

 **Tenaris** Dalmine

Tenaris

Tenaris S.A. operates through companies strategically located around the world.

Tenaris S.A., formed in Luxembourg, is quoted on the stock markets of New York, Milan, Mexico City and Buenos Aires.

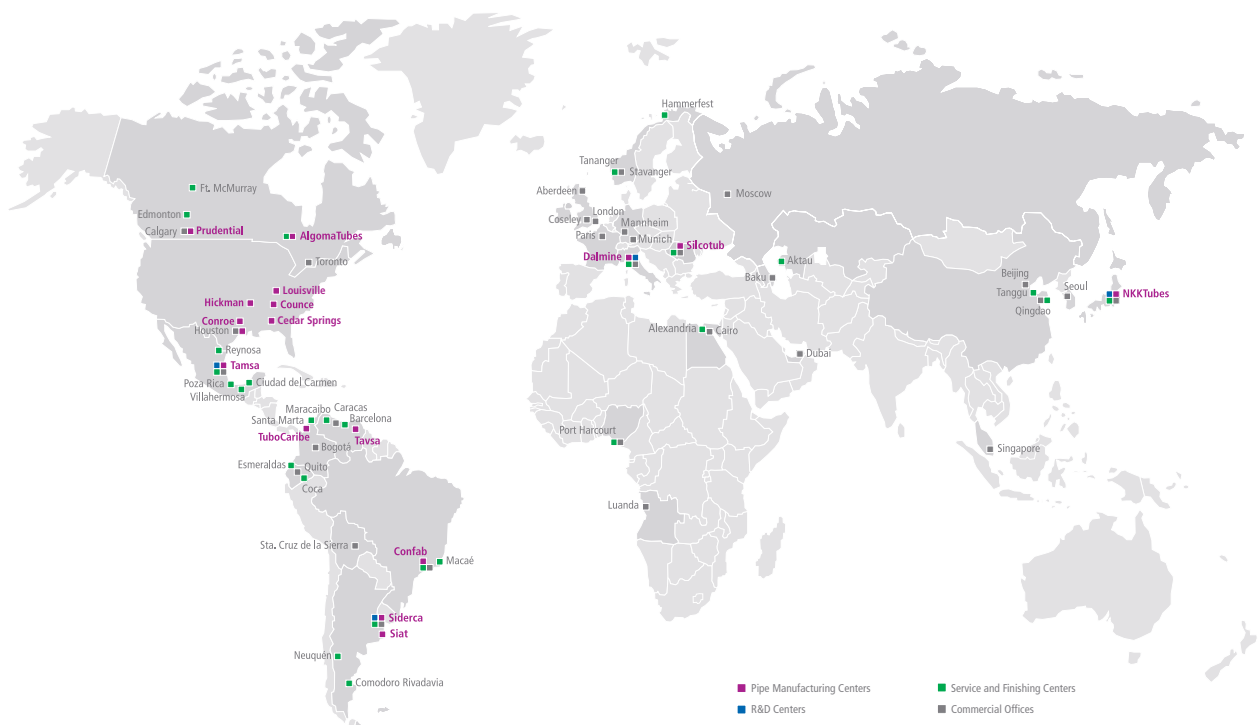
The production units of Tenaris, worldwide leader in the seamless and welded tube sector, are located, in addition to Italy, in Argentina, Brazil, Canada, Colombia, Japan, Mexico, Romania, United States of America and Venezuela.

With more than 21,500 employees*, Tenaris has an annual production capacity of more than 3,000,000 tons of seamless tubes and 2,700,000 tons of welded tubes.

Thanks to its worldwide production and commercial network and to its use of the most sophisticated information technology, Tenaris has developed an organization strongly oriented to the customer, offering a vast range of services and a redesigned purchasing chain, with consequent risk minimization, cost control, increased flexibility and reduction in time to market.

The strong technological and managerial integration existing among the companies within the Group has led to the definition of an exclusive Quality Management System, certified in compliance with ISO 9001:2000, valid for all the products, with API Q1 7° Ed, for oil products, and with ISO/TS 16949 requirements for the Automotive sector products.

* October 2006





TenarisDalmine

TenarisDalmine is the top Italian producer of seamless steel tubes with more than 3,000 employees and an annual production capacity of 950,000 tons of finished products.

