

Technical Sheets

**Metinvest Trametal
Ferriera Valsider
Spartan UK**

Metinvest Trametal

Location	San Giorgio di Nogaro (UD) Italy	
Area	150.000 square meters (out of which covered 50.000)	
Production	QUARTO STEEL PLATES	
Installed capacity	600.000 Tons per year	
Supply conditions	As rolled – Normalizing rolling – Normalized – Normalized and tempered - Annealed	
Production mix	Thickness	4-150 mm
	Width	3.150 mm Max
	Length	24.000 mm Max
	Max weight tons	15
Applicable standards	Dimension/Flatness	EN 10029 A(SA)20 A(SA)6
	Surface	EN 10163 A(SA)20 A(SA)6, shotblasted, primed on request
	Ultrasonic Test	EN 10160 A(SA)435 A(SA)578
	Certificates	EN 10204 A(SA)20 A(SA)6
	Testing as per	EN ASTM/ASME
Product certifications	Quality management system	
	The Company is ISO 9001:2015 fully qualified by DNV	
	Specific certifications from Shipping Registers: Registro Italiano Navale (RINA), Lloyd's Register of Shipping (LR), Det Norske Veritas/Germanischer Lloyd (DNV-GL), Bureau Veritas (BV), American Bureau of Shipping (ABS)	
	Specific Product certifications: AD2000 W1 (TÜV)/AD2000 W0 (TÜV), PED 2014/68/EU (TÜV), CE marking, NF ACIER N°25/08 dated 28.02.2019, RFI DTL SI PS SP IFS 001C, 08832 STR-MME-SPC Rev.8 (Agip), Nace MR0175, MR0103, TM0284, MSSP75, API650	
Logistics	Truck – Railway – Vessel	



Ferriera Valsider

Location Vallese di Oppeano (VR) - Italy

Area 150.000 square meters (out of which covered 40.000)

Production

QUARTO STEEL PLATES

HOT ROLLED COILS

**Installed capacity
(tons per year)**

500.000

750.000

Supply conditions

As rolled
Normalizing rolling
Normalized
Annealed

As rolled
Normalizing rolling
Thermomechanical
rolling

Production mix

Thickness, mm
Width, mm
Length, mm
Max weight tons

12-200
3.000 max
24.000 max
35 max

1,8 – 20
1.570 max
30 max

Applicable standards

Dimension/Flatness
Surface
Ultrasonic Test
Certificates
Testing as per

EN 10029
EN 10163 A/SA 6/20
EN 10160 A/SA 435/578
EN 10204 A/SA 6/20
EN ASTM/ASME

EN 10051 A/SA 568/635
EN 10163 A/SA 568/635
-
EN 10204 A/SA 568/635
EN ASTM/ASME

Product certifications

ISO 9001:2015 DNV
CE MARK
PED 2014/68/EU(TÜV)
DNV-GL,
AD2000 W0/W1 (TÜV)

ISO 9001:2015 DNV
CE MARK
PED 2014/68/EU (TÜV)
DNV-GL, RINA, LR, AD2000
W0/W1 (TÜV)
RINA Shipping Register
LRS Shipping Register

Logistics

Truck – Railway – Vessel



Spartan

Location	Newcastle upon Tyne - UK								
Area	100.000 square meters (out of which covered 30.000)								
Production	QUARTO STEEL PLATES								
Installed capacity	200.000 Tons per year								
Supply conditions	As rolled – Normalizing rolling – Normalized – Normalized and tempered - Annealed								
Production mix	<table> <tr> <td>Thickness</td><td>8-150</td></tr> <tr> <td>Width</td><td>2.100 max</td></tr> <tr> <td>Length</td><td>20.000 max</td></tr> <tr> <td>Max weight tons</td><td>22 max</td></tr> </table>	Thickness	8-150	Width	2.100 max	Length	20.000 max	Max weight tons	22 max
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Length	20.000 max								
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Product certifications	Quality management system The Company is ISO 9001:2015 fully qualified by TÜV Specific Product certifications AD2000W1 (TÜV)/AD2000W0 (TÜV) PED 2014/68/EU (TÜV) CE MARK								
Logistics	Truck – Vessel								



