



**MARCEGAGLIA
SPECIALTIES**

COLD DRAWN BARS DIVISION

MARCEGAGLIA GROUP

INTERNATIONAL PLAYER IN STEEL

MARCEGAGLIA IS THE ITALIAN
INDUSTRIAL GROUP LEADING THE EUROPEAN
AND WORLDWIDE STEEL MARKET.

A UNIQUE COMBINATION OF THE DYNAMIC ITALIAN
FAMILY BUSINESS MODEL WITH THE GREAT
OPERATING CAPACITY AND PRESENCE
IN THE INTERNATIONAL MARKETS,
TYPICAL OF THE LARGE CORPORATIONS.

(7.7) BILLION EUROS SALES MARCEGAGLIA STEEL)

6.2 MILLION TONS
PROCESSED YEARLY

8 BILLION EUROS SALES
MARCEGAGLIA HOLDING

6,600 EMPLOYEES

29 STEEL PLANTS

60 SALES OFFICES

1st INDEPENDENT PLAYER
IN STEEL PROCESSING SECTOR IN THE WORLD

1st PRODUCER OF STAINLESS STEEL

WELDED TUBES IN THE WORLD

1st PRODUCER OF CARBON STEEL

WELDED TUBES IN EUROPE

1st SERVICE CENTER IN ITALY

 **MARCEGAGLIA**

CORPORATE CULTURE

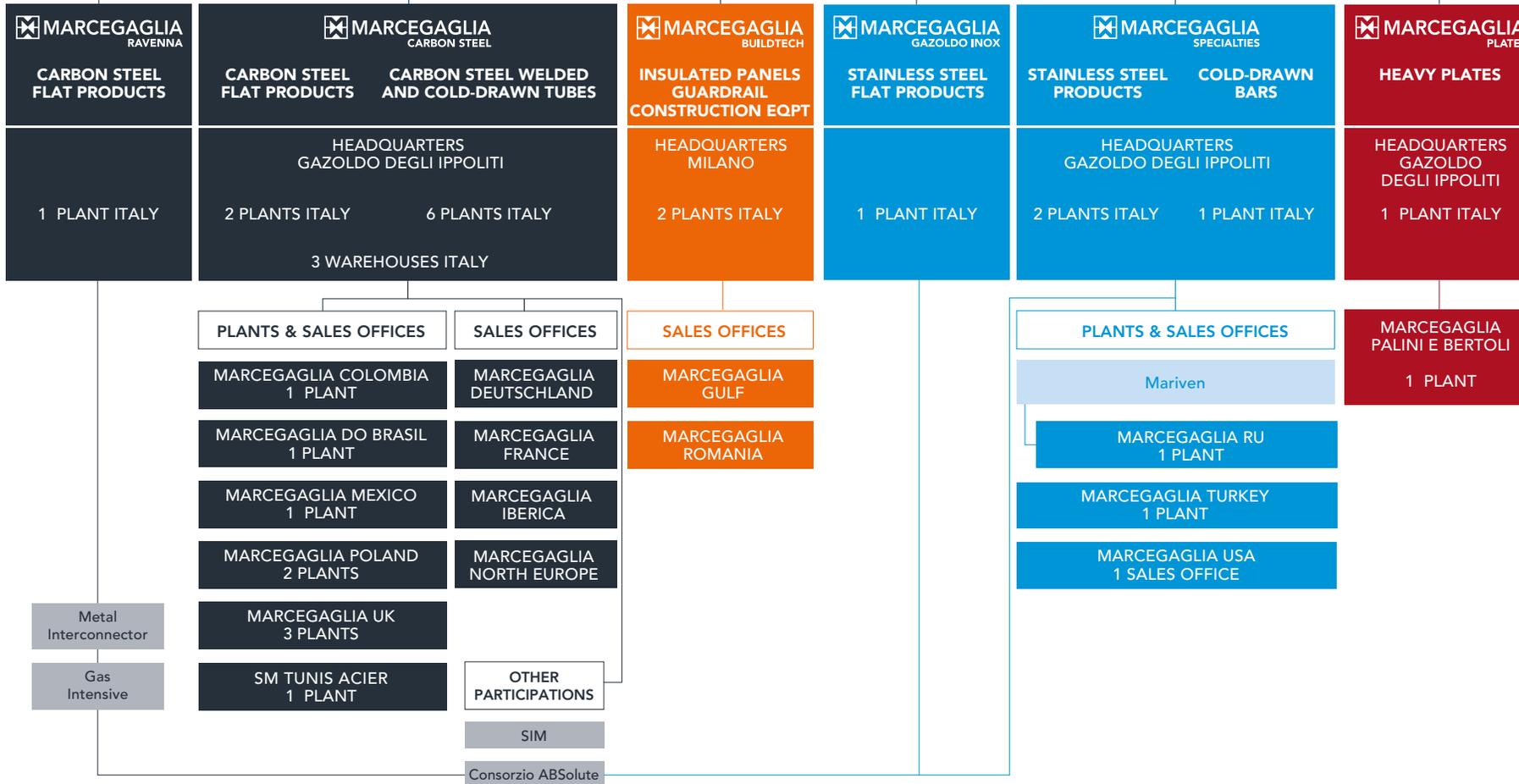
INDEPENDENCE, DYNAMISM, RESILIENCE, COMPETENCE, VERSATILITY, REACTIVITY: IN OVER 60 YEARS OF HISTORY, THESE DISTINCTIVE VALUES MADE MARCEGAGLIA THE PRIVILEGED PARTNER IN THE STEEL PROCESSING INDUSTRY.

