

Cold Rolled Products



LIBERTY Galați
www.libertysteelgroup.com



MEMBER OF



Liberty Galați is the largest integrated steel plant in Romania located in the south-eastern part of the country and one of the European leading manufacturers of metallurgical products. The production facility is fully integrated starting from raw materials, sintering, blast furnace, steel shop, heavy plate

mills, hot strip mill, cold rolling complex, galvanizing & organic coating lines. The Cold Rolled material produced by Galați plant has a high quality and meets the increasing quality demands of the customer's needs.

Applications

Product widely used for:

- General industry
- Appliances
- Automotive



Production Range

Technical Delivery Conditions

- Chemical properties according to ordered standards or specifications.
- Sizes and Tolerances according to EN10131.
- Surface aspect and surface finish according EN10130.
- Trimmed edges
- Oiled

Dimensional capability

- Coil Weight: 3.0 – 17.5 tons
- Inner Coil Diameter: 610 mm
- Outside Coil Diameter max 1500 mm
- Bundle delivery in sheets max 5.0 tons, bundle delivery in slit coils max 7.0 tons

Packing

- C16** - domestic - VCI paper and Metallic edge protection + metallic straps; 2 CS + 3 RS
- CL6** - C16 With wooden cradle
- C24** - seaworthy export - Hardboard + VCI paper and Metallic edge protection + metallic straps ; 2 CS + 3 RS
- CM4** - C24 with wooden cradle
- C26** - seaworthy export special - Metallic box + VCI paper and Metallic edge protection + metallic straps; 2 CS + 3 RS
- CM6** - C26 with wooden cradle
- Note**
- CS** - Circumferential strap
- RS** - Radial strap

Quality Certificates

Mill's quality certificates shall be according to the material standards or customer specifications.
EN 10204 Certificate type 2.2; 3.1; 3.2 according to EN 10204.

Labeling

Plastic adhesive labels indicating:

- Made in Romania;
- Liberty logo;
- number of contract;
- size;
- standard;
- steel grade;
- coil number;
- heat number

Recommendation

The coils and sheets must be stored in clean, heated premises, which must be at least sufficiently ventilated to prevent moisture accumulation by capillarity (between sheets or coil laps), which would lead to corrosion, preferably with its packing, but no more than 6 months. Moreover, the storage temperature should be as constant as possible to avoid condensation. If storage at a low temperature cannot be avoided, the products must be warmed at about 20°C for 24 hours prior to processing.

We recommend material to be ordered with surface protection, to avoid rust formation. For material without surface protection the supplier cannot guarantee for no rust formation during transport and storage on client premises.

Equipment for coils handling should have a protective coating, e.g. sheathed non-metallic slings, and grips or C-hooks with a rubber or synthetic coating, and must be used with great care to avoid any hard impact that could mark the product.

Grades and standards

Steels for cold forming

Standard	Steel Grade	Main advantages
EN 10130	DC01; DC03; DC04	Excellent formability (deep drawing)

DC 01, DC 03

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.30–0.31	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.32–0.39	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.40–0.49	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.50–0.59	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.60–0.69	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.70–0.79	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.80–3.50	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
3.51–4.00	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

Standard feasibility range

Prior acceptance by the mill is mandatory

DC 04

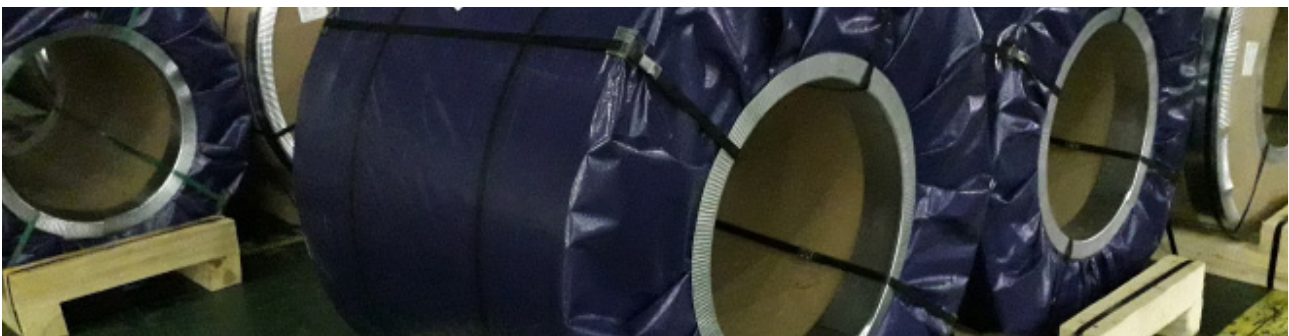
Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.33–0.39	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.40–0.49	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.50–0.59	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.60–0.69	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.70–0.79	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
0.80–3.50	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
3.51–4.00	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard

Standard feasibility range

Prior acceptance by the mill is mandatory



Grades and standards continued...

