



Through our closely linked network of warehouses and sales offices, we always have a site near you. We can assure you our team will provide technical support and advice to meet your needs, and arrange reliable and prompt deliveries.

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# Working Together for Your Success



YOUR SPECIALIST FOR FLAT PRODUCTS



## RELIABLE, FLEXIBLE, CUSTOMER-ORIENTED

Blume Stahlservice – for more than 50 years our name has symbolised service. We are specialists in hot-rolled flat steel products and are able to offer our customers the benefits of a large stock range and a high level of technical expertise. Through direct personal contact we have built up longstanding relationships with our customers. We work daily to demonstrate quality, delivery reliability and flexibility. These elements have made us one of the leading steel distribution and service companies in Germany.

### Steel is our Business

Through our closely linked network of warehouses and sales offices, we are able to ensure supplies all over the country and beyond. Our headquarters are in Mülheim an der Ruhr and we have offices in Hamburg, Hannover, Saarbrücken, Siegen, Stuttgart, Zwickau and Gliwice in Poland, so we always have a site close to our customers. We supply hot-rolled flat steel products ex stock, but in particular, Blume offers a broad range of heavy plate and

hot-rolled strip products for a wide variety of end user applications. These range from standard structural steel and abrasion resistant plates to shipbuilding and boiler plates, as well as high tensile fine grained structural steel grades.

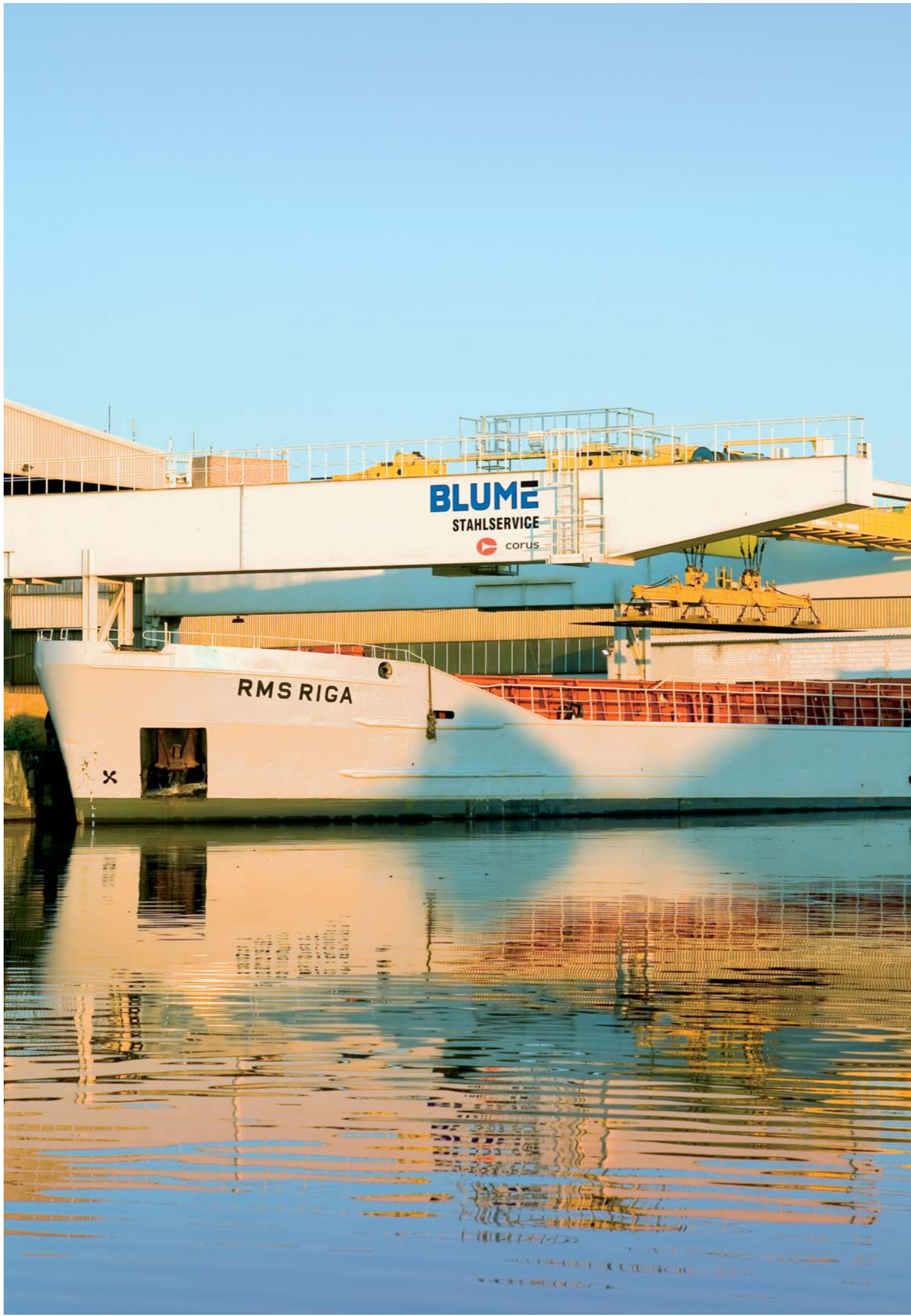
In our stock we hold a large variety of steel grades meaning we are ideally placed to meet all our customers needs. As a subsidiary of Corus, one of the largest European steel manufacturers, we are able to call upon the full resources of a global player. Our customers have therefore the certainty that we will reliably fulfil their requirements on a long-term basis.

