



HEAVY PLATES

Craftsmanship of steel



WE ARE MARCEGAGLIA PLATES
— THE HEART OF ITALIAN EXCELLENCE.
WITH PASSION, INNOVATION
AND EXPERTISE, WE SHAPE STEEL
FOR THE CHALLENGES OF TOMORROW.

OUR HEAVY PLATES EMBODY
THE STRENGTH, PRECISION
AND RELIABILITY OF MADE IN ITALY.

WHERE STEEL MEETS THE WORLD

PLANT 28

2 km

PLANT 33



OUR **TWO PLANTS** IN SAN GIORGIO DI NOGARO (UDINE) ENJOY A **STRATEGIC LOCATION**, EQUIPPED WITH PORT FACILITIES AND DIRECT ACCESS TO THE SEA.

AN **INTERNAL RAIL LINK** AND NEARBY HIGHWAYS ENABLE EFFICIENT LOGISTICS AND REDUCED COSTS.

KEY NUMBERS

250,000

M² SURFACE AREA

INCLUDING **73,000** M²
COVERED AREA

3,020/3,000

MAX WIDTH (MM)

RAW EDGES / TRIMMED EDGES

1,000,000

T/Y PRODUCTION CAPACITY

7÷250

THICKNESS (MM)

THE HUMAN STRENGTH BEHIND STEEL

expertise

BEHIND EVERY PLATE,
THERE IS A **TEAM**.

HERE METALLURGICAL EXPERTISE
JOINS OUR **PASSION**, AND QUALITY
TAKES CONCRETE FORM,
TURNING EVERY PRODUCT INTO
TRUE AND LASTING VALUE.

ONE VISION MANY MARKETS

OUR PLATES TAKE ON **THE WORLD'S TOUGHEST CHALLENGES**.
THEY BUILD BRIDGES, WIND TOWERS,
SHIPS AND INFRASTRUCTURES.

EVERY PROJECT CARRIES OUR VISION
— **STRENGTH, RELIABILITY
AND GLOBAL REACH.**

GLOBAL

POWER THAT CONNECTS

OUR **STRUCTURAL STEELS** SHAPE THE SOLIDITY OF **BRIDGES, BUILDINGS AND INFRASTRUCTURES**, COMBINING DESIGN LIGHTNESS WITH EXTREME STRENGTH.

THEY CREATE SAFE, LASTING CONNECTIONS, READY TO WITHSTAND **TIME** AND FUTURE **CHALLENGES**.

*STRUCTURAL
STEELS*

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 10025-2	Non-alloy structural steels (*)	S235JR+AR, S235JR+N, S235J0+AR, S235J0+N, S235J2+AR, S235J2+N, S275JR+AR, S275JR+N, S275J0+AR, S275J0+N, S275J2+AR, S275J2+N, S355JR +AR/+N, S355J0 +AR/+N, S355J2 +AR/+N, S355J2 C+N, S355K2+N
EN 10025-3	Normalized/normalized rolled weldable fine-grain structural steels (*)	S275N, S275NL, S355N, S355NL, S420N, S420NL, S460N, S460NL
EN 10025-5	Structural steels with improved atmospheric corrosion resistance (*)	S355J0W+AR, S355J2W+AR/+N, S355K2W+AR/+N S355J4W+AR/+N, S355J5W+AR/+N
ASTM	Standard specification for structural steel for bridges	A709 grade 36, grade 50, grade 50W
ASTM	Standard specification high-strength low alloy structural steel with atmospheric corrosion resistance	A588 grade A, grade B

(*) CE marking available

THE SOUL OF MACHINES

OUR PLATES LIVE AT THE HEART
OF THE **MACHINES THAT MOVE
THE LAND**: STEEL THAT ENDURES,
PROTECTS AND SUPPORTS EVERY ACTION,
TURNING EFFORT AND STRENGTH INTO
THE BUILDING OF THE FUTURE.

***yellow
GOODS***

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 10025-2	Non-alloy structural steels (*)	S235JR+AR, S235JR+N, S235J0+AR, S235J0+N, S235J2+AR, S235J2+N, S275JR+AR, S275JR+N, S275J0+AR, S275J0+N, S275J2+AR, S275J2+N, S355JR +AR/+N, S355J0 +AR/+N, S355J2 +AR/+N, S355J2 C+N, S355K2+N
EN 10025-3	Normalized/normalized rolled weldable fine-grain structural steels (*)	S275N, S275NL, S355N, S355NL, S420N, S420NL, S460N, S460NL
EN 683-1, EN 683-2	Steels for quenching & tempering	C45/C45E+U/+A/+S/+N, 42Cr-Mo4+U/+A/+S/+N
EN 683-3	Case hardening steel	16MnCr5+U/+A/+S/+N, 20MnCr5

(*) CE marking available

GIVING VOICE TO THE WIND

*WIND
TOWERS*

EVERY **WIND TOWER** IS BORN FROM
THE MEETING OF **WIND AND STEEL**.