Production activity in Italy takes place at five plants: Dalmine, Arcore, Costa Volpino, Piombino and Sabbio Bergamasco, which produce seamless tubes, cold drawn, welded and gas cylinders. Its exports account for almost 60% of total shipments.



- Manufacturing Centers
- Customer Service Centers

MANUFACTURING CENTERS

PLANT	PRODUCTS
DALMINE	Mechanical tubes, structurals, OCTG, line pipe, tubes for high and low temperatures petrochemical applications
COSTA VOLPINO	Cold drawn seamless tubes for hydraulic circuits and cylinders, automotive and heat exchangers
ARCORE	Mechanical tubes and bearings tubes
SABBIO BERGAMASCO	Gas cylinders, high-capacity gas accumulators cylinders
PIOMBINO	Seamless and welded tubes for plumbing systems



Dalmine, a hundred years of history

The Company was founded in Milan on 27th June 1906. In 1909, a year after the first stone was laid, the first tube was rolled at Dalmine. In 1996 Dalmine became part of the Techint Group. In 2002 Tenaris was formed.



The town of Dalmine grew around the factory, bringing about one of the most significant examples of the relationship between a major industry and the local community, so much so that in 1920 the company assumed the name of Stabilimenti di Dalmine.

The company was quoted on the Milan stock exchange in 1924 and in 1937 the holding passed to Finsider (Finanziaria Siderurgica dell'IRI).

Specialized in seamless pipe manufacturing, Dalmine established itself in the second half of the Thirties as one of the leading companies in the steel and iron field.

Despite the serious damage suffered during the bombing of July 1944, in 1946 the company regained its pre-war production levels.

Adopting the new name Dalmine S.p.A., the company began a series of acquisitions.

In 1956 gas cylinder production started at Sabbio Bergamasco; in 1957 the Costa Volpino plant was built for cold drawn tube production; at the end of the Sixties the company took control of the Piombino plant, which produces welded pipes using the Fretz-Moon method.

In 1976 the electric steelworks with continuous casting started production and in 1978 the first tube was rolled in the new retained mandrel rolling mill, which even today represents cutting-edge technology. The takeovers continued in the Nineties with the Arcore plant, for production of tubes for the mechanical industry.

In 1993 production started in the Rotary Expander rolling mill for large diameter tubes and in the second continuous casting line.

On 27th February 1996 Dalmine became part of the Techint Group.

In 2002 Tenaris S.A., which Dalmine is a part of, was formed.



At the forefront of technology

A constant commitment in Research and Development translated into product and process planning to satisfy the most severe specifications and special applications.

This approach comes from the renewed attention to the world of applied research and high professional training. In this perspective can be included:

- Dalmine S.p.A.'s participation in the stock structure of CSM (Centro Sviluppo Materiali, the Materials Development Center) in Rome, which also inaugurated a center in Dalmine in 2002
- Collaboration with leading universities from around the world





Customer services

TenarisDalmine offers its customers personalized treatment thanks to its service centers, logistics platforms located in the principal regions of the country and a network of authorized distributors.

P.O.	S.O.I.	MILL	DESCRIPTION	DELIVERED
585.1.01	516601	SID	SMLS CASIN API 5 CT 7 25.35 .231 H 40 STC S/TT	503.68 Tn
546.1.01	516621	SID	ACCESSORIE API 5 CT S/MONOGRAMA API 37.94 0 L80	2.22 Tn
257.1.01	511131	SID	SMLS CASIN API 5 CT 9 S/ B 60.94 .472 L80 1 NK	3485.76 Tn
			SMLS CASIN API 5 CT 7	1507.41 Tn

Thanks to an approach based on Total Customer Service TenarisDalmine provides:

- Technical (also on the Internet) assistance and product development carried out to the customer's specification and/or developed together with the customer
- Complete logistics services managed through the service centers and logistics platforms
- Supply of complete packages of tubes and accessories for the petrochemical and energy sectors



Line pipe

New services able to provide integrated solutions in addition to the traditional offer of tubular products for onshore and offshore pipeline.

TenarisDalmine produces and provides seamless line pipe tubes in carbon and low alloy carbon steel in a wide dimensional range and steel grades and in particular:

- Personalized products and services packages that include bends, special pieces and coatings
- Integrated solutions to carry and convey natural gas and liquid and gaseous hydrocarbons in the petroleum industry, inclusive of products that answer to the more demanding requirements of projects developed in deepwater and ultradeepwater (flow line, steel catenary riser and top tension riser)





Oil industry

Casing and Tubing pipes with an external diameter from 6 5/8" to 24 1/2".