THE COMPANY CULTURE IS BASED ON PEOPLE CENTRICITY AND SHARING OF THE SAME KEY VALUES WHICH ARE SHAPING MARCEGAGLIA UNIQUE BUSINESS MODEL.

STEEL CORE

CORE BUSINESS ACTIVITIES, CONTROLLED BY MARCEGAGLIA STEEL (HOLDING COMPANY, WHICH REPRESENTS 97% OF TOTAL ACTIVITIES), ARE ORGANIZED THROUGH SIX DIFFERENT OPERATING COMPANIES: MARCEGAGLIA RAVENNA, MARCEGAGLIA CARBON STEEL WITH THE FLAT PRODUCTS AND WELDED TUBES DIVISIONS, MARCEGAGLIA BUILDTECH, MARCEGAGLIA GAZOLDO INOX, MARCEGAGLIA SPECIALTIES WITH THE STAINLESS PRODUCTS AND COLD DRAWN BARS DIVISIONS, MARCEGAGLIA PLATES FOR THE HEAVY PLATES PRODUCTION.

MARCEGAGLIA INVESTMENTS IS THE HOLDING FOR THE DIVERSIFIED ACTIVITIES (3% OF TOTAL ACTIVITIES).



HOME PRODUCTS

Oskar
Imat

ENGINEERING

Elet.Ca

ENERGY

CO.GE.AM → Other particip.
EuroEnergy → Other particip.
ETA

HSE

Made HSE

HOSPITALITY ACTIVITIES & REAL ESTATE

Albarella → Other particip.
Pugnochiuso → Other particip.
Gaia Turismo → Other particip.
Palazzo Agricoltura
Gabetti Property Solutions

OTHER PARTICIPATIONS

STEEL IN THE WORLD



- BOLTIERE
- LOMAGNA
- LAINATE
- RIVOLI
- DUSINO SAN MICHELE
- POZZOLO FORMIGARO
- CORSICO
- MILANO
- GRAFFIGNANA
- CASALMAGGIORE
- CONTINO
- SAN GIORGIO DI NOGARO
- TEZZE SUL BRENTA
- GAZOLDO DEGLI IPPOLITI, HQ
- RAVENNA
- FORLÌ
- OSTERIA GRANDE

STEEL PRODUCTION

PRIMARY INDUSTRY

Via either blast furnace, using iron mineral and carbon, or electric furnace, using re-melted scrap steel.