OUR HEAVY PLATES ARE
THE FOUNDATIONS OF THIS
CHALLENGE: THEY SUPPORT
TOWERING STRUCTURES,
**TURNING NATURAL FORCE
INTO CLEAN ENERGY.**

IN THIS WAY, STEEL BECOMES
SUSTAINABLE PROGRESS,
GIVING **VOICE TO THE WIND
AND FUTURE TO COMMUNITIES.**

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 10025-2	Non-alloy structural steels (*)	S235JR+AR, S235JR+N, S235J0+AR, S235J0+N, S235J2+AR, S235J2+N, S275JR+AR, S275JR+N, S275J0+AR, S275J0+N, S275J2+AR, S275J2+N, S355JR +AR/+N, S355J0 +AR/+N, S355J2 +AR/+N, S355J2 C+N, S355K2+N
EN 10025-3	Normalized/normalized rolled weldable fine-grain structural steels (*)	S275N, S275NL, S355N, S355NL, S420N, S420NL, S460N, S460NL
EN 10025-5	Structural steels with improved atmospheric corrosion resistance (*)	S355J0W+AR, S355J2W+AR/+N, S355K2W+AR/+N, S355J4W+AR/+N, S355J5W+AR/+N
ASTM	Standard specification for structural steel for bridges	A709 grade 36, grade 50, grade 50W
ASTM	Standard specification high-strength low alloy structural steel with atmospheric corrosion resistance	A588 grade A, grade B

(*) CE marking available - *Vendibile con marcatura CE*

THE SOLID FOUNDATION OF CONSTRUCTION SITES

IT IS ON CONSTRUCTION SITES THAT THE **ROADS OF TOMORROW** ARE TRACED. OUR PLATES, LAID ON THE GROUND, **GUIDE AND SUPPORT** THE PASSAGE OF VEHICLES, MAKING EVERY MOVEMENT TOWARD THE FUTURE SAFE AND POSSIBLE.

*road
PLATES*

DIMENSIONAL CHART

Thickness from 7 mm to 50 mm
(custom-made thickness available on request)

Wide road plates from 1 m up to 3 m wide
(custom-made width available on request)

Long from 4 m up to 12 m long
(custom-made length available on request)

THE HEART OF CONTAINED POWER

**PVQ
steels**

WHERE PRESSURE BECOMES A CHALLENGE,
STEEL RESPONDS WITH CERTAINTY.
OUR PVQ STEELS FOR BOILERS AND PRESSURE VESSELS
ARE DESIGNED TO WITHSTAND, PROTECT, AND DELIVER
HIGH PERFORMANCE IN THE MOST COMPLEX SCENARIOS,
WHERE SAFETY IS PARAMOUNT.

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 10028-2	Steels for boilers and pressure vessels steel with specified elevated temperature properties	P235GH, P265GH, P295GH, P355GH, 16Mo3
EN 10028-3	Weldable fine-grain steels normalized for pressure purposes	P275N, P275NH, P275NL1, P275NL2, P355N, P355NH, P355NL1, P355NL2
ASTM	Pressure vessel quality steel plates	A285 grade A-B-C, A537 class 1, A516 grade 55-60-65-70, A612/SA612



FREEDOM IN FORM

DUCTILITY IS THE BALANCE OF STRENGTH AND FLEXIBILITY THROUGH WHICH OUR **HIGH-YIELD STEELS** ENSURE DESIGN FREEDOM AND LASTING RELIABILITY.

***HIGH-YIELD
STEELS***

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 10025-2	Non-alloy structural steels (*)	S355JR +N, S355J2 +N (laser)
EN 10149-2	Specification for hot-rolled flat products made of high yieldstrength steels for cold forming	S355MC, S420MC

(*) CE marking available

THE HIDDEN FORCE OF MOTION

IN EVERY GEAR LIVES THE **HARMONY OF MOTION**, A PERFECT BALANCE BETWEEN ENERGY AND EFFICIENCY.

OUR STEELS FOR **QUENCHING AND TEMPERING** PRESERVE THIS ESSENCE, ENSURING SILENT RELIABILITY THAT TURNS INTO **CONSTANT PRECISION**.

**quenching
& tempering**

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 683-1, EN 683-2	Steels for quenching & tempering	C45/ C45E+U/+A/+S/+N, 42CrMo4+U/+A/+S/+N
EN 683-3	Case hardening steel	16MnCr5+U/+A/+S/+N, 20MnCr5

WHERE FORM MEETS ENDURANCE

OUR STEELS PROVIDE THE SILENT STRENGTH BEHIND **HIGH-QUALITY MOLDS** AND MECHANICAL PARTS, ENSURING **HARDNESS, WEAR RESISTANCE, AND LASTING PRECISION** IN EVERY CREATION.

