



# Cold rolled and Annealed

## Coils and cut products

Hot rolled coils not intended directly for sale are processed in a cold rolling mill to undergo a further reduction in thickness and a “microstructural conditioning” by annealing which makes them suitable for more specific uses.

This product is marketed as “**cold**” for sectors of use such as **household appliances, drums, drawing, vitreous enamelling, magnetic, radiators, high proof strength**. The steels used to produce **cold coils** are generally Carbon-Manganese type (low carbon and ultra-low carbon), Micro-alloyed for HSLA and Interstitial Free (IF) steels for deep drawing.

The latter are steels with a very low carbon content, stabilized with titanium, suitable for very deep drawing. This feature is also guaranteed by low inclusions and impurities content.

These products show a yield strength ranging from 120 to 420 MPa and a tensile strength up to 590 MPa. Remarkable is the obtainable elongation using IF steels which, at its best, can reach and exceed 42%.

## Facilities

Production lines (nr.):	1
Production site:	Novi Ligure
Production capability (mt/year):	970.000

## Dimensional ranges

	Wide strips	Narrow strips	Cut sheets
Thickness (mm)	0,40 - 3,00	0,40 - 3,00	0,50 - 3,00
Width (mm)	830 - 1815	30 - 599	600 - 1815
Internal diameter (mm)	508 or 610	508 or 610	-
Length (mm)	-	-	500 - 6000

## Main reference quality standard

Applications	Standard	Steel grades
Low carbon steels for cold forming	EN 10130	DC01; DC03; DC04; DC06
Carbon steels for forging	SAE J403	1006; 1008; 1010
Steels for vitreous enamelling	EN 10209	DC01 EK; DC03 EK; DC04 EK; DC04 ED
Steels for general purposes, structural and drawing	ASTM A 1008M	CS type A - B - C; DS type A - B; DDS; SS Grade 30 - 33 - 40
High yield strength steels for cold forming	EN 10268	HC260 LA; HC300 LA; HC340 LA; HC380 LA; HC420 LA
Steels for radiators	Internal ADI standard	RDT-R
Steels for furniture pipes	Internal ADI standard	TMO315; TMO355
Low carbon steels for drums	Internal ADI standard	DC01 FUSTI; DC03 FUSTI
Magnetic uses in electric motors	Internal ADI standard	TRC-D
Low carbon steels for white goods	Internal ADI standard	DC01 ELDO; DC03 ELDO; DC04 ELDO
Automotive	Main automotive standards	

- On request, different qualities can be supplied with respect to the standards listed above or in accordance with the customer's technical specifications.

### Supply conditions:

- Surface quality MA or MB according EN 10130 or other international standards;
- Size and dimensional tolerances according to EN 10131 or other standards or agreed specifications. Tight ADI tolerances are also available;
- Technical documents according to EN 10204 (2.1, 2.2, 3.1) or ISO 10474.