ACTIVITIES

Iron making
Steel making
Casting
Hot rolling

OUTPUT

Coils
Bars
 Heavy plates

1st TRANSFORMATION

Crude products are chemically and/or mechanically processed to make them suitable for specific industrial purposes

Pickling
Cold rolling
Galvanizing
Pre-painting

Galvanized coils
 Pickled coils
 Cold rolled coils
 Pre-painted coils
 Hr/Cr Coils

2nd TRANSFORMATION

Advanced processing to customize steel products on clients specific requests

Tube forming
Slitting and cutting to length
Drawing

Tubes
 Strips and sheets
 Drawn bars
 Tubes
 Strips and sheets
 Drawn bars

DISTRIBUZIONE

Direct selling and/or retailing to industrial clients or further processing under request

Finishing
Distribution

All products
 All products

END USERS MARKETS

Carbon steel products Stainless steel products Heavy plates

UNIQUE STRATEGIC POSITIONING

Marcegaglia is covering the whole downstream and distribution steel value chain, both horizontally and vertically, thanks to its unique strategic position. Marcegaglia is the first steel processor with a range of products that varies from carbon to stainless, from long to flat products, from commodity to specialty.

STEEL UNIQUE

PRODUCT RANGE

MARCEGAGLIA CARBON STEEL

-  CARBON STEEL COILS
-  CARBON STEEL STRIPS
-  CARBON STEEL SHEETS
-  CARBON STEEL WELDED TUBES
-  COLD-DRAWN WELDED TUBES
-  REFRIGERATION TUBES
-  HOT DIP GALVANIZED COILS

-  HOT DIP GALVANIZED STRIPS
-  HOT DIP GALVANIZED SHEETS
-  PRE-PAINTED COILS
-  PRE-PAINTED STRIPS
-  PRE-PAINTED SHEETS

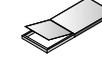
MARCEGAGLIA PLATES

-  HEAVY PLATES

MARCEGAGLIA SPECIALTIES

-  STAINLESS STEEL COILS
-  STAINLESS STEEL STRIPS
-  STAINLESS STEEL SHEETS
-  STAINLESS STEEL WELDED TUBES
-  CARBON AND STAINLESS STEEL COLD-DRAWN BARS
-  STAINLESS STEEL FLAT BARS
-  STAINLESS STEEL COLD FORMED SECTIONS