Structural steel

ASTM/ASME

Cert. 3.1 - 3.2 - ASTM/ASME	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
A/SA36	4-150	3150 max	3,0-15,0	AR - NR - NF
A/SA283 Gr.C	4-150	3150 max	3,0-15,0	AR - NR - NF
A/SA283 Gr.D	4-150	3150 max	3,0-15,0	AR - NR - NF
A/SA572 Gr.50type1	5-100	3150 max	3,0-15,0	AR - NR - NF
A/SA572 Gr.55type1	5-50	3150 max	3,0-15,0	AR - NR - NF
A/SA573 Gr.58	4-40	3150 max	3,0-15,0	AR - NR - NF
A/SA573 Gr.65	4-40	3150 max	3,0-15,0	AR - NR - NF
A/SA573 Gr.70	4-40	3150 max	3,0-15,0	AR - NR - NF
A/SA633 Gr. A	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. A (+S5)	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. C	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. C (+S5)	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. D	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. D (+S5)	5-100	3150 max	3,0-15,0	NF
A/SA633 Gr. E	8-100	3150 max	3,0-15,0	NF
A/SA633 Gr. E (+S5)	8-100	3150 max	3,0-15,0	NF
A/SA709 Gr.50type 1	5-100	3150 max	3,0-15,0	AR - NR - NF

Structural steel with improved atmospheric corrosion resistance

A/SA588 Gr.A	4-110	3150 max	3,0-15,0	AR - NR - NF
A/SA588 Gr.B	4-110	3150 max	3,0-15,0	AR - NR - NF
A/SA709 Gr.50WtypeA	5-80	3150 max	3,0-15,0	AR - NR - NF
A/SA709 Gr.50WtypeB	5-80	3150 max	3,0-15,0	AR - NR - NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled
- NR Normalizing rolling
- NF Normalized in furnace



Structural steel

Metinvest Trameal
Ferriera Valsider
Spartan UK

EN10025-2

Cert. 3.1 - 3.2 – CE – NF ACIER – A0W1	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
S185JR+AR	4-120	3150 max	3,0-15,0	AR
S185JR+N	4-150	3150 max	3,0-15,0	NR - NF
S235JR+AR	4-120	3150 max	3,0-15,0	AR
S235JR+N	4-180	3150 max	3,0-15,0	NR - NF
S235JRC+N	4-30	3150 max	3,0-15,0	NF
S235J0+AR	4-120	3150 max	3,0-15,0	AR
S235J0+N	4-180	3150 max	3,0-15,0	NR - NF
S235J0C+N	4-30	3150 max	3,0-15,0	NF
S235J2+N	4-180	3150 max	3,0-15,0	NR - NF
S235J2C+N	4-30	3150 max	3,0-15,0	NF
S275JR+AR	4-120	3150 max	3,0-15,0	AR
S275JR+N	4-180	3150 max	3,0-15,0	NR - NF
S275JRC+N	4-30	3150 max	3,0-15,0	NF
S275J0+AR	4-120	3150 max	3,0-15,0	AR
S275J0+N	4-180	3150 max	3,0-15,0	NR - NF
S275J0C+N	4-30	3150 max	3,0-15,0	NF
S275J2+N	4-180	3150 max	3,0-15,0	NR - NF
S275J2C+N	4-30	3150 max	3,0-15,0	NF
S355JR+AR	4-120	3150 max	3,0-15,0	AR
S355JR+N	4-180	3150 max	3,0-15,0	NR - NF
S355JRC+N	4-30	3150 max	3,0-15,0	NF
S355J0+AR	4-120	3150 max	3,0-15,0	AR - NR - NF
S355J0+N	4-180	3150 max	3,0-15,0	NR - NF
S355J0C+N	4-30	3150 max	3,0-15,0	NF
S355J2+N	4-180	3150 max	3,0-15,0	NR - NF
S355J2C+N	4-30	3150 max	3,0-15,0	NF
S355K2+N	4-180	3150 max	3,0-15,0	NR - NF
S355K2C+N	4-30	3150 max	3,0-15,0	NF
E295+AR	5-120	3150 max	3,0-15,0	AR
E295+N	4-180	3150 max	3,0-15,0	NF

EN10025-5

Structural steel with improved atmospheric corrosion resistance

S355J0W+AR	5-50	3150 max	3,0-15,0	AR
S355J0W+N	5-110	3150 max	3,0-15,0	NR – NF
S355J2W+N	5-110	3150 max	3,0-15,0	NR – NF
S355K2W+N	5-110	3150 max	3,0-15,0	NR – NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled
- NR Normalizing rolling
- NF Normalized in furnace