In addition to products manufactured according to the API standard - trademark licensee - TenarisDalmine supplies special joints from the "TenarisConnection" family which guarantee a perfect seal even under extreme conditions.

The following are among the tailor made solutions which TenarisDalmine has developed for its clients:

- Tubes with high resistance to collapse
- Tubes with high resistance to corrosion for use in acidic environments
- Tubes manufactured according to the customer's specification demands
- Special connections





Chemical, petrochemical and energy industries

A wide range of hot rolled and cold drawn tubes, used in the construction of boilers, heat exchangers, condensers and other apparatus for heat exchange.

TenarisDalmine produces carbon, low alloy and 9% Cr alloy steel tubes for power generation, designed to answer to the more onerous employment specifications.

- Traditional boilers tubes (fired with coal or blended fuel oil)
- Combined cycle boilers tubes (HRSG) with a length that can reach 24 meters for diameters below 90 mm
- Tubes for steam superheaters and re-steam superheaters
- Collector tubes for steam transport, for water, for piping (with diameters to 711 mm)
- Tubes for heat exchanger and capacitors



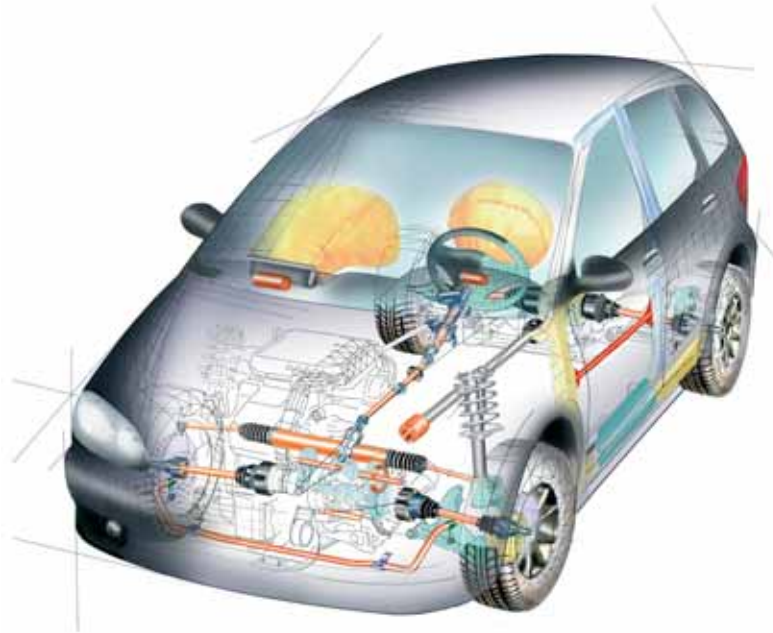


Mechanical applications

A wide range of seamless tubes for the mechanical industry.



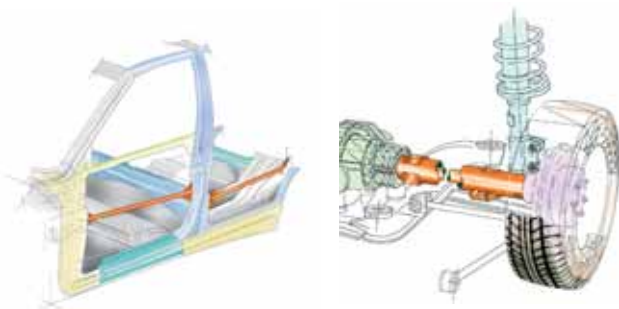
- Highly workable products in easily weldable, fine grain steel, which guarantee defect free surfaces after machine tool working
- Products suitable for manufacturing mechanical parts subject to high stress
- Tubes fit for surface carburizing that offer elevated properties of resistance to scoring
- Drawn tubes for narrow tolerances
- Cold drawn tubes for master cylinders
- Tubes to customer specification for bushes and gears to meet the most sophisticated demands
- Tubes for bearings



Automotive industry

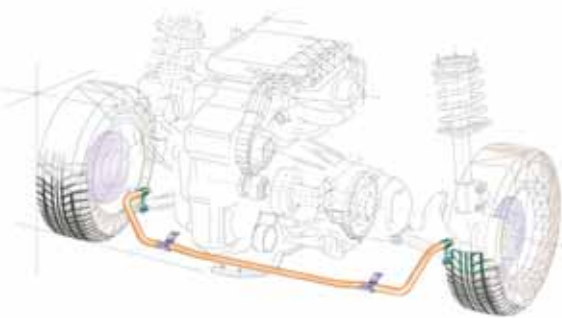
Cold drawn seamless tubes to comply with the specifications requested by the world of transport.