MARCEGAGLIA BUILDTECH

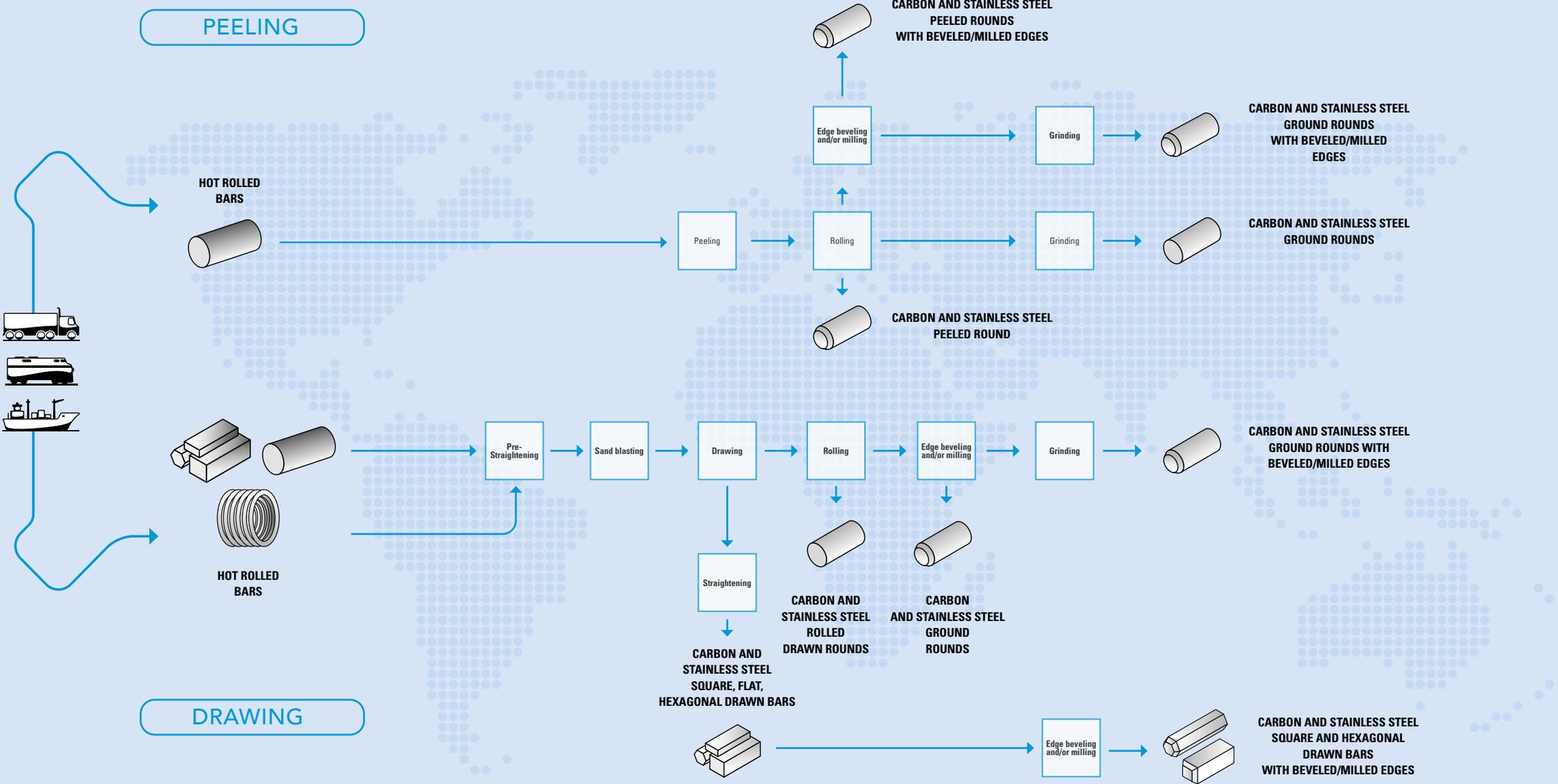
-  INSULATED PANELS
-  INSULATED PANELS FOR SECTIONAL DOORS
-  TRAPEZOIDAL CORRUGATED SHEETS
-  SM8 SYSTEM
-  SCAFFOLDING SYSTEMS
-  SAFETY BARRIERS
-  PLANK

MARCEGAGLIA COLD DRAWN BARS DIVISION

GLOBAL PLAYER IN PRODUCTION OF CARBON AND STAINLESS STEEL COLD-DRAWN BARS



COLD DRAWN STEEL PRODUCTS MANUFACTURING PROCESS



MANUFACTURING PLANTS - ITALY



CONTINO
Stainless steel
bright bars



GAZOLDO
DEGLI IPPOLITI
HEADQUARTERS
Stainless steel flat products



FORLÌ
Stainless steel welded tubes
automotive tubes and pipes,
process pipes for fluids,
construction and ornamental tubes

MANUFACTURING PLANTS - WORLD



GARUVA, BRAZIL

Stainless steel welded tubes

automotive tubes and pipes,
process pipes for fluids,
construction and ornamental tubes



VLADIMIR - RUSSIA

Stainless steel welded tubes
automotive tubes and pipes,
process pipes for fluids,
construction and ornamental tubes

Stainless steel flat products



ISTANBUL - TURKEY

Stainless steel welded tubes
polished tubes / decoration
and corrosion tube sector

