

Product Range

An overview of our range

	Dimensions	Materials
Seamless Pipes *	Outside diameter 4,0 - 610 mm Wall thickness 0,5 - 100 mm	Steel EN P235GH, P265GH, 16Mo3, 10CrMo9-10, 13CrMo4-5, 14MoV6-3, X10CrMoVNb9-1, X10CrWMoVNB9-2, X20CrMoV12-1 ASTM / ASME Grade(s) B, P1 / F1, P5 / F5, P9 / F9, P11 / F11, P22 / F22, P91 / F91, P92 / F92 Stainless Steel EN 1.4301, 1.4306, 1.4307, 1.4401, 1.4404, 1.4462, 1.4501, 1.4529, 1.4539, 1.4541, 1.4550, 1.4571, 1.4641 ASTM / ASME 304 (H/L), 316 (H/L/TI), 321, 347 (H), 904 (L)
Welded Pipes *	Outside diameter 6,0 - 2.500 mm Wall thickness 0,5 - 120 mm	
Seamless Fittings Pipe Bend, T-Pieces Reducers, Caps, Dished Boiler Ends *	Outside diameter 6,0 - 610 mm Wall thickness 0,5 - 40 mm	
Welded Fittings Pipe Bend, T-Pieces Reducers *	Outside diameter 6,0 - 2.500 mm Wall thickness 0,5 - 100 mm	
Flange *	DN 10 - DN 2.000 PN 6 - PN 320	
Pipe Accessories Fittings, Screws and Bolts, Seals, Measurement Technology Pipe Supports: accessories and storage. *		

* Further dimensions and qualities on request

Forged Pieces Pipes, Bends, Fittings, Flange, Shafts, Rings, Shells Other fittings as per drawing	Forging Weight up to a maximum of 100,000 kg / up to 7,000 mm diameter / up to 4,000 mm / height up to maximum 23,000 mm length Materials according to EN and ASTM / ASME
Bends in carbon, alloy and stainless steel Cold formed and induction bends	Bend radius: Dimensions according to EN and ASTM / ASME Cold formed bend: from 1,0D Induction bend: from 1,5 D
Plates in carbon, alloy and stainless steel	Thickness CS & Alloy - Steel: 0,5 - 300mm Stainless steel: 0,5 - 150mm Steel S235JR, S355J2, P265GH, 16Mo3, 13CrMo4-5, 10CrMo9-10 * Stainless Steel 1.4307, 1.4404, 1.4462, 1.4529, 1.4539, 1.4541, 1.457 All materials also available according to ASTM / ASME
Rolled & Forged Steel Bars: round, square, hexagon, Angles profiles and sections. Supports	Grades: Carbon, alloy & stainless steel Standards: EN and ASTM / ASME
Pre-fabricated components in Carbon, alloy and stainless steel for the Construction Industries	Pipeline components, steel construction Profiled & drawn components
Clad pipes Rolled and explosive clad plates	In bespoke material combinations.

Product Range

Product Overview

Where temperature, pressure, strength and resistance to corrosion are some of the key factors in material selection, we provide end-to-end steel solutions from inventory, new mill production and custom fabrication. Our capabilities are extensive with the ability to provide bespoke products from a global supply chain.

Material Supply

- Thin wall and heavy wall welded & seamless pipes.
- Clad pipes and clad plated pipes.
- Seamless T-pieces
- Reducers
- Bends
- Panels for elements, superheaters and other applications
- Flanges
- Fittings
- Swivel, anchor, hanger, misalignment & hot tap flanges
- Hollow forged pipes
- Deep-bored pipes
- Pipe spools
- Manifolds
- Forgings
- Buttweld fittings
- Lap joint stub-ends
- Vessel flanges

Material Supply (continued)

- Contoured nozzles
- Long WN flanges
- Tubesheets
- AWWA flanges
- Piggable WYE & lateral tees
- Piggable fittings
- Sphere & flow tees
- Barred & target tees
- Buckle arrestor & J-Laycollar
- Power plant fittings
- Screwed & socket-weld fittings
- Branch outlet fittings
- Ring-joint gaskets
- Bolts & nuts
- Special fasteners & stud bolts
- Monolithic insulating joints
- Weld-overlaying of flanges, nozzles & fittings
- Packing & gaskets

Our specifications include a large range of steel grades including but not limited to:

- Carbon & low temperature steels
- High yield steels
- Low alloy & stainless steels
- Duplex & super duplex
- Nickel alloys
- Titanium

All to BS, EN, DIN, TÜV, PED and other internationally recognised standards.

Weld Elimination

Forging & Machining

Working with our trusted and longstanding network of supply chain partners, RTR can deliver complex forged and machined components.

- Technical expertise and consultancy;
- Working with client bespoke technical specifications, drawings and chemistries;
- Able to produce bespoke steel melts and ingots for specific applications such as nuclear, defense, power generation, oil & gas, subsea, petrochemical & other sectors;
- Complex machining from mono-block to remove welds, increase plant life expectancy, reduce ongoing maintenance & improve efficiency;
- Expediting and project/production schedules according to the needs of the client;
- Can facilitate 3rd party releases if required



Life Extension

Corrosion Prevention & Protection

Improved mechanical integrity

RTR can support with the supply of specialist life extension solutions for high pressure components to our clients.

Our independent status combined with a trusted supply chain, forged over more than 5 decades, guarantees quality European products at attractive commercial levels.

These products can vastly improve life expectancy and mechanical integrity, in many cases by tens of thousands of hours, to plant assets. Reducing downtime, unplanned maintenance, inspection costs and ultimately giving peace of mind.

These Include:

- **Inconel® 625 weld overlay to straight lengths**
- **Overlaid pipes manipulated to form bends or complete coils/snakes for superheaters**
- **Inconel® 625 coating to waterwall/membrane panels**
- **Alloy 625 corrosion/erosion shields – both for straight tube/pipe and on outer/heat facing/waste stream facing bends, together with associated clips.**
- **Full test/fabrication and part/final release document packages for QA and traceability**



625 Overlay Header using Panel Unifuse Field Equipment

Feedstock with Inconel overlay - awaiting final polishing