TOOLS

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
EN 4957	Tool steels	C45U, 21MnCr5

STEEL THAT SAILS THE SEAS

EVERY VOYAGE RESTS ON THE SOLIDITY
THAT MAKES THE SEA A PASSAGE.

OUR HEAVY PLATES BECOME
THE **COMPANIONS OF SAFE
JOURNEYS**, ABLE TO WITHSTAND
WAVES AND DISTANCES.

HULLS THAT ENDURE,
DECKS THAT PROTECT:
EVERY MILE AT SEA TURNS INTO
SAFETY AND RELIABILITY.

SHIPBUILDING

GRADES AND STANDARDS

MANUFACTURING STANDARD	PRODUCT	GRADE
BV/RINA	Steel for naval purposes	BV RINA grades A, B, D RINA grades AH32, AH36, DH32, DH36, EH36

BUILT ON TRUST

*CERTIFIED
SUPPLY
CHAIN*

EACH PLATE REFLECTS THE STRENGTH OF MARCEGAGLIA'S FULLY INTEGRATED AND CERTIFIED **SUPPLY CHAIN**: A SOLID NETWORK OF **TRUSTED PARTNERSHIPS** AND IN-HOUSE STEEL PRODUCTION AT THE **FOS-SUR-MER PLANT**, ENSURING **QUALITY AND RELIABILITY AT EVERY STAGE.**

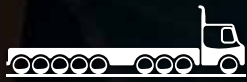


FROM SLABS TO PLATES: **THE PROCESS BEHIND PERFORMANCE**

BORN FROM A PROCESS
THAT TURNS STEEL INTO
STRENGTH, OUR HEAVY
PLATES PROVIDE
**A SOLID AND RELIABLE
FOUNDATION FOR
AMBITIOUS PROJECTS
ACROSS GLOBAL MARKETS.**



VESSEL



TRUCK



RAIL

SLAB INSPECTION

SLAB OXY CUT

2 FLAME CUTTING MACHINES

SLAB RE-HEATING FURNACES

4 FURNACES

HOT DUO/QUARTO ROLLING

3 ROLLING MILLS LINE

3 DESCALING UNITS (HIGH PRESSURE WATER)

ADDITIONAL SERVICES*

METALLURGICAL TESTS

INSPECTION TESTS

FINISHED GOODS AREA

SHIPMENT

***ADDITIONAL SERVICES**

1 HEAT TREATMENT FURNACE

9 OXYCUT MACHINES

5 PLASMA CUTTING MACHINES

2 HOT LEVELLERS

1 COLD LEVELLER

1 MECHANICAL TRIMMING MACHINE

2 SHOT-BLASTING MACHINES Sa 2.5

1 TESTING AND QUALITY DEPARTMENT



VESSEL



TRUCK



RAIL

TAILORED THROUGH TECHNOLOGY



MECHANICAL TRIMMING

SHOT BLASTING



ANNEALING - NORMALIZING



SOFT DIE-STAMPING 3.2



EACH PLATE CAN BE FURTHER
CUSTOMIZED THROUGH
ADDITIONAL SERVICES, DESIGNED
TO MEET THE MOST SPECIFIC
REQUIREMENTS.

CERTIFIED EXCELLENCE YOU CAN RELY ON

A hand holding a pen pointing at a technical drawing on a tablet. The background is a blurred industrial setting with a red wall and a white wall. The text is overlaid on the image.

QUALITY IS NOT JUST A STANDARD
— IT'S A **DAILY COMMITMENT.**

EVERY PLATE UNDERGOES
METICULOUS INSPECTIONS
AND CERTIFICATIONS
IN COMPLIANCE WITH **EN
AND ASTM REQUIREMENTS,**
ENSURING RELIABILITY
RECOGNIZED WORLDWIDE.

MANUFACTURING STANDARDS AND CERTIFICATIONS

EN 10025-2, EN 10025-5
EN10028-2, EN 10028-3
EN 683-1, EN 683-2, EN 683-3
EN 10149-2, EN 4957

ASTM A36, ASTM A283
ASTM A285, ASTM A516
ASTM A537, ASTM A573
ASTM A588, ASTM A709

0980/D0 BV, 0978/D0 BV

Naval Grades

ISO 9001
ISO 14001
ISO 45001
ISO 50001

CE 305/2011/EU (EN 10025-1:2004)
Directive 2014/68/EU (PED)
UKCA – BS EN 10025-1:2004
UKCA-PESR – Pressure Equip. (Safety) Reg.