○ Stainless steel production
in Marcegaglia Carbon Steel plant

PRODUCT RANGE



STAINLESS STEEL PRODUCTS

FLAT PRODUCTS

HOT ROLLED COILS

COLD ROLLED COILS

HOT ROLLED SHEETS

COLD ROLLED SHEETS

HOT ROLLED STRIPS

COLD ROLLED STRIPS

WELDED TUBES AND LONG PRODUCTS

WELDED TUBES

- high-frequency
- laser
- tig

LONG PRODUCTS

- bright bars
- flat bars
- cold formed section

COLD-DRAWN BARS

STAINLESS STEEL COLD-DRAWN BARS

STAINLESS STEEL
COLD-DRAWN BARS

CARBON STEEL COLD-DRAWN BARS

COLD-DRAWN BARS

FREE CUTTING STEEL
COLD-DRAWN BARS



COLD-DRAWN BARS

150 MILLION EURO MARCEGAGLIA
COLD-DRAWN BARS TURNOVER

1 MANUFACTURING PLANT

14 DRAWING BENCHES

2 PEELING MACHINES

10 GRIND LINES (FINISHING)

170 EMPLOYEES

According to EN 10277

The manufacturing plant in Contino (Mantova, Italy) is dedicated to the production of carbon and stainless steel cold-drawn and peeled bars, with a yearly capacity of more than 200 thousand tons.

COLD-DRAWN BARS

TESTING

INLINE ROTATING SENSOR EDDY
CURRENT TESTING
MAGNETO-INDUCTIVE TESTING

OPTIONAL PROCESSING

ROLLING
CHAMFERING
CUT TO LENGTH



UPON
REQUEST,
GRADES AND
DIMENSIONS
VARYING FROM
STANDARD
CAN BE CONSIDERED.

.....
Min. diameter (mm) 3
.....

.....
Max. diameter (mm) 150
.....

MAIN MANUFACTURING STANDARDS

EN 10277

Steels for general engineering purposes

S235JRC, S355J2C, E335GC+S, C15, C35, C40, C45, C45S, 20MnV6, 080A15 (sec. BS 970)
SAE1018

EN 10277

Free cutting steels

11SMn30, 11SMn37, 11SMnPb30, 11SMnPb37, 36SMnPb14, 11SMnPb37TeBi, 45S20

EN 10277

Case hardening steels

C10R, C15R, 16MnCrS5

EN 10277

Steels for quenching and tempering

C35E, C35R, C45E, C45R, 42CrMoS4V bonificato (QT)

EN 10088-3

Stainless steels for general purposes

1.4305 (AISI 303)
1.4301 (AISI 304)
1.4307 (AISI 304L)
1.4404 (AISI 316L)
1.4104 (AISI 430F)

CARBON STEEL COLD-DRAWN BARS



Cold drawn rounds EN 10277

drawn - diameter mm

3 - 150



Cold drawn rounds 16MnCr55
acc. to EN 10277

drawn - diameter mm

10 - 100



Tondi rettificati C45
acc. to EN 10277

diameter mm

8 - 120



Peeled rounds 42CrMoS4V
acc. to EN 10277

diameter mm

20 - 100



Tondi rettificati 42CrMo54
acc. to EN 10277

diameter mm

20 - 80

CARBON STEEL COLD-DRAWN BARS

 Flat drawn steel s235jrc+c
acc. to EN 10277

width mm 10 - 400

thickness mm 2 - 60

 Flat drawn steel S355J2C
acc. to EN 10277

width mm 25 - 100

thickness mm 10 - 30

 Flat drawn steel C45+C
acc. to EN 10277

width mm 20 - 100

thickness mm 5 - 40

CARBON STEEL COLD-DRAWN BARS



Squared drawn steel s235jrc, c45
acc. to EN 10277

width mm

8 - 100



Squared drawn steel s355j2c,
acc. to EN 10277

width mm

20 - 60



Hexagonal drawn steel s235jrc,
acc. to EN 10277

width mm

8 - 30

FREE CUTTING STEEL COLD-DRAWN BARS

	Round Free Cutting Steel acc. to EN 10277
diameter mm	6 - 150

	Square Free Cutting Steel acc. to EN 10277
size mm	15 - 80

	Hexagonal free cutting steel 11SMnPb30, 11SMnPb37, 36SMnPb14 acc. to EN 10277
size mm	6 - 100