TenarisDalmine works within the quality system field certified in accordance with the ISO/TS16949 standard.



Tubular products used by the automotive industry and its suppliers to produce principally:

- Air bag inflators
- Side-impact beams
- Stabilizer
- Constant velocity joint cages
- Gearbox synchronizers
- Drive shafts
- Steering columns and arms
- Car and truck axles
- Axle arms, bushes, spacers and other applications
- Suspension arms





Structural applications

A vast dimensional range of hollow sections in various steel grades for traditional and specific applications.



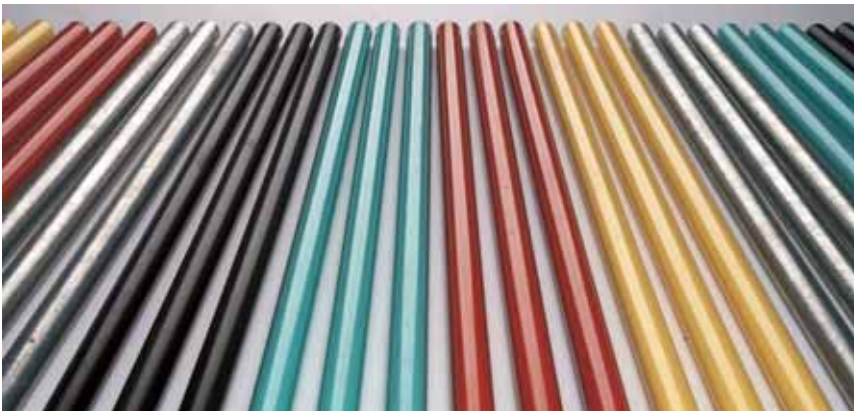
Seamless tubular structural hollow sections are for application in construction and metal structures.

Structural hollow sections are produced according to the EN 10210 standard parts 1 and 2, and when used in construction applications for civil and industrial use conform to national legislation (for Italy the T.U. delle Costruzioni - D.M. of 9th June 1996) and the technical requisites of the European directive CPD 89/106/CEE (21st December 1988) relating to products for construction.

Grade steels are also available with high mechanical applications (HSS).

TenarisDalmine also produces tubes for piling.





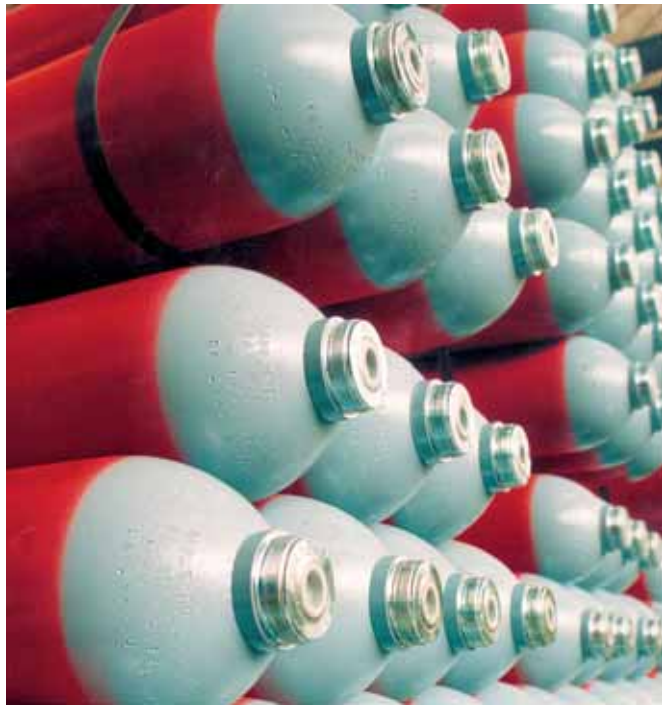
Pipes for gas and plumbing

Steel tubes used for plumbing systems and for gas and water distribution

- Welded
- Seamless
- Galvanized
- Hot coated with epoxy resin

For plumbing work, besides the traditional sleeve-screw joint, TenarisDalmine has set up, with leading companies in the fittings sector, an innovative pressure joint in malleable cast iron.





