



# THE SOUL OF MACHINES

 **MARCEGAGLIA**  
PLATES

# STRUCTURAL STEELS YELLOW GOODS



Marcegaglia Plates heavy plates for yellow goods are designed to ensure **strength, toughness and operational continuity**, even in the presence of impacts, vibrations, dynamic loads and intensive duty cycles.

Developed for critical applications and for environments where precision and durability must coexist, our solutions ensure reliable performance over time and meet the main manufacturing requirements of the sector.

### EN structural steels

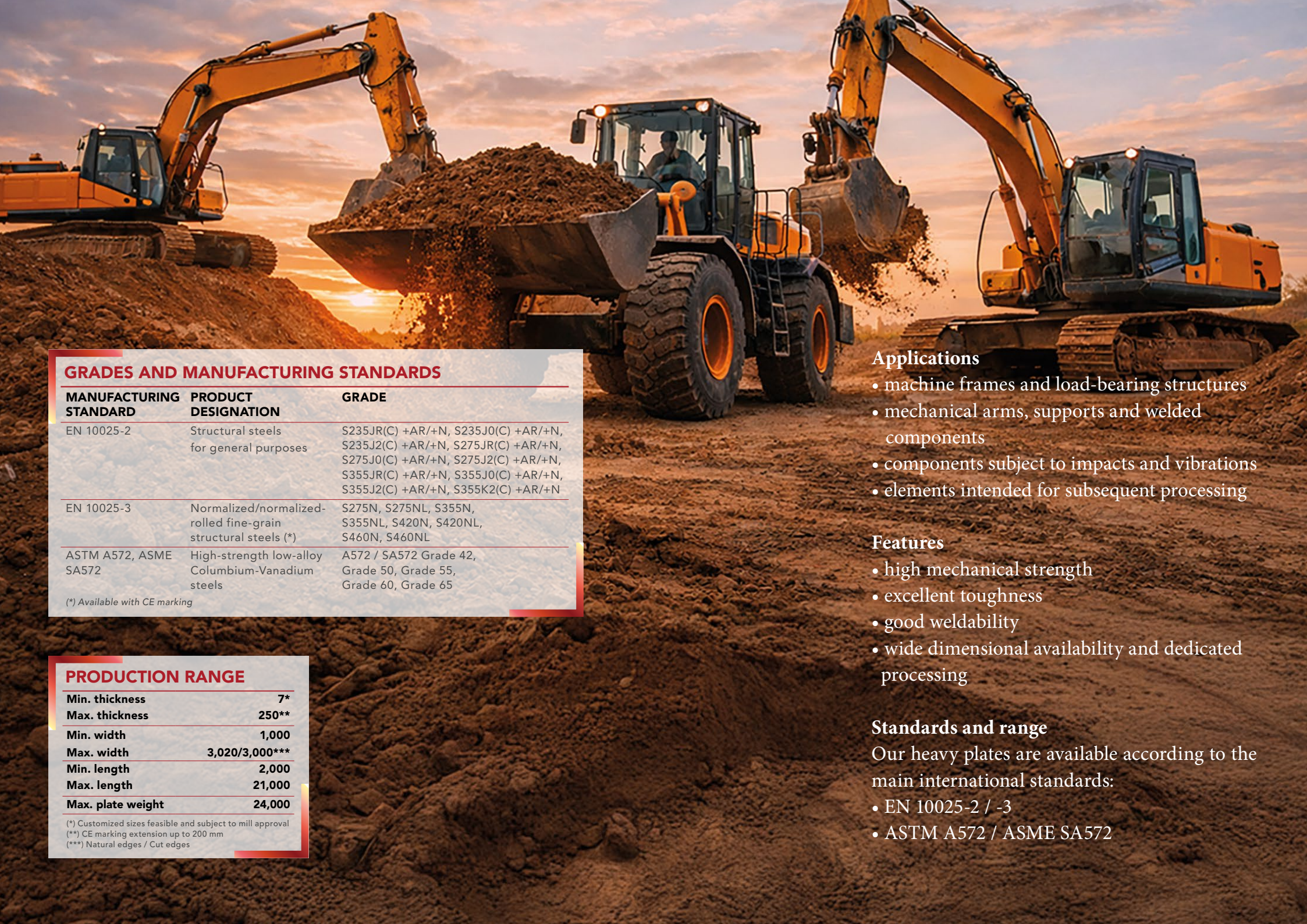
Steels according to **EN 10025-2** represent the most versatile base for structural components in earthmoving machinery. S235, S275 and S355 grades, in the main impact toughness classes, offer an effective combination of workability, weldability and strength for multiple structural configurations.

Steels according to **EN 10025-3**, weldable fine-grain steels in the normalized or normalized rolled condition, are suitable when the design requires greater uniformity, toughness and mechanical reliability, even under severe conditions.

### ASTM/ASME steels

The range also includes steels compliant with **ASTM / ASME** standards. In particular, **ASTM A572 / ASME SA572** is a high-strength low-alloy structural steel suitable for components requiring high load-bearing capacity, good weldability and reliability in service.





## GRADES AND MANUFACTURING STANDARDS

MANUFACTURING STANDARD	PRODUCT DESIGNATION	GRADE
EN 10025-2	Structural steels for general purposes	S235JR(C) +AR/+N, S235J0(C) +AR/+N, S235J2(C) +AR/+N, S275JR(C) +AR/+N, S275J0(C) +AR/+N, S275J2(C) +AR/+N, S355JR(C) +AR/+N, S355J0(C) +AR/+N, S355J2(C) +AR/+N, S355K2(C) +AR/+N
EN 10025-3	Normalized/normalized-rolled fine-grain structural steels (*)	S275N, S275NL, S355N, S355NL, S420N, S420NL, S460N, S460NL
ASTM A572, ASME SA572	High-strength low-alloy Columbium-Vanadium steels	A572 / SA572 Grade 42, Grade 50, Grade 55, Grade 60, Grade 65

(\*) 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

## Applications

- machine frames and load-bearing structures
- mechanical arms, supports and welded components
- components subject to impacts and vibrations
- elements intended for subsequent processing

## Features

- high mechanical strength
- excellent toughness
- good weldability
- wide dimensional availability and dedicated processing

## Standards and range

Our heavy plates are available according to the main international standards:

- EN 10025-2 / -3
- ASTM A572 / ASME SA572

Marcegaglia's expertise results in materials capable of ensuring **robustness, construction precision and operational continuity**, contributing to the production of reliable and high-performing machinery even under the most demanding service conditions.

# **MARCEGAGLIA** **PLATES**

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