	Hexagonal free cutting steel 11SMn30 acc. to EN 10277
size mm	7 - 65

STAINLESS STEEL COLD-DRAWN BARS

	Bright round bars acc. to EN 10088-3
diameter mm	5 - 100

	Bright round bars acc. to ASTM A 276/ A 479 / A 582
diameter mm	6.35 - 25.4

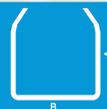
FLAT BARS AND SPECIAL COLD FORMED SECTIONS



Flat bars
EN 10088-2, EN 10028-7

lunghezza mm

100-200



Special cold formed sections

external dimensions mm

23x22 - 47x25

EUMARC[®] STAINLESS STEEL BRIGHT BARS

CONTROLLED SUPPLY CHAIN

GUARANTEED OPTIMIZED
CHEMISTRY

CONSISTENT MECHANICS



Marcegaglia Specialties experience and know-how in stainless steel has led to the development of EuMarc[®] stainless steel bright bars, a product that meets the market needs, characterized by consistent mechanics and chemistry, made of 100% European stainless steel.

.....
Min. diameter (mm) 8
.....

.....
Max. diameter (mm) 60
.....



100%
EUROPEAN
STEEL

 **MARCEGAGLIA**
SPECIALTIES

EUMARC[®] STAINLESS STEEL BRIGHT BARS

	Bright round bars acc. to EN 10088-3
diameter mm	8 - 60

	Hexagonal cold-drawn steel acc. to EN 10088-3
size mm	10 - 80

Manufacturing standard

Non-destructive testing
according to EN10088-3 (Class3)

Product designation

Stainless steels for general purposes

Grade

1.4305 (AISI 303), 1.4301 (AISI 304),
1.4307 (AISI 304L), 1.4404 (AISI 316L)

Testing

- Rotating sensor eddy current test
- Magneto-inductive test

Optional Processing

- Grinding
- Polishing (grit 320)
- Chamfering

Standard Chamfering Edges

edge tolerance:

$\varnothing 8 \div 10 \text{ mm} \pm 0.9 \text{ mm}$; $\varnothing 10 \div 50 \text{ mm} \pm 1 \text{ mm}$;
 $\varnothing 50 \div 60 \text{ mm} \pm 1.5 \text{ mm}$

Supply conditions

Dimensional tolerances
according to EN 10278



UPON REQUEST:
CERTIFICATION
ACCORDING
TO AD 2000
W2/W10

TYPICAL APPLICATIONS

STEEL FOR MECHANICAL ENGINEERING APPLICATIONS

STEEL FOR ELECTRIC MOTORS

STEEL FOR POWER TRANSMISSION AND DRIVES

A well-established production know-how and the use of sectorspecific steel grades make Marcegaglia's drawn steel bars the preferred choice for machine tools engineering, power transmission and drives, electric motors and other precision components for the mechanical industry.



TYPICAL APPLICATIONS

STEEL FOR AUTOMOTIVE APPLICATIONS

STEEL FOR HYDRAULIC APPLICATIONS

STEEL FOR HEAVY VEHICLE APPLICATIONS

Major applications for Marcegaglia drawn steel bars also include hydraulic cylinder engineering and several subsystems within the automotive and heavy vehicle industry, among others earth moving machinery and lifting equipment.

 **MARCEGAGLIA**
SPECIALTIES

OUR STEEL BRINGS YOUR WORLD TO LIFE



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