### Service Excellence

Our service is about more than product supply. The most important aspect of our service is the ability of teams to work with our customers to develop solutions for their needs. Our customer account teams use their extensive knowledge to advise and support customers

in the choice of the best material for their applications. They also keep customers informed about the latest innovations and developments, so they can be assured of receiving the appropriate products for their needs. In addition, we can offer further processing of steel products. We have a large range of machinery and continuously invest so our processing equipment is the most modern available and we can offer the latest processing techniques. This demonstrates another aspect to our expertise in the flat products sectors.

Service, customer orientation, innovation – our activities are always focused on our customers' success. This is the basis on which our long-term partnerships with our customers have been established and are maintained. Germanischer Lloyd have certified the quality standards in all areas of our business, making Blume Stahlservice one of the first German steel trading companies to achieve ISO 9001:2000.





## WIDEST CHOICE FOR BEST RESULTS

Our hot-rolled steel grades with different strength and ductility grades are suitable for a wide range of applications. Varying combinations of strength and ductility allow the product engineer to design the optimum end product. Here are our products at a glance:

### Hot-rolled Strip\*

	Steel Grade	Thickness	Width	Length
<b>General structural steel according to EN 10025 – 2</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10051, untreated, pickled and oiled, pickled and dry, suitable for laser processing	<b>S235JR +AR/+N</b>	3–20	1,000 – 2,000	max. 12,000
	<b>S355J2 +N</b>	3–20	1,000 – 2,000	max. 12,000
Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
<b>Hot-rolled sheet in special laser quality on the basis of EN 10025 – 2 to EN 10149 – 2</b>	<b>Ympress® E250C</b>	1.5–20	1,000 – 2,000	max. 12,000
	<b>Ympress® S355MC</b>	1.5–20	1,000 – 2,000	max. 12,000
	<b>Ympress® S420MC</b>	1.6–20	1,000 – 2,000	max. 12,000
<b>on the basis of EN 10025 – 2 to EN 10149 – 2</b>	<b>LASER-ALFORM® 240N</b>	3–15	1,000 – 1,500	max. 3,000
	<b>LASER-ALFORM® 355M</b>	3–15	1,000 – 1,500	max. 3,000
	<b>LASER-ALFORM® 420M</b>	3–15	1,000 – 1,500	max. 3,000
<b>Micro-alloyed, high-tensile cold-forming steel</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10051, suitable for laser processing to EN 10149 – 2	<b>Ympress® S355MC</b>	1.5–20	1,000 – 2,000	max. 12,000
	<b>Ympress® S420MC</b>	1.6–20	1,000 – 2,000	max. 12,000
	<b>Ympress® S460MC</b>	1.6–20	1,000 – 2,000	max. 12,000
	<b>Ympress® S500MC</b>	1.8–15	1,000 – 2,000	max. 12,000
	<b>Ympress® S550MC</b>	1.8–10	1,000 – 2,000	max. 12,000
	<b>Ympress® S700MC</b>	4–8	1,000 – 1,500	max. 12,000
	Also available in non-standard lengths. Lengths over 12,000 mm upon request.			
<b>to the Corus IJmuiden material data sheet</b>	<b>Ympress® E690</b>	2–13	1,000 – 1,800	max. 12,000
Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
<b>to EN 10149 – 2</b>	<b>S355MC – S700MC*</b>	2–20	1,000 – 2,000	max. 12,000
Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
<b>to SEW 092</b>	<b>QSTE380TM</b>	3–20	1,000 – 2,000	max. 12,000
Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
<b>Boiler plate steel grades according to EN 10028 – 2</b> Test certificate 3.1 according to EN 10204 and AD2000/W1, tolerances according to EN 10051	<b>P265GH</b>	3–15	1,000 – 2,000	max. 12,000
	Also available in non-standard lengths. Lengths over 12,000 mm upon request.			
<b>Hot-rolled steel strip for cold forming according to EN 10111</b> Test certificate 3.1, tolerances according to EN 10051, pickled and lightly oiled, suitable for laser processing	<b>DD11</b>	1.5–12	1,000 – 2,000	max. 6,000
	Also available in non-standard lengths.			
<b>Hot-rolled thin slab casted strip (on the basis of EN 10268)</b> Test certificate 3.1 according to EN 10204, width tolerances according to EN 10131, thickness tolerances according to the Corus IJmuiden material data sheet				
<b>Mild unalloyed steel grades (on the basis of EN 10111)</b>	<b>Ymagine® D1</b>	1–3	1,000 – 1,500	max. 6,000
Also available in non-standard lengths. Lengths over 6,000 mm upon request.				
<b>Structural steel grades (according to EN 10025)</b>	<b>Ymagine® S1</b>	1–3	1,000 – 1,500	max. 6,000
Also available in non-standard lengths. Lengths over 6,000 mm upon request.				
<b>High-tensile, low-alloyed steel grades (according to EN 10268)</b>	<b>Ymagine® H320</b>	1–3	1,000 – 1,500	max. 6,000
	<b>Ymagine® H360</b>	1–3	1,000 – 1,500	max. 6,000
	<b>Ymagine® H420</b>	1.5–3	1,000 – 1,500	max. 6,000
	<b>Ymagine® H500</b>	1.8–3	1,000 – 1,350	max. 6,000
Also available in non-standard lengths. Lengths over 6,000 mm upon request.				