Gas cylinders

High-pressure gas cylinders and hydraulic accumulators, with working pressures of 350 bar and over.

High capacity gas cylinder systems mounted directly on trailers or housed in mobile container bodies for transporting and accumulating gas.

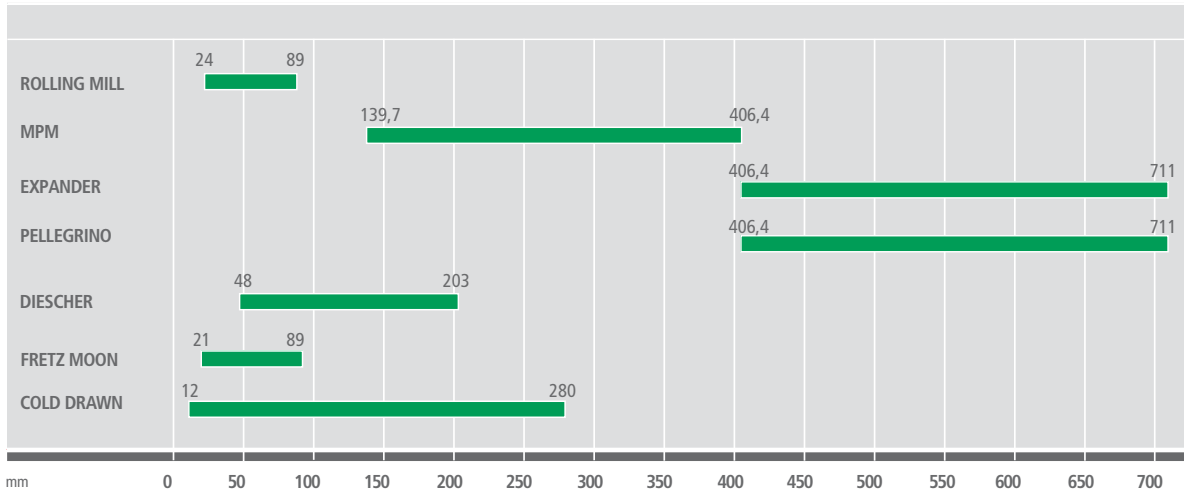
Fixed plant for gas accumulation at high pressure in distribution stations.



