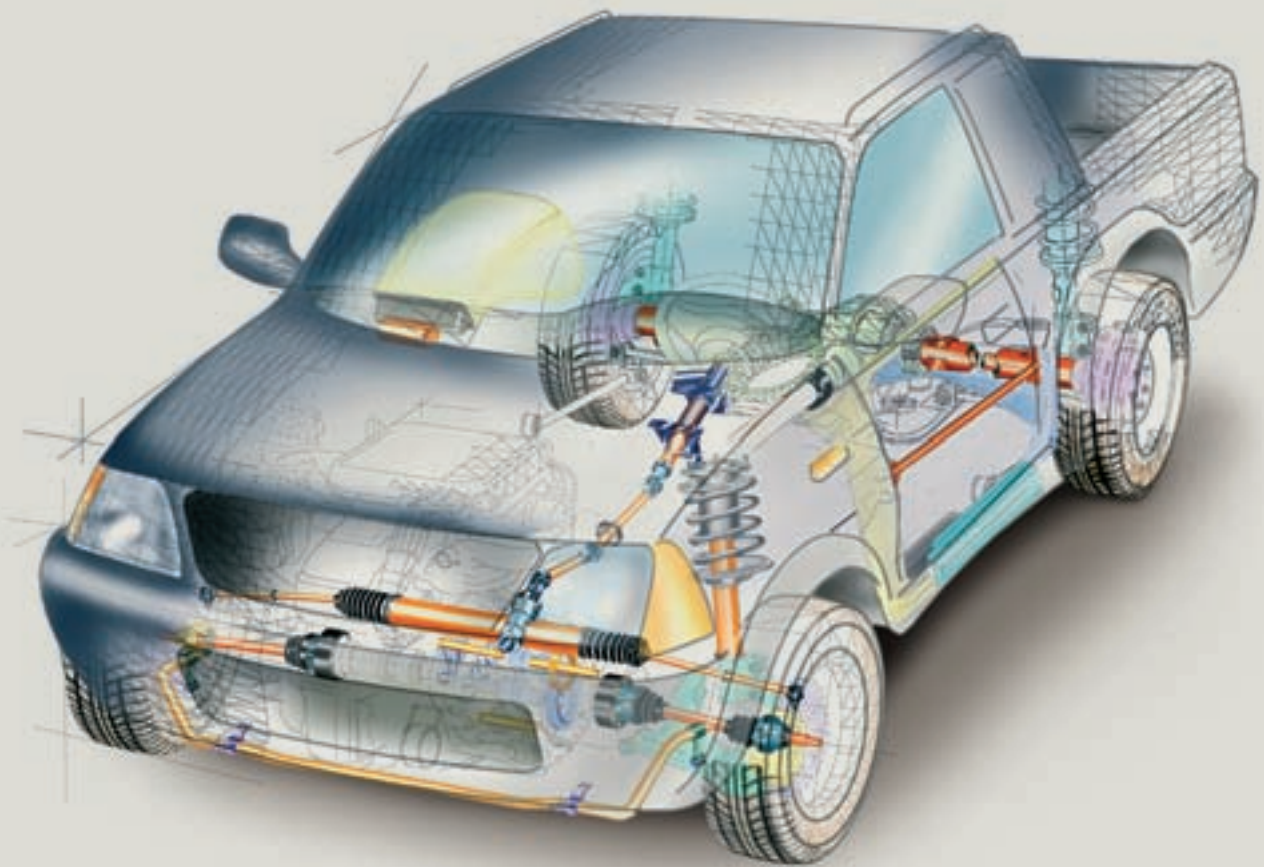


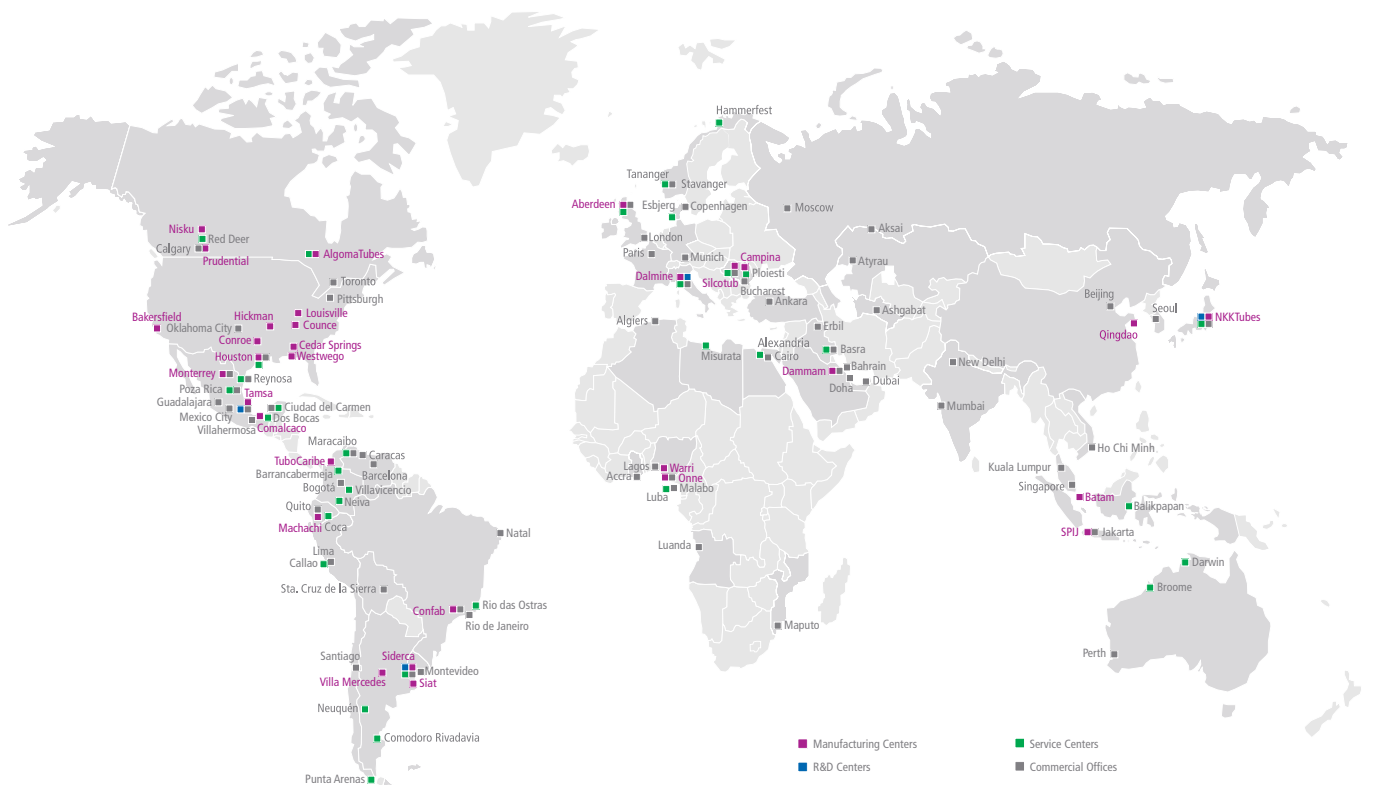
Global solutions for the automotive industry



Tenaris

Tenaris is the leading global manufacturer and supplier of tubular products and services used in the drilling, completion and production of oil and gas and a leading supplier of tubular products and services used in process and power plants and in specialized industrial and automotive applications.

Through our integrated global network of manufacturing, R&D and service facilities, we are working with our customers to meet their needs for the timely supply of high performance products in increasingly complex operating environments. Tenaris has annual revenues of US\$10.8 billion and 26,500 employees worldwide.





Serving the automotive industry

Dedicated to maximizing production process efficiency and cost-effectiveness

Tenaris has a long-term experience providing high quality automotive products and services worldwide. Tenaris's goal is to develop integrated solutions for its customers and to achieve recognition as one of the world's foremost suppliers of seamless tubes and components to the automotive sector. Our fully integrated industrial system offers a full range of hot rolled and cold drawn seamless tubes. In addition, Tenaris's capabilities include welded pipes manufactured according to the stringest

quality standards for various applications, including automotive. The aim is to add value by streamlining the customer's supply chain, permitting greater focus on core operations. Compared to bars, steel tubes allow high precision while reducing total weight and guaranteeing excellent performance with low gas consumption. A dedicated organization based in Europe, Nafta, Mercosur 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. Additionally our mills in Romania, Argentina and Mexico are leading producers of small diameter seamless tubes and have dedicated automotive component centers equipped with state-of-the-art equipments to perform value-added operations (such as forming, welding, etc) for automotive components to better serve automotive car manufacturers.

Products & Operations

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



Tenaris seamless tubular products and services for automotive applications include:

- In house heat treatments, such as quenching and tempering
- Cut-to-length at specified tolerances
- End finishing, including deburring and beveling
- Cold and hot forming operations
- Friction welding
- Other secondary operations such as hole drilling, punching and reaming, all according to customer's specifications and design
- Outsourced value added cutting and machining operations