Quality standard according to ISO 9001:2000 Also available: - Shotblasting and priming  
- Levelling – with improved flatness  
- Material testing

\* Not all combinations of thicknesses and widths are possible. All measurements in mm.



## Heavy Plate

### CUSTOMER-FOCUSED

Our extensive product range of heavy plate makes us a reliable partner for all types of end users. Please see below for an overview of our products.



#### Heavy Plate\*

	Steel Grade	Thickness	Width	Length
<b>General structural steel grades according to EN 10025 – 2</b> Test certificate 3.1 according to EN 10204 and AD2000/W1 with CE identification, tolerances according to EN 10029	<b>S235JR +AR/+N</b>	4–250	1,000 – 3,000	max. 12,000
	<b>S355J2 +N</b>	4–250	1,000 – 3,000	max. 12,000
<b>Boiler plate steel grades according to EN 10028 – 2</b> Test certificate 3.1 according to EN 10204 and AD2000/W1, partly dual certified for SA516/grade 60, tolerances according to EN 10029	<b>P265GH</b>	3–200	1,000 – 3,000	max. 12,000
<b>Boiler plate steel grades according to EN 10028 – 3</b> Test certificate 3.1 according to EN 10204, partly dual certified for SA516/grade 70, tolerances according to EN 10029	<b>P355NH/NL1</b>	5–150	1,000 – 3,000	max. 12,000
	<b>P460NH/NL1</b>	5–150	1,000 – 3,000	max. 12,000
<b>Heat treatable steel according to EN 10083 – 2/3</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>C45</b>	15–60	1,000 – 2,000	max. 6,000
	<b>42CrMo4</b>	14–40	1,000 – 2,000	max. 8,000
<b>Case-hardening steel according to EN 10084</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>16MnCr5</b>	6–80	1,000 – 2,000	max. 6,000
<b>Shipbuilding plates</b> Steel grades according to the classification societies GL, LRS, DNV. Other societies if desired				
<b>Shipbuilding steel plates with normal strength</b>	<b>Grade A/B/D/E</b>	3–120	1,000 – 3,000	max. 16,000
<b>Shipbuilding steel plates with higher strength</b>	<b>Grade A32 – E32</b>	3–120	1,000 – 3,000	max. 16,000
	<b>Grade A36 – E36</b>	3–120	1,000 – 3,000	max. 16,000
	<b>Grade D36TM/E36TM</b>	6–40	1,000 – 3,000	max. 16,000
<b>High-tensile fine-grained structural steel according to EN 10025 – 6</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>S690QL/QL1</b>	4–200	1,000 – 3,000	max. 12,000
	<b>S890QL/QL1</b>	6–80	1,000 – 3,000	max. 12,000
	<b>S960QL/QL1</b>	6–80	1,000 – 3,000	max. 12,000
<b>Abrasion resistant special structural steel with at least 360/410/450 HB</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>ABRAZO 400/450/500</b>	4–100	1,000 – 3,000	max. 12,000
	<b>FORA 400/450/500</b>	4–100	1,000 – 3,000	max. 12,000

Quality standard according to ISO 9001:2000 Also available: - Shotblasting and priming  
- Levelling – with improved flatness  
- Material testing

\* Not all combinations of thicknesses and widths are possible. All measurements in mm.

## SPECIAL STEEL GRADES FOR SPECIAL REQUIREMENTS

Design and development engineers require the highest standards when it comes to steel. For this reason we offer our customers an extensive range of special steel grades: high-tensile fine-grained structural steel, micro-alloyed cold-forming steel, high-tensile thin slab casted strip and abrasion resistant special structural steel grades.