Grades J2 and K2 can be supplied with improved properties through thickness direction (Option 4)

Grades C also suitable for flangeability (thickness <30mm) and for roll forming (thickness <8mm)

All plates available also with suitability for hot-dip zinc-coating (class 2 and 3), for S355 quality in all grades also in class 1 (thickness <35mm)

Boiler and pressure vessel steel

Metinvest Trameal
Ferriera Valsider
Spartan UK

ASTM/ASME

Cert. 3.1 - 3.2 - ASTM/ASME - PED	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
A/SA203 Gr.D	8-60	3150 max	3,0-15,0	NF - T
A/SA203 Gr.D (+S5)	8-60	3150 max	3,0-15,0	NF - T
A/SA203 Gr.E	8-60	3150 max	3,0-15,0	NF - T
A/SA203 Gr.E (+S5)	8-60	3150 max	3,0-15,0	NF - T
A/SA285 Gr.A	4-50	3150 max	3,0-15,0	AR - NR
A/SA285 Gr.A (+S5)	4-50	3150 max	3,0-15,0	NF
A/SA285 Gr.B	4-50	3150 max	3,0-15,0	AR - NR
A/SA285 Gr.B (+S5)	4-50	3150 max	3,0-15,0	NF
A/SA285 Gr.C	4-50	3150 max	3,0-15,0	AR - NR
A/SA285 Gr.C (+S5)	4-50	3150 max	3,0-15,0	NF
A/SA516 Gr.55	4-90	3150 max	3,0-15,0	AR - NR - NF
A/SA516 Gr.55 (+S5)	4-90	3150 max	3,0-15,0	NF
A/SA516 Gr.60	4-90	3150 max	3,0-15,0	AR - NR - NF
A/SA516 Gr.60 (+S5)	4-90	3150 max	3,0-15,0	NF
A/SA516 Gr.65	4-90	3150 max	3,0-15,0	AR - NR - NF
A/SA516 Gr.65 (+S5)	4-90	3150 max	3,0-15,0	NF
A/SA516 Gr.70	4-90	3150 max	3,0-15,0	AR - NR - NF
A/SA516 Gr.70 (+S5)	4-90	3150 max	3,0-15,0	NF
A/SA387 Gr.11 cl.1	8-80	3150 max	3,0-15,0	A
A/SA387 Gr.11 cl.2	8-80	3150 max	3,0-15,0	T
A/SA387 Gr.12 cl.1	8-80	3150 max	3,0-15,0	A
A/SA387 Gr.12 cl.2	8-80	3150 max	3,0-15,0	T
A/SA537 cl.1	4-80	3150 max	3,0-15,0	NF
A/SA537 cl.1 (+S5)	4-40	3150 max	3,0-15,0	NF
A/SA662 Gr.A	5-50	3150 max	3,0-15,0	AR - NR
A/SA662 Gr.A (+S5)	5-50	3150 max	3,0-15,0	NF
A/SA662 Gr.B	5-50	3150 max	3,0-15,0	AR - NR
A/SA662 Gr.B (+S5)	5-50	3150 max	3,0-15,0	NF
A/SA662 Gr.C	5-50	3150 max	3,0-15,0	AR - NR
A/SA662 Gr.C (+S5)	5-50	3150 max	3,0-15,0	NF
A/SA737 Gr.B	5-80	3150 max	3,0-15,0	NF
A/SA737 Gr.B (+S5)	5-80	3150 max	3,0-15,0	NF
A/SA738 Gr.A	8-65	3150 max	3,0-15,0	NF
A/SA738 Gr.A (+5S)	8-65	3150 max	3,0-15,0	NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled
- NF Normalized in furnace
- A Annealed
- NR Normalizing rolling
- T Normalized & Tempered

Boiler and pressure vessel steel

Metinvest Trametal
Ferriera Valsider
Spartan UK

EN10028-2

Cert. 3.1 - 3.2 - PED – ADW1	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
P235GH	4-120	3150 max	3,0-15,0	NR - NF
P265GH	4-120	3150 max	3,0-15,0	NR - NF
P295GH	4-120	3150 max	3,0-15,0	NR - NF
P355GH	4-120	3150 max	3,0-15,0	NR - NF
16Mo3	6-100	3150 max	3,0-15,0	NR - NF
13CrMo4-5	8-80	3150 max	3,0-15,0	T

