



FREEDOM IN FORM

 MARCEGAGLIA  
PLATES

# HIGH-YIELD STRENGTH STEELS



Marcegaglia Plates high-yield-strength heavy plates are designed for applications where **mechanical strength, precision and formability** must coexist in balance.

Developed for advanced components and for applications requiring accurate processing, our solutions ensure high performance in laser cutting, bending and cold forming processes.

## EN high-yield-strength steels

Steels according to **EN 10025-2** represent an effective solution when the design requires reliable structural quality and good workability. In this field, S355J2+N and S355K2+N (laser) offer suitable performance for applications requiring processing precision and consistent behavior.

Steels according to **EN 10149-2** include hot-rolled flat products made of high-yield-strength steels for cold forming, thermomechanically rolled. S355MC, S420MC and S460MC grades are designed to ensure high mechanical strength, good bendability and reliability in production processes.

Steels according to **EN 10149-3** include hot-rolled flat products made of high-yield-strength steels for cold forming, normalized or normalized rolled. S355NC and S420NC grades stand out for their ability to combine structural lightness, stability and forming precision.





## Applications

- advanced structural components
- bent and cold-formed parts
- laser-cut elements
- components with complex geometries

## Features

- high mechanical strength
- excellent ductility
- precision in cutting and processing
- metallurgical consistency

## Standards and range

Our heavy plates are available according to:

- EN 10025-2
- EN 10149-2 / -3

## GRADES AND MANUFACTURING STANDARDS

MANUFACTURING STANDARD	PRODUCT DESIGNATION	GRADE
EN 10025-2	Structural steels for general purposes	S355J2+N, S355K2+N (laser)
EN 10149-2	Hot-rolled flat products for high-yield strength and cold forming – thermomechanically rolled	S355MC, S420MC, S460MC
EN 10149-3	Hot-rolled flat products for high-yield strength and cold forming – normalized or normalized rolled	S355NC, S420NC

(\*) Available with CE marking

## PRODUCTION RANGE

Min. thickness	7*
Max. thickness	250**
Min. width	1,000
Max. width	3,020/3,000***
Min. length	2,000
Max. length	21,000
Max. plate weight	24,000

(\*) Customized sizes feasible and subject to mill approval

(\*\*) CE marking extension up to 200 mm

(\*\*\*) Natural edges / Cut edges

Our heavy plates make it possible to achieve **lightness, precision and high performance**, contributing to the development of reliable and functional components.



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***CONTACT US TO RECEIVE SUPPORT IN  
SELECTING THE HEAVY PLATES BEST  
SUITED TO YOUR PROJECT.***

