina, Mexico, Italy, Romania and in China, providing a wide range of high quality products.
A reliable leading partner

Dedicated to maximizing production process efficiency and cost-effectiveness

Tenaris has a long-term experience providing high quality automotive products and services worldwide.

Our fully integrated industrial system offers a full range of hot rolled and cold drawn seamless tubes. The aim is to add value by streamlining the customer’s supply chain, permitting greater focus on core operations.

Additionally our mills in Romania, Argentina and Mexico are leading producers of seamless tubes and have dedicated automotive component centers equipped with state-of-the-art technology to perform value-added operations (such as forming, welding, etc) for automotive components to better serve automotive car manufacturers.

A dedicated organization based in Europe, USA, Mexico, South America and Asia is structured to meet the customer’s needs by manufacturing and supplying on a just-in-time basis, adding more service content and developing innovative products.
POWERTRAIN
SAFETY SYSTEMS

TENARIS HIGHLIGHTS
VERTICAL INTEGRATION OF THE PROCESS
PROVEN AND RELIABLE TECHNOLOGIES
GLOBAL FOOTPRINT, LOCAL SERVICE
Global solutions

Tenaris supplies a wide range of products for different automotive applications, both tubes and vertical integrated components, developed through a consolidated network of research and development and component centers.

Safety systems
AIRBAG INFLATORS

Transmission
RING GEARS

PRODUCTS & OPERATIONS

Tenaris designs and manufactures high quality products for application in Safety, Steering, Chassis and Suspensions, Heavy Truck and Trailer, Transmission and Powertrain components.

Steel making  Hot rolling  Cold drawing  In house heat treatments, such as quenching and tempering
Powertrain
CONSTANT VELOCITY JOINT CAGES

Steering
STEERING ARMS

Suspension
AXLES AND AXLE HOUSINGS

Cut-to-length at specified tolerances
End finishing, including deburring and beveling
Cold and hot forming operations
Outsourced value added cutting and machining operations
Other secondary operations such as hole drilling and punching, all according to customer’s specifications and design
Non-Destructive Tests (customized techniques)
Worldwide logistics and component centers

To address the most demanding requests for efficient logistics, Tenaris has service centers dedicated to exclusively serve the automotive sector in Europe, North and South America, Asia, in some cases close to the customer’s manufacturing plant.

Tenaris manufactures and supplies Automotive products with a guarantee of 100% on-time delivery performance, minimizing customer’s stocking costs.
Tenaris provides just-in-time delivery and component traceability and documentation, in order to supply customers a final product entirely consistent with their requests, regardless of the production site where it has been produced.

Finished products are also provided in special packaging to streamline the customer’s assembly line and to lower assembly costs.
Research and development

By sharing knowledge and resources, we’re able to improve our range of customized products to meet today’s and tomorrow’s needs.

By sharing knowledge and resources across our mills and R&D centers in Italy, USA, Argentina, Mexico and Japan we’re able to improve our range of customized products to meet today’s and tomorrow’s needs.

Research activity is dedicated to improve formability and machinability of materials and to develop engineering properties such as yield, toughness and fatigue resistance in the most severe working conditions.

Tenaris’s R&D centers are equipped with state-of-the-art technologies and can provide:

- Customized steel design
- Hot and cold forming testing
- Advanced computer modeling of processes and products
- Structural integrity
- Full-scale testing
- Advanced non-destructive testing techniques and optical measurement devices
- Welding metallurgy and technology
- Surface engineering
- CAD design and virtual prototyping
- Product and process modeling/simulation
QUALITY STANDARDS AND CERTIFICATIONS

Tenaris holds the IATF 16949 certification for its automotive products manufacturing facilities. The IATF certification applies to:

- Cold drawn facilities in Italy, Romania, Argentina and Mexico
- Hot rolling facility at the Arcore plant in Italy
- Tenaris automotive components centers in Italy, Argentina, Mexico, Romania, China

Planning are integral part of the Tenaris Quality System, becoming tools for planning and managing real-time production processes, with the aim of preventing defects and reducing variance.

The goal of continual improvement of product quality and customer service is an integral part of the Tenaris culture, with the objective of exceeding the high standards demanded by the automotive market. In particular, the methodologies typical of Advanced Product Quality

TECHNICAL ASSISTANCE

Tenaris technicians work side-by-side with customers, providing prompt responses and effective solutions in terms of:

- Material properties
- Component optimization
- Process optimization
- Cost effectiveness
Towards the future of sustainable steel

TENARIS'S COMMITMENT TO THE ENVIRONMENT

- Develop a long-term sustainable business model
- Prevent pollution and use resources more efficiently
- Minimize the environmental impact of our products and services

KEY ACTIONS

- **REDUCED AIR EMISSIONS**
  - Low NOx emission combustion systems and advanced filtration systems

- **RESOURCE SAVINGS**
  - Advanced systems to recycle energy, waste and industrial water

- **ENVIRONMENTAL MANAGEMENT SYSTEMS**
  - ISO 14001 certified environmental management system

- **ENVIRONMENTAL PRODUCT DECLARATIONS**

SYSTEM CERTIFICATIONS

- ISO 9001:2008 Quality Management System
- ISO 14001:2015 Environmental Management System
- OHSAS 18001:2007 Health & Safety Management System
- ISO 50001:2011 Energy Management System

TRANSPARENCY COMES FIRST

Tenaris uses Life Cycle Assessment to evaluate its products environmental impacts throughout the life cycle

STEEL LIFE CYCLE AT A GLANCE

- Steel scrap supply
- Transport
- Mandrel rolling and heat treatment
- Waste treatment
- Transport to end user
Tenaris highlights

MARKET SEGMENTS

Leading global manufacturer and supplier of tubular products and services used in:

- OCTG
- Premium Connections
- Line Pipe for Offshore and Onshore applications
- Hydrocarbon Processing
- Power Generation
- Industrial & Automotive
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