EN10028-3

Cert. 3.1 - 3.2 - PED - ADW1

P275NH	4-120	3150 max	3,0-15,0	NR - NF
P275NL1	4-120	3150 max	3,0-15,0	NF
P275NL2	4-120	3150 max	3,0-15,0	NF
P355N	4-120	3150 max	3,0-15,0	NR - NF
P355NH	4-120	3150 max	3,0-15,0	NR - NF
P355NL1	4-120	3150 max	3,0-15,0	NF
P355NL2	4-120	3150 max	3,0-15,0	NF
P460NH	8-120	3150 max	3,0-15,0	NF
P460NL1	8-100	3150 max	3,0-15,0	NF
P460NL2	8-100	3150 max	3,0-15,0	NF

EN10028-4

Cert. 3.1 - 3.2 - 3.2 R.I.NA.

13 MnNi 6-3 ³	8-40	3150 max	3,0-15,0	NF
12 Ni 14	8-50	3150 max	3,0-15,0	NF

NF A36-215

Cert. 3.1 - 3.2 - PED

P440NJ4	8-12	3150 max	3,0-15,0	NF
P460NJ2	8-12	3150 max	3,0-15,0	NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

³ Certified by R.I.NA. Shipping Register as 510LF for thickness 8-35mm

- NR Normalizing rolling
- NF Normalized in furnace
- T Normalized and tempered

All grades can be supplied with improved properties on thickness direction

Shipbuilding steel

ASTM/ASME – A/SA131

**Shipping Registers: R.I.NA – A.B.S. –
B.V. – G.L. – D.N.V. – L.R.S. – R.R.**

<i>Shipping Registers Cert. 3.2</i>	<i>ASTM/ASME - A/SA131 Cert. 3.1 - 3.2</i>	<i>Thickness (mm)</i>	<i>Width (mm)¹</i>	<i>Weight (tons)²</i>	<i>Delivery condition</i>
A	A	4-100	3150 max	3,0-15,0	AR - NR - NF
B	B	4-100	3150 max	3,0-15,0	AR - NR - NF
D	D	4-100	3150 max	3,0-15,0	NR - NF
E	E	4-100	3150 max	3,0-15,0	NF
AH32	AH32	4-100	3150 max	3,0-15,0	AR - NR - NF
DH32	DH32	4-100	3150 max	3,0-15,0	NR - NF
EH32	EH32	4-100	3150 max	3,0-15,0	NF
FH32	FH32	4-35	3150 max	3,0-15,0	NF
AH36	AH36	4-100	3150 max	3,0-15,0	AR - NR - NF
DH36	DH36	4-100	3150 max	3,0-15,0	NR - NF
EH36	EH36	4-100	3150 max	3,0-15,0	NF
FH36	FH36	4-35	3150 max	3,0-15,0	NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As Rolled
- NR Normalizing rolling
- NF Normalized in furnace



Shipbuilding steel

Grade ¹	Supply condition ²	Shipping Register ³					
		RINA	LRS	DNV-GL	BV	ABS	RR
Gr. A	AR	4 - 35	4 - 35	4 - 35	4 - 35	4 - 35	4 - 35
	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 60	4 - 60
Gr. B	AR	4 - 35	4 - 35	4 - 35	4 - 35	4 - 35	4 - 35
	CR	8 - 40	8 - 40	8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 60	4 - 60
Gr. D	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 50	4 - 60
Gr. D+Z	CR	15-40		15-40			15-40
	N	15 - 60	15 - 60	15 - 50	15 - 50	15 - 50	15 - 60
Gr. E	N	4 - 50	4 - 60	4 - 60	4 - 50	4 - 50	4 - 60
Gr E+Z	N	15 - 50	15 - 60	15 - 60	15 - 50	15 - 50	15 - 60
AH32	AR	4 - 25	4 - 25	4 - 25	4 - 25	4 - 25	4 - 25
	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 50	4 - 60
DH32	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 50	4 - 60
DH32+Z	CR	15-40		15-40			15-40
	N	15 - 60	15 - 60	15 - 50	15 - 50	15 - 50	15 - 60
FH32	N	8 - 35					
FH36	N	8 - 35					
EH32	N	4 - 50	4 - 60	4 - 60	4 - 50	4 - 50	4 - 60
EH32+Z	N	15 - 60	15 - 60	15 - 50	15 - 50	15 - 50	15 - 60
AH36	AR	4 - 25	4 - 25	4 - 25	4 - 25	4 - 25	4 - 25
	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 50	4 - 60
DH36	CR	8 - 40		8 - 40	8 - 40	8 - 40	8 - 40
	N	4 - 60	4 - 60	4 - 60	4 - 60	4 - 50	4 - 60
DH36+Z	CR	15-40		15-40			15-40
	N	15 - 60	15 - 60	15 - 60	15 - 50	15 - 50	15 - 60
EH36	N	4 - 50	4 - 60	4 - 60	4 - 50	4 - 50	4 - 60
EH36+Z	N	15 - 50	15 - 60	15 - 60	15 - 50	15 - 50	15 - 60
510LF	N	8 - 35					