### Special Steel Grades\*

	Steel Grade	Thickness	Width	Length	
<b>High-tensile fine-grained structural steel according to EN 10025 – 6</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>S690QL/QL1</b>	4–200	1,000 – 3,000	max. 12,000	
	<b>S890QL/QL1</b>	6–80	1,000 – 3,000	max. 12,000	
	<b>S960QL/QL1</b>	6–80	1,000 – 3,000	max. 12,000	
<b>Abrasion resistant special structural steel with at least 360/410/450 HB</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10029	<b>ABRAZO 400/450/500</b>	4–100	1,000 – 3,000	max. 12,000	
	<b>FORA 400/450/500</b>	4–100	1,000 – 3,000	max. 12,000	
<b>Micro-alloyed, high-tensile cold-forming steel</b> Test certificate 3.1 according to EN 10204, tolerances according to EN 10051, suitable for laser processing to EN 10149 – 2	<b>Ympress® S420MC</b>	1.6–20	1,000 – 2,000	max. 12,000	
	<b>Ympress® S460MC</b>	1.6–20	1,000 – 2,000	max. 12,000	
	<b>Ympress® S500MC</b>	1.8–15	1,000 – 2,000	max. 12,000	
	<b>Ympress® S550MC</b>	1.8–10	1,000 – 2,000	max. 12,000	
	<b>Ympress® S700MC</b>	4–8	1,000 – 1,500	max. 12,000	
	Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
	<b>Ympress® E690</b>	2–13	1,000 – 1,800	max. 12,000	
Also available in non-standard lengths. Lengths over 12,000 mm upon request.					
to the Corus IJmuiden material data sheet	<b>S420MC – S700MC*</b>	2–20	1,000 – 2,000	max. 12,000	
	Also available in non-standard lengths. Lengths over 12,000 mm upon request.				
to EN 10149 – 2	<b>Ymagine® H320</b>	1–3	1,000 – 1,500	max. 4,000	
	<b>Ymagine® H360</b>	1–3	1,000 – 1,500	max. 4,000	
	<b>Ymagine® H420</b>	1.5–3	1,000 – 1,500	max. 4,000	
	<b>Ymagine® H500</b>	1.8–3	1,000 – 1,350	max. 4,000	
	Also available in non-standard lengths. Lengths over 4,000 mm upon request.				

Quality standard according to ISO 9001:2000 Also available: - Shotblasting and priming  
- Levelling – with improved flatness  
- Material testing

\* Not all combinations of thicknesses and widths are possible. All measurements in mm.



## ACCURATE PROCESSING OF PLATES

Our extensive distribution activities are complemented by modern plate processing equipment at sites throughout Germany.

Using our CNC gas and plasma cutting equipment, we are able to quickly and efficiently produce blanks and profiled parts to tight tolerances. The products include discs, rings, web plates, formed parts and wide flat steel, all produced to meet our customers' needs and requirements. Customers can e-mail us their DXF files quickly and free of charge, and these can be taken directly into our production process. Our service covers everything from the creation of the drawings in a CAD system through to the delivery of the blanks and profiled parts on the desired date – and, of course, strictly to ISO 9001:2000.



### We offer tailored blanks and profiles parts in the following quality grades:

General structural steel grades	S235JR +AR/+N, S355J2 +N
Boiler plate steel grades	P265GH, P355NH/NL1, P460NH/NL1, 16Mo3
Shipbuilding steel grades (normal and higher strength)	Grade A/B/D/E, Grade A32 – 36, Grade E36, Grade D36/E36 (TM)
Heat-treated and case-hardening steel grades	C45, 42CrMo4, 16MnCr5
High-tensile fine-grained structural steel grades	S690QL/QL1, S890QL/QL1, S960QL/QL1
Wear-resistant special structural steel grades	ABRAZO 400/450/500, FORA 400/450/500
Micro-alloyed cold-forming steel grades	S355/420/460/500/550/700 MC

#### Material test certification according to EN 10204

WPZ 2.2 APZ 3.1 APZ 3.2

Test inspections according to the applicable regulations of the inspection bodies

- Thicknesses of up to 600 mm
- Lengths of up to 16,000 mm
- Max. processing width 6,000 mm
- Max. piece weight 20,000 kg

As well as profiling, we are pleased to offer:

- Shotblasting and priming
- Annealing, normal and stress-relieving
- Levelling – with improved flatness
- Mechanical processing
- Folding

We are happy to offer additional material testing:

- Ultrasonic testing according to EN 10160
- Weld bead bend test according to SEP 1390
- Z test according to EN 10164
- Acceptable by all certification societies

Quality standard according to ISO 9001:2000