

AUTOMOTIVE & TRANSPORT

SOUTH AMERICA



PERFORMANCE



PAYLOAD



DURABILITY

INDUSTRY



TUBULAR SOLUTIONS TO DRIVE INNOVATION IN TRANSPORTATION

— EXTENSIVE RANGE
OF SIZES, SHAPES
& SPECIAL GEOMETRIES

— STRONG LOCAL PRESENCE
AND TECHNICAL SUPPORT

— SOLUTIONS IN SEAMLESS
AND WELDED PIPES

BRINGING HIGHER PERFORMANCE AND EFFICIENCIES TO YOUR OPERATIONS

We have been developing tubular solutions for a wide range of industrial applications for more than 100 years. With a proven track record supplying leaders in the automotive and transport industry, we constantly strive to innovate higher performance automotive parts and to partner with our customers to create ever better solutions. Our products are intended for **passenger cars, commercial vehicles, railway vehicles, trailers, and two-wheeled vehicles** and are provided to the market hot rolled, cold drawn, forged, as shaped pipes, steel bars and finished parts.

■ INNOVATIVE & LOCAL

We are committed to a local presence. Our state-of-the-art facility in Belo Horizonte, Guarulhos and Taubaté, Brazil, produces high quality, just-in-time solutions for all your automotive and transport tubular needs, from industrial tubes, cold drawn to forged components and beyond. In addition, the Caxias do Sul branch is an advanced technical assistance and stocking center.

■ COST-CONSCIOUS DESIGN

Our products and processes reduce cost and weight, improve strength, and reduce the number of welds on a variety of automotive parts, leading to greater efficiencies and better performance.



"Vallourec proposed customized parts with precision profiles eliminating production steps and machining processes, and bringing overall cost savings and better performance to the final product."

— MERCEDES BENZ



WE HAVE A STRONG
TRACK RECORD IN SOUTH
AMERICA SUPPLYING
LEADERS in the automotive
and transport industry, our
approach is to offer local
content and to partner
closely with our customers.

60+
YEARS'
EXPERIENCE IN
TRANSPORTATION

50
PRODUCTION
FACILITIES AROUND
THE WORLD

5
R&D CENTERS
AROUND THE WORLD

INTEGRATED
CHARCOAL, IRON
ORE AND STEEL
MILL FACILITIES

PRESENT
IN MORE
THAN 20
COUNTRIES

ENVIRONMENTALLY
SUSTAINABLE
PRODUCTS

LESS WEIGHT AND MORE STRENGTH: A FULL PORTFOLIO TO MEET YOUR NEEDS

■ WIDEST RANGE AVAILABLE

We offer a large portfolio of seamless and welded tubes as well as hollow sections with an extensive range of dimensions, grades and wall thicknesses, as well as profiled parts and special geometries, to cover all needs in the automotive sector.

■ REDUCED WEIGHT WITH INNOVATIVE GRADES

Partnering closely with you, we develop solutions using innovative steel grades with the highest mechanical properties on the market to reduce the weight of components and better adjust your product to the requirements of performance and durability demanded by the market.