AD2000 W0/W1/W10
TÜV SÜD
TÜV Rheinland
RINA Approval - Naval
BV Lloyds DNV (under construction)
09806_D0 BV – 09788_D0 BV

National Highways Sector Scheme 3B (NHSS 3B)
Declaration of the product recyclability

REACH
SVHC
Conflict Mineral Reporting Template (CMRT)
EMRT (Cobalt & Mica)

SUSTAINABILITY IN ACTION



WITH A CAPACITY OF 60 TONS PER HOUR, THE **NEW SLAB FURNACE** BOOSTS PRODUCTION PERFORMANCE AND SIGNIFICANTLY **REDUCES NOX EMISSIONS.**

IT'S AN INNOVATION THAT COMBINES **EFFICIENCY** AND **ENVIRONMENTAL CARE:** A SOLID STEP TOWARD A MORE SUSTAINABLE STEEL INDUSTRY.

HARNESSING THE POWER OF A GREAT GROUP BY OUR SIDE

SIDERLUCK

Owned by the Marcegaglia group,
the vessel reflects
the company's role as shipowner.

AS PART OF THE MARCEGAGLIA GROUP,
A **GLOBAL STEEL LEADER** WITH OVER
60 YEARS OF HISTORY, WE EMBODY
A **PEOPLE-CENTERED CULTURE**
ROOTED IN FAMILY VALUES AND
STRENGTHENED BY INITIATIVES LIKE
THE MARCEGAGLIA FOUNDATION,
CASA MARCEGAGLIA,
AND MARCEGAGLIA ACADEMY.

6.5

MILLION TONS OF
FINISHED PRODUCT

7,800

EMPLOYEES

15,000

CUSTOMERS

7.5

BILLION EUROS
IN TURNOVER

36

PLANTS ACROSS
4 CONTINENTS

A RICH ARRAY OF POSSIBILITIES

A WIDE RANGE OF HEAVY PLATES THAT OPENS UP TO **MULTIPLE PERSPECTIVES**.

EACH **STEEL GRADE** IS DESIGNED TO MEET TECHNICAL AND PERFORMANCE REQUIREMENTS, OFFERING **FLEXIBLE, TAILOR-MADE SOLUTIONS** FOR EVERY PROJECT.

PRODUCTION RANGE

Min. thickness (mm)	7*
Max. thickness (mm)	250**
Min. width (mm)	1,000
Max. width (mm)	3,020/3,000***

Min. length (mm)	2,000
Max. length (mm)	21,000
Max. plate weight (kg)	24,000

(*) Subject to approval - (**) CE marking till 200 mm - (***) raw edges / trimmed edges

DIMENSIONAL CHART

Structural steel: S235JR+N, S275JR+AR, S355J2+N

Steels for quench & temper, case hardening: C45, 42CrMo4, 16MnCr5

Steels for pressure vessels: P265GH-P275NH-A(SA)516Grade60N; P355NH-P355NL1-P355GH-A(SA)516Grade70N

THICKNESS (mm)	WIDTH (mm)						3000
	1000 (***)	1250 (***)	1500 (***)	2000 (***)	2450 (*)	2500 (***)	
	LENGTH (mm)						
8				6000/12000/18000/24000		6000/12000/18000/24000	6000/13000/18000
10				6000/12000/18000/24000		6000/12000/18000/24000	6000/12000/18000
12				6000/12000/18000/24000	12000	6000/12000/18000/24000	
15	2000	2500	3000	6000/12000	12000	12000	
20	2000	2500	3000	6000/12000	12000	12000	
25	2000	2500	3000	6000/12000	12000	12000	
30	2000	2500	3000	6000/12000	12000	12000	
35				6000/12000	12000		
40				6000/12000	10000		
50				6000	9000		
60				6000	6000		
70				6000			
80				6000	(1) (2) (3)		
90				6000	(1) (2) (3)		
100				6000	(1) (2) (3)		
110				6000	(1) (2) (3)		
120				5000 (2) 6000 (1)	(1) (2)		
130				5000 (1)			
140				4000 (1)			
150				4000 (1)			

Available for structural steel

(1) Available for S355J2+N - (2) Available for C45 - (3) Available for 42CRM04, 16MnCr5 - (*) Mill edges tol. on width -0, +80 mm, tol. on length -0, +150 - (***) 4 cut edges tol. -0/+20mm

SHAPING THE FUTURE TOGETHER

AT MARCEGAGLIA PLATES,
STEEL IS MUCH MORE THAN A PRODUCT:
IT'S THE RESULT OF OUR **EXPERTISE,**
DEDICATION AND VISION.
TOGETHER, WE **TURN CHALLENGES INTO**
OPPORTUNITIES, SHAPING STEEL
FOR INDUSTRIES ACROSS THE GLOBE.



 **MARCEGAGLIA**
PLATES

heavyplates.marcegaglia.com