Global solutions

Steering Columns - Steering Boxes
Tie Rods - Torsion Bars

Airbag Inflator Vessels

Rear Wheel Drive Shaft
Rear Axle Housings

Door
Impact Beams

Structural Chassis

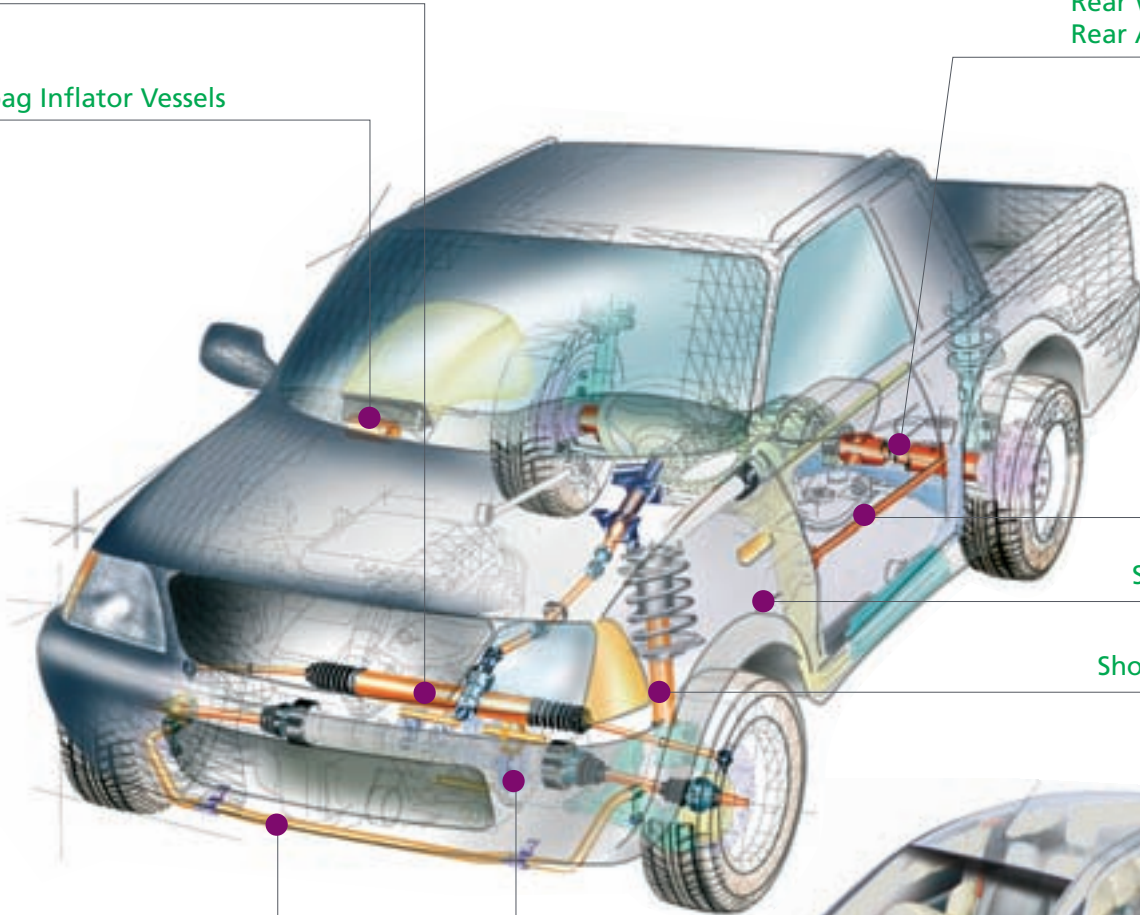
Shock Absorbers

Stabilizer Bars

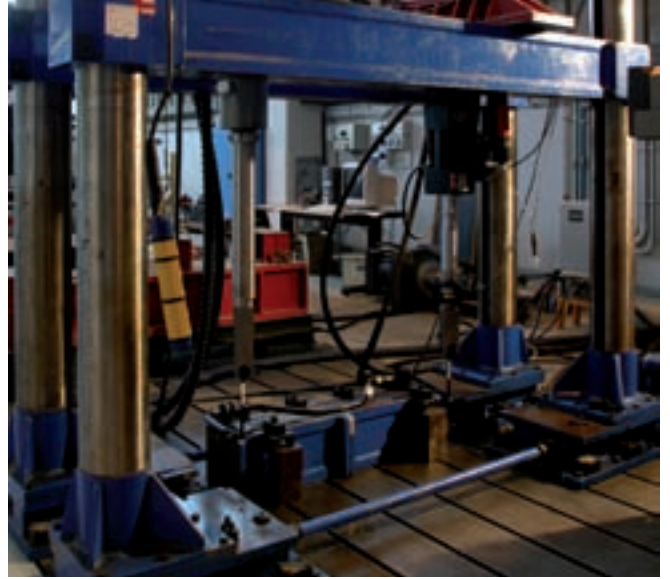
Ring and Planetary Gears
Gear Shaft

Front Wheel Drive Shafts
Constant Velocity Joint Cages

Trailer Axles
Suspension Arms



Research and development



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



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Our global network of R&D centers collaborates with top universities, such as Politecnico of Milan and

Pittsburgh University and research institutions such as CINI in Argentina and CSM in Italy that conduct basic and applied research. This combination of internal and external expertise gives us the means to develop value-added products and improved production processes that directly contribute to our customers'

operations and fuel our growth.

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

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



Quality standards & testing

Tenaris holds the ISO TS16949 certification for its automotive products manufacturing facilities.

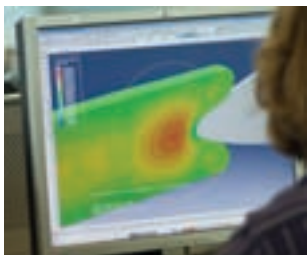
The ISO TS16949 certification applies to:

- 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

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





Worldwide logistics

Flexibility and short time response

- JIT delivery programs
- Stocking and consignment programs
- Delivery straight to dock

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, 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. Finished products are also provided in special packaging to streamline the customer's assembly line and to lower assembly 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.





For additional information, please visit
www.tenaris.com

For technical assistance, please contact
automotivecustomercontact@tenaris.com