¹ Z Test available only for thickness ≥ 15 , for thinner material conformity is guaranteed but test is not performed

² AR As Rolled
CR Control Rolling
N Normalized in Furnace

³ RINA Registro Navale Italiano
LRS Lloyd's Register
DNV-GL Det Norske Veritas/Germanischer Lloyd
BV Bureau Veritas
ABS American Bureau of Shipping
RR Russian Register

Quenched & tempered and case hardened steel

EN ISO 683-1

Non alloy steels for Q&T

Cert. 3.1

	<i>Thickness (mm)</i>	<i>Width (mm)¹</i>	<i>Weight (tons)²</i>	<i>Delivery condition</i>
C45	8-150	3150 max	3,0-15,0	AR
C45+N	8-150	3150 max	3,0-15,0	NF
C45E	8-150	3150 max	3,0-15,0	AR
C45E+A	8-150	3150 max	3,0-15,0	A
C45E+N	8-150	3150 max	3,0-15,0	NF

EN ISO 683-2

Alloy steels for Q&T

Cert. 3.1 only with ladle analysis

34CrMo4	7-50	3150 max	3,0-15,0	AR - NF
34CrMo4+A	7-50	3150 max	3,0-15,0	A
42CrMo4	8-150	3150 max	3,0-15,0	AR - NF
42CrMo4+A	8-150	3150 max	3,0-15,0	A

EN ISO 683-2

Boron steels for Q&T

Cert. 3.1 only with ladle analysis

27MnCrB5-2	6-60	3150 max	3,0-15,0	AR - NF
30MnB5	6-60	3150 max	3,0-15,0	AR - NF

EN ISO 683-3

Case hardened steels

Cert. 3.1 only with ladle analysis

16MnCr5	8-120	3150 max	3,0-15,0	AR
16MnCr5+N	8-150	3150 max	3,0-15,0	NF
16MnCr5+A	8-150	3150 max	3,0-15,0	A
20MnCr5	8-120	3150 max	3,0-15,0	AR
20MnCr5+N	8-150	3150 max	3,0-15,0	NF
20MnCr5+A	8-150	3150 max	3,0-15,0	A

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled
- NR Normalizing rolling
- NF Normalized in furnace
- A Annealed

All grades +A and +S are supplied with 3.1 certificate only with ladle analysis and maximum hardness.

All grades +N are supplied with 3.1 certificate with ladle analysis and mechanical properties.

Pipe fitting steel

EN ISO 3183 Cert. 3.1	API 5L Cert. 3.1	MSS SP75 Cert. 3.1	ASTM A860 Cert. 3.1	Thickness (mm)	Width (mm) ¹	Weight (tons) ²	Delivery condition
	B			4-100	3150 max	3,0-15,0	AR+N / NF
L245NB	X42	WPHY 42	WPHY 42	4-100	3150 max	3,0-15,0	AR+N / NF
L290NB	X46	WPHY 46	WPHY 46	4-100	3150 max	3,0-15,0	AR+N / NF
L360NB	X52	WPHY 52	WPHY 52	4-100	3150 max	3,0-15,0	AR+N / NF
	X56		WPHY 56	8-70	3150 max	3,0-15,0	AR+N / NF+Q
L415QB	X60	WPHY 60	WPHY 60	8-60	3150 max	3,0-15,0	AR+Q / NF+Q
L450QB	X65	WPHY 65	WPHY 65	8-60	3150 max	3,0-15,0	AR+Q / NF+Q
L485QB	X70	WPHY 70	WPHY 70	8-50	3150 max	3,0-15,0	AR+Q / NF+Q

