



WHERE FORM
MEETS ENDURANCE

 MARCEGAGLIA
PLATES

TOOL STEELS



Marcegaglia Plates heavy plates for tool applications are designed to ensure precision, stability and wear resistance.

Developed for tools, dies and precision components, our solutions ensure consistent quality even in the most demanding manufacturing processes and the most intensive production cycles.



EN tool steels

Steels according to EN 4957 include grades intended for the production of cold-working tools and precision components.

C45U is a non-alloy steel suitable for applications requiring good machinability and wear resistance, for use at moderate temperatures.

21MnCr5 is an alloy steel offering greater robustness and response to heat treatment, making it suitable for components requiring higher performance.

Completing the range, grade **1.2312** is a solution for molds and applications where dimensional stability and machinability are required, while maintaining good mechanical properties over time.



GRADES AND MANUFACTURING STANDARDS

MANUFACTURING STANDARD	PRODUCT DESIGNATION	GRADE
EN 4957	Tool steels	C45U, 21MnCr5 1.2312 +N/+NT

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

Applications

- molds and dies
- tools for cold working
- precision mechanical components
- parts for automated processes

Features

- uniform hardness
- dimensional stability
- low internal stresses
- high material uniformity

Standards and range

Our heavy plates are available according to:

- EN 4957

Our solutions ensure **precision, repeatability and long-term durability**, contributing to the quality of both the process and the final component.

MARCEGAGLIA **PLATES**

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