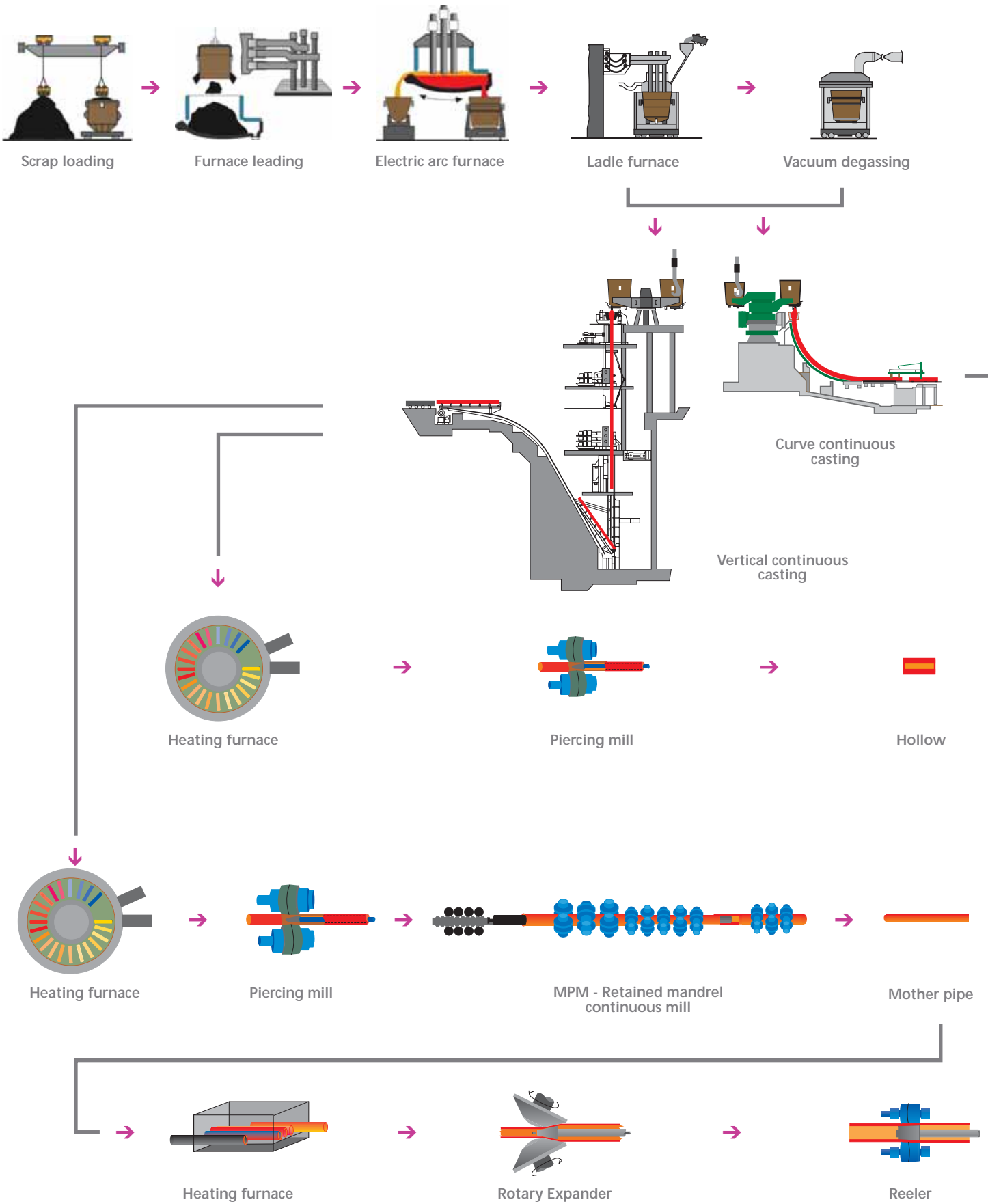
In addition to the wide range of standard products, TenarisDalmine can also produce, in consultation with the customer, specialised products based on specific requirements. A complete series of accessories can be supplied upon request.