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled
- N Mechanical test on normalized samples
- NF Normalized in furnace
- Q Mechanical test on quenched and tempered samples

Weldable fine grain steel, normalized

Metinvest Trameal
Ferriera Valsider
Spartan UK

EN10025-3

Cert. 3.1 - 3.2 – NF ACIER – CE	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
S275N	4-150	3150 max	3,0-15,0	NR - NF
S275NL	4-150	3150 max	3,0-15,0	NF
S355N	4-150	3150 max	3,0-15,0	NR - NF
S355NL	4-150	3150 max	3,0-15,0	NF
S420N	8-100	3150 max	3,0-15,0	NF
S420NL	8-100	3150 max	3,0-15,0	NF
S460N	8-100	3150 max	3,0-15,0	NF
S460NL	8-100	3150 max	3,0-15,0	NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- NR Normalizing rolling
- NF Normalized in furnace

All grades can be supplied with improved properties through thickness direction (Option 4)



Steel for offshore structures

Metinvest Trameal
Ferriera Valsider
Spartan UK

EN10225

Cert. 3.1 - 3.2	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
S355G2+N	5-20	3150 max	3,0-15,0	NF
S355G3+N	5-40	3150 max	3,0-15,0	NF

API 2H

Cert. 3.1 - 3.2	Thickness (mm)	Width (mm)¹	Weight (tons)²	Delivery condition
API2HGr.42	5-80	3150 max	3,0-15,0	NF
API2HGr.50	5-80	3150 max	3,0-15,0	NF

¹ Width min/max related to thickness and heat treatment

² Minimum and maximum tonnage related to thickness and slabs availability

- NF Normalized in furnace



Hot rolled coils

Ferriera Valsider

Non-alloy structural steels EN10025-2

	Thickness (mm) ¹	Width (mm) ²	Weight (tons) ³	Weight/Width (kg/mm)	Delivery condition
S235JR	2-20	1570 max	11,5 - 28,0	7.0 - 18.2	AR + N
S235J0	2-20	1570 max	11,5 - 28,0	7.0 - 18.2	AR + N
S235J2	2-20	1570 max	11,5 - 28,0	7.0 - 18.2	AR + N
S275JR	2-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S275J0	2-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S275J2	2-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355JR	2,3-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355J0	2,3-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355J2	2,3-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355K2	2,3-20	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N

Atmospheric corrosion resistant steels EN10025-5

	Thickness (mm) ⁴	Width (mm) ²	Weight (tons) ³	Weight/Width (kg/mm)	Delivery condition
S355J0WP	3-12	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355J2WP	3-12	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355J0W	3-12	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355J2W	3-12	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N
S355K2W	3-12	1570 max	11,5 - 28,0	8.7 - 18.2	AR + N

¹ Thicknesses from 2 to 2,5 mm have to be agreed with production/quality department

² Width min/max related to thickness and heat treatment

³ Minimum and maximum tonnage related to thickness and slabs availability

⁴ Thicknesses from 3 to 5 mm have to be agreed with production/quality department

- AR As rolled
- NR Normalizing rolling



Hot rolled coils

Ferriera Valsider

Quenched and tempered steels EN ISO 683-1

	Thickness (mm) ¹	Width (mm) ²	Weight (tons) ³	Weight/Width (kg/mm)	Delivery condition
C45	3-15	1570 max	11,5 - 25,0	8.7 - 18.2	AR
C45E	3-15	1570 max	11,5 - 25,0	8.7 - 18.2	AR

Boron steels for quenching and tempering EN ISO 683-2

	Thickness (mm) ⁴	Width (mm) ²	Weight (tons) ³	Weight/Width (kg/mm)	Delivery condition
27MnCrB5-2	3-12	1570 max	11,5 - 28,0	7.0 - 18.2	AR
30MnB5	3-12	1570 max	11,5 - 28,0	7.0 - 18.2	AR
33MnCrB5-2	3-12	1570 max	11,5 - 28,0	7.0 - 18.2	AR

¹ Thicknesses from 3 to 5 mm have to be agreed with production/quality department

² Width min/max related to thickness and heat treatment

³ Minimum and maximum tonnage related to thickness and slabs availability

- AR As rolled

