



ACEROS
ORMAZABAL

PRODUCT CATALOG

01. STRUCTURAL STEELS

These are a group of steels designed for building structures, machinery components, civil construction, etc. Their properties include high strength, high ductility, and good weldability.

Grades:

EN 10025-2 Non-alloy structural steels

S235JR / S235J0 / S235J2 / S275JR / S275J0 / S275J2

S355JR / S355J0 / S355J2 / S355K2 / S460JR / S460J0

S460J2 / S460K2

EN 10025-3 Weldable fine-grain structural steels in the normalized condition

S275N / S275NL / S355N / S355NL / S420N / S420NL

S460N / S460NL

EN 10025-4 Thermomechanically rolled weldable fine-grain structural steels

S275M / S275ML / S355M / S355ML / S420M / S420ML

S460M / S460ML / S500M / S500ML

EN 10025-6 High yield strength structural steels in the quenched and tempered condition

S460Q / S460QL / S460QL1 / S500Q / S500QL / S500QL1

S550Q / S550QL / S550QL1 / S620Q / S620QL / S620QL1

S690Q / S690QL / S690QL1 / S890Q / S890QL / S890QL1

S960Q / S960QL / S960QL1



02. HIGH YIELD STRENGTH AND LOW-ALLOY STEELS (HSLA STEELS)

High-strength low-alloy (HSLA) steels are fine-grain, microalloyed steels with low carbon content and added microalloying elements, which provide good properties for achieving high yield strengths.

They have good formability and are suitable for welding.

Grades:

EN 10149-2 Thermomechanically rolled steels

S315MC / S355MC / S420MC / S460MC / S500MC / S550MC

S600MC / S650MC / S700MC / S900MC / S960MC

EN 10149-3 Steels in the normalized or normalizing rolled condition

S260NC / S315NC / S355NC / S420NC

03. ABRASION-RESISTANT AND WEAR-RESISTANT STEELS

Abrasion- and impact-resistant steels are quenched steels that, due to their high hardness and superior mechanical properties, extend the service life of equipment.

Grades:

Wear-resistant steels are proprietary grades developed by each manufacturer, so prior consultation is required due to the specific characteristics of each brand.

Hardness:

HB - 400 / HB - 450 / HB - 500 / HB - 600



04. LOW-CARBON HOT-ROLLED STEELS FOR COLD FORMING (DEEP DRAWING STEELS)

Characteristics:

These steels are used for applications requiring medium to deep drawing. They also have good bending properties, good weldability, and high elongation.

Grades:

EN 10111 Continuously hot-rolled low-carbon steel strips for cold forming

DD11 / DD12 / DD13 / DD14

05. QUENCHED AND TEMPERED STEELS (BORON STEELS)

Alloy steels with a small percentage of boron, which provides high hardenability. These steels are soft in the supplied state, offering excellent formability before quenching, and achieve high wear resistance after heat treatment.

Grades:

EN ISO 683-2 Non-alloy steels for quenching and tempering

20MnB5 / 30MnB5 / 39MnB5 / 27MnCrB5-2 / 33MnCrB5-2 / 39MnCrB6-2

* Consult for other available grades



06. STRUCTURAL STEELS WITH ENHANCED ATMOSPHERIC CORROSION RESISTANCE (CORTEN STEELS)

These steels are designed to work in corrosive environments due to their chemical composition. Their specific chemical content allows them to withstand different environmental impacts. Over time, they develop a protective patina on the surface, which blocks or slows down corrosion.

Grades:

EN 10025-5 Structural steels with improved atmospheric corrosion resistance (Corten steel)

S235J0W / S235J2W / S355J0WP / S355J2WP / S355J0W / S355J2W

S355K2W

07. HIGH-CARBON STEELS

These steels contain more than 0.32% carbon, which makes them highly suitable for heat treatment, achieving high hardness.

Applications:

Agricultural machinery, tools, etc.

Grades:

EN ISO 683-1 Non-alloy steels for quenching and tempering

C35 / C40 / C45 / C55 / C60

* Consult for other available grades

08. STEELS FOR PRESSURE VESSELS AND BOILERS

These steels are characterized by their ability to withstand pressures at high, medium, and low temperatures.

They offer good weldability, excellent resilience, and good formability. They are suitable for normalizing and annealing treatments to relieve stress (treatments that neutralize local hardening caused by welding).

Grades:

EN 10028-2 Steels with specific properties for high temperatures

P235GH / P265GH / P295GH / P355GH / 16Mo3

EN 10028-3 Fine-grain steels in the normalized condition

P275NH / P275NL1 / P275NL2 / P355N / P355NH

P355NL1 / P355NL2 / P460NH / P460NL1 / P460NL2

EN 10028-4 Nickel-alloyed steels with low-temperature properties

EN 10028-5 Thermomechanically rolled fine-grain steels

P420M / P420ML

EN 10207 Simple pressure vessel steels

P235S / P265S / P275SL



09. HOT-ROLLED EMBOSSED ANTI-SLIP STEELS

These steels have a raised pattern on the surface, such as ribbed or teardrop designs, providing anti-slip properties in dry, oily, or wet conditions. Anti-slip steels are highly durable and impact-resistant.

Grades:

The standard covers all structural steel grades:

EN 10025-2 / EN 10025-3 / EN 10025-4 / EN 10025-5

10. INDUSTRIAL LASER STEEL

These are hot-rolled steels produced through a discontinuous process, with high thicknesses and special treatment for laser cutting.

We offer sheets with thicknesses ranging from 30mm to 50mm, with formats up to 2000mm in width and a maximum length of 8000mm.

Grades:

Industrial laser steel is manufactured in almost all grades; prior consultation is recommended. However, the most common grades are those within the EN 10025-2 standard.

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