■ LESS MACHINING FOR GREATER PRODUCTIVITY

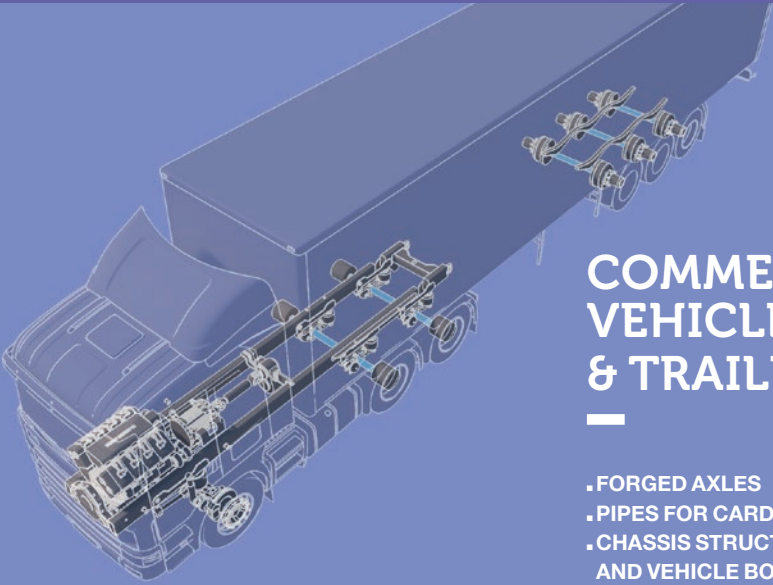
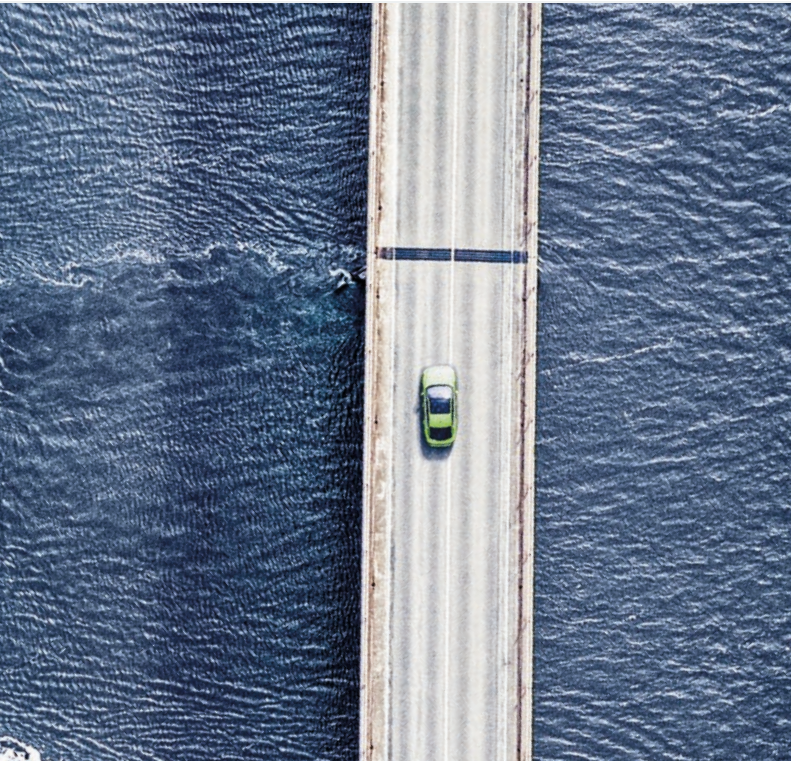
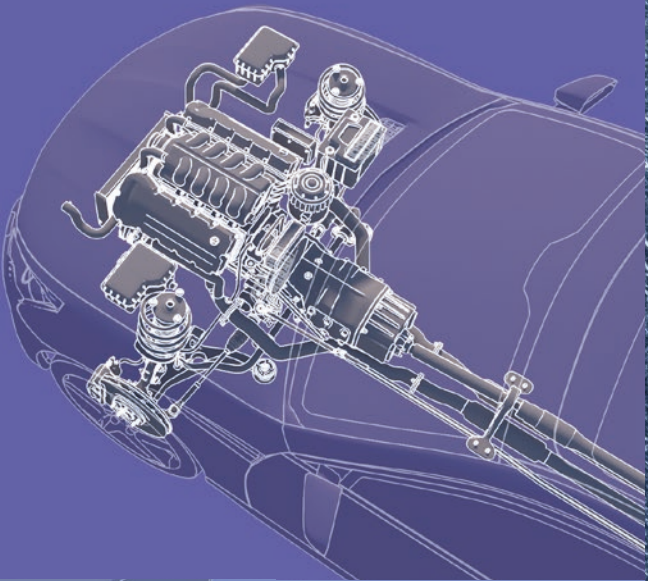
We've developed grades that enable optimized machining, resulting in higher yields and lower material loss, and that eliminate the need to carry out subsequent heat treatment. All our products are qualified and tested in specialized laboratories.

GRADES

CARBON STEELS	
2391-2:1994-09	EN 10305-1:2010-05
St 30 Si	E215
St 30 Al	E235
St 35	E355
St 45	
St 52	
STEELS FOR QUENCHING AND TEMPERING	ALLOY STEELS
C22	1330
C22E	4130
C45E	4130H
28Mn6	4140H
25CrMo4	8617H
STEELS FOR CEMENTING	8620H
16MnCr5	OTHER ALLOY STEEL
19MnCr5	FB70
	STE 460