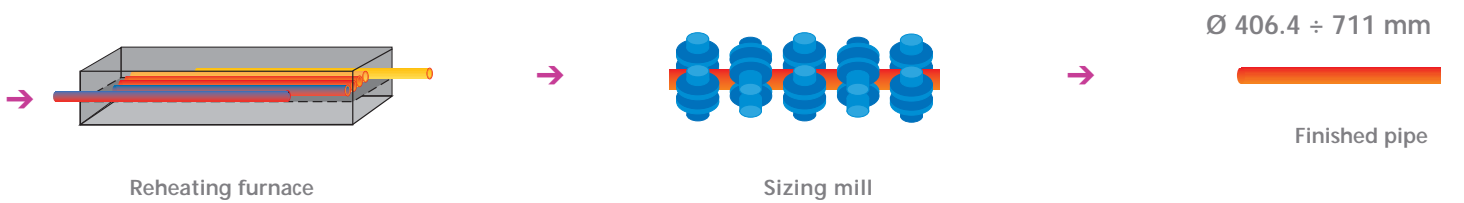
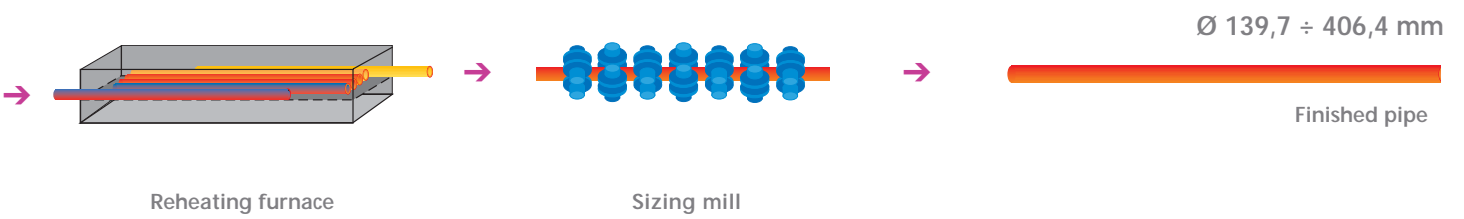
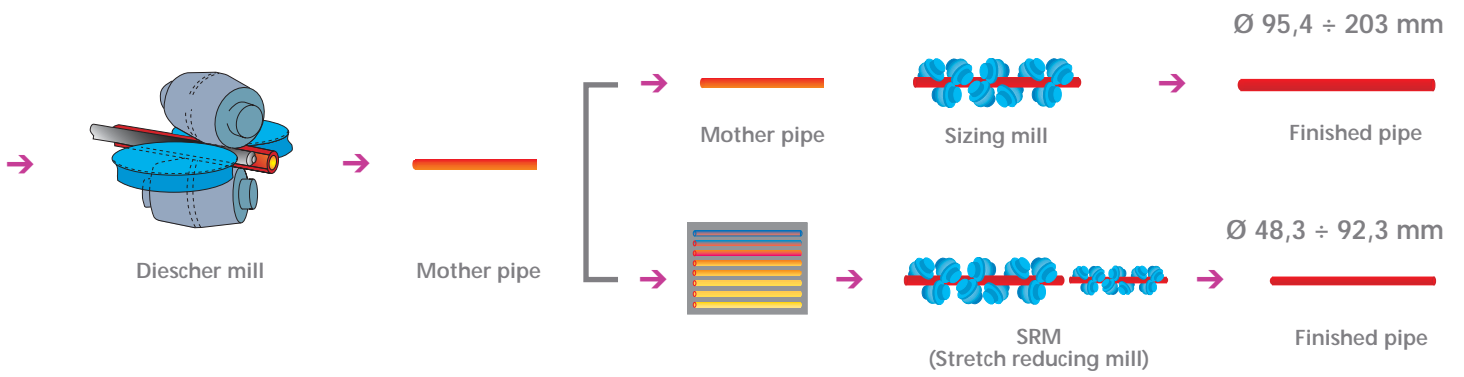
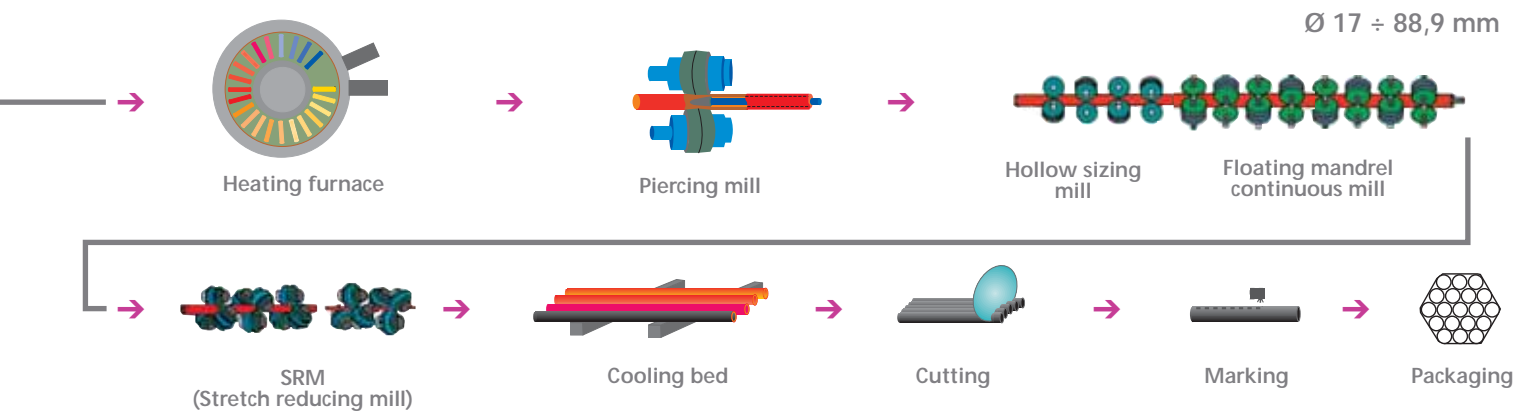
The quality guarantee system, recognized as conforming to ISO 9001, is homologated by the principal technical gas producing and distributing companies for export to all European countries and major parts of the world. TenarisDalmine also holds DOT homologation for export to the USA.

DIMENSIONAL RANGE



Production cycle







Headquarters

**Financial Headquarters
Commercial Headquarters**

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Sales Headquarters

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24062 Costa Volpino (BG)

Via Achille Grandi, 100
20043 Arcore (MI)

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57025 Piombino (LI)

Via Levate, 2
24044 Sabbio Bergamasco (BG)