PASSENGER VEHICLES

- ENGINE & GEARBOX PARTS
- SUSPENSION PARTS
- STEERING PARTS
- AMONG OTHERS

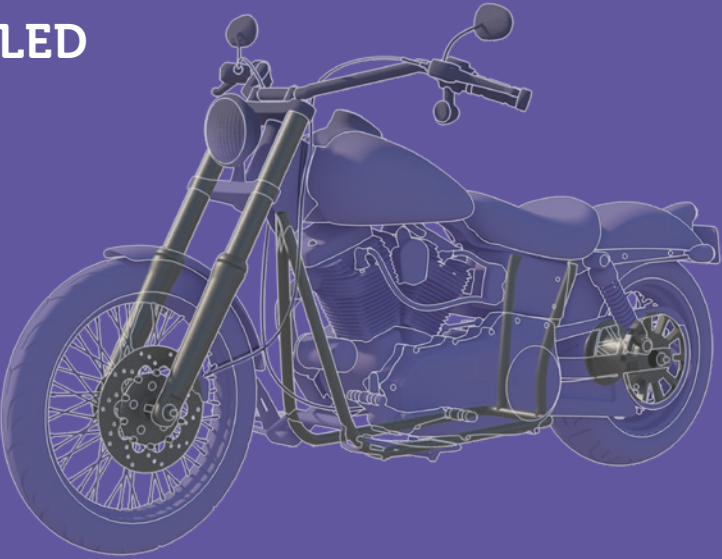






COMMERCIAL VEHICLES & TRAILERS

- FORGED AXLES
- PIPES FOR CARDANS
- CHASSIS STRUCTURES AND VEHICLE BODY
- SUSPENSION COMPONENTS
- AMONG OTHERS

TWO-WHEELED VEHICLES

- SHOCK ABSORBERS
- CHASSIS STRUCTURES
- ENGINE PARTS
- AMONG OTHERS



DIMENSIONAL RANGE							
SEAMLESS RANGE							
Hot-rolled		Cold-formed		Cold drawn		Forged parts	
	Round	Square	Rectangular	Round	Shaped pipes	Axel beams (monoblock)	Semi axle housings
OD	31.8 - 370 mm	50x50 - 300x300 mm	60x40 - 400x200 mm	4.75 - 255 mm	4.75 - 255 mm	101 - 138 mm	30 - 240 mm
WT	2.6 - 38 mm	3.60 - 16 mm	3.60 - 16 mm	0.5 - 26 mm	0.5 - 26 mm	14.5 - 27.6 mm	With internal mandrel: 10 - 27.6 mm
Lenght	-	-	-	-	-	1.900 - 2.600 mm With various spindle dimensions	Without internal mandrel: 5 - 27.6 mm
Nominal capacity	-	-	-	-	-	11 to 16 t	-
WELDED PRODUCT RANGE							
Direct forming						Cold drawn	
	Round	Square	Rectangular			Round	
OD	25.4 - 114.3 mm	30x30 - 80x80 mm	30x20 - 100x60 mm			4.75 - 105 mm	
WT	1.5 - 6.35 mm	1.5 - 6.35 mm	1.5 - 6.35 mm			0.5 - 6.35 mm	
STEEL BARS RANGE							
Hot-rolled and cold drawn							
			Round		Cold drawn bars-development		
Ingot bars			180, 220, 270, 310 & 406 mm		-		
Rolled bars			12.70 - 230 mm		12.70 - 101.6 mm		



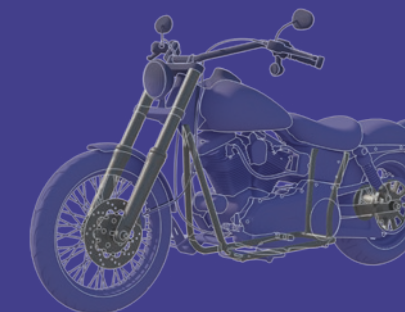
PARTNERING WITH YOU TO CREATE SUCCESS

We have established a strong local customer-oriented network in South America based on our extensive knowledge of the local market, of its challenges and requirements. Our teams work in close contact and collaboration with you to develop new services and products that bring cost efficiencies.



VALLOUREC TEAM LOCAL PRESENCE AND INDIVIDUALIZED SUPPORT

As an international group with a strong local presence in South America, we work side by side with our customers to provide individualized support & services and competitive made-to-measure solutions, bringing your projects to life.



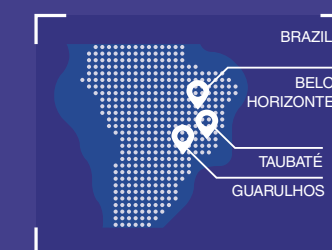
THE SHAPE OF SUCCESS: COLD-DRAWN AND SHAPED COMPONENTS

For the automotive sector, our expertise in cold-formed tubes provides excellent dimensional precision with tight tolerances and superior mechanical properties, expanding the range of dimensions and geometries to meet requirements.

Our cold drawn and shaped components reduce processing and machining time and

increase productivity.

The final weight is also reduced due to the use of fewer components with higher mechanical strength, with the possibility of using superior grades to ensure specific properties of each application, leading to greater vehicle safety.



LOCATION	FACILITY
Guarulhos	Finishing of cold-drawn and shaped seamless and welded tubes
Belo Horizonte	Manufacture of hot rolled, cold-drawn, shaped and forged seamless tubes
Taubaté	Manufacture of hot-rolled and shaped welded tubes

SERVICES



TECHNICAL SUPPORT:
From the design phase, our experts provide support and can help you select the right specifications for your product needs.



TAILOR-MADE SOLUTIONS:
We offer tailor-made services including ; non-destructive testing (US and EMI) ; cutting to short lengths ; outside shot-blasting, bending, boring, coating ; pre-machining of ends ; supply chain solutions, etc.



QUALIFICATION:
Vallourec will also support your project during the qualification process



TUBULAR SOLUTIONS IN COMMITMENT TO ESG

For 70 years, Vallourec has been providing innovative, safe, competitive and intelligent solutions, while still maintaining a constant commitment to the environment. We offer "green pipes" to the market, produced with charcoal from our planted forests, enabling the reduction of CO₂ emissions and the use of 100% renewable energy.

YOUR INDUSTRIAL
PARTNER, SETTING THE
PACE FOR INNOVATION
AND PERFORMANCE
EVOLUTION

6 INTERNATIONAL
R&D CENTERS

50 PRODUCTION
SITES

WORLDWIDE
SALES AND
SERVICES



Agricultural
Machinery



Civil Construction



Automotive



Cranes/ Lifting
Equipment



Offshore
Construction

NEED MORE INFORMATION?

Information is available online on
solutions.vallourec.com or by
scanning the following QR code.



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