Steel for enameling

Standard	Steel Grade	Main advantages
EN 10209 Standard Galati	DC01EK; DC04EK; DC03EK	Ready for enameling

DC01EK; DC03EK; DC04EK

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.33 - 0.39													
0.40 - 0.49													
0.50 - 0.59													
0.60 - 0.69													
0.70 - 0.79													
0.80 - 3.50													
3.51 - 4.00													

Standard feasibility range

Prior acceptance by the mill is mandatory

Structural steels

Standard	Steel Grade	Main advantages
Standard Galati	DC01_DRUMS; HC220; DC01_CS; DC01 LOW S&P	Good weldability. Excellent strength.

DC01_DRUMS; HC220; DC01_CS; DC01 LOW S&P

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.50 - 0.59													
0.60 - 0.69													
0.70 - 0.79													
0.80 - 1.30													
1.31 - 3.50													

Standard feasibility range

Prior acceptance by the mill is mandatory

Grades and standards continued...

DC01_CS, DC01 LOW S&P

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.30 - 0.31													
0.32 - 0.39													
0.40 - 0.49													
0.50 - 0.59													
0.60 - 0.69													
0.70 - 0.79													
0.80 - 3.50													
3.51 - 4.00													

Standard feasibility range

Prior acceptance by the mill is mandatory

Cold rolled steel flat products with high yield strength for cold forming

Standard	Steel Grade	Main advantages
EN 10268	HC260LA; HC300LA; HC340LA; HC380LA	Excellent strength Combination of improved weldability and good formability

HC260LA, HC300LA, HC340LA

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.50 - 0.69													
0.70 - 1.19													
1.20 - 1.90													
1.91 - 3.00													

Standard feasibility range

Prior acceptance by the mill is mandatory

HC380LA

Thickness [mm]

Width [mm]

	800	875	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.50 - 0.69													
0.70 - 1.19													
1.20 - 1.90													
1.91 - 2.00													
2.01 - 3.00													

Standard feasibility range

Prior acceptance by the mill is mandatory

Grades and standards continued...

Full hard

Standard	Steel Grade	Main advantages
Standard Galati	SAE1012_FH_MPS; SAE1012_FH; RH20_FH; ST-K80_FH; ST-2K50_FH; ST-OK_FH; DC01RB_FH	Cold rolled full hard material to be used for further processing (galvanizing, annealing, other).

SAE1012_FH_MPS; SAE1012_FH; RH20_FH; ST-K80_FH; ST-2K50_FH; ST-OK_FH; DC01RB_FH

Thickness [mm]	Width [mm]													
	800	875	1000	1150	1200	1250	1280	1300	1350	1400	1450	1500	1525	1550
0.30 - 0.49														
0.50 - 0.59														
0.60 - 0.69														
0.70 - 0.79														
0.80 - 1.19														
1.20 - 1.50														
1.51 - 3.50														

Standard feasibility range

Prior acceptance by the mill is mandatory

Delivery in Sheets & Slit Coils

Delivery in sheets: max. 5.0 tons per bundle

Thickness [mm]	Width [mm]				Sheets Length [mm]	
	875	1000	1250	1500	min	max
0.30 - 0.39					1000	4500
0.40 - 0.69					1000	4500
0.7 - 1.20					1000	4500
1.21 - 3.50					1000	4500

Delivery in slit coils: max. 7.0 tons per bundle

Thickness [mm]	Width [mm]			
	80	100	200	735
0.39 - 0.79				
0.80 - 3.50				

Galati Management Systems Certifications



Current issue date: 12 March 2020
Expiry date: 12 March 2023
Certificate identity number: 15226471

Original approval(s):
ISO 9001 - 16 March 2011

Certificate of Approval

This is to certify that the Management System of:

LIBERTY GALATI S.A.

Str. Smardan, nr. 1, 800698 Galati, Romania

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 - 0027516

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

Development, production (including associated support processes) and delivery of sinter, hot iron, lime, liquid steel, continuous cast slabs, hot rolled plates, hot rolled and cold rolled strips and plates, pickled and oiled hot rolled strips, galvanized strips and plates, organic coated strips, energetic fluids, auxiliary products coming from the manufacturing flow. Port operator for: loading /unloading of ships, goods stowage and lashing, cleaning of holds and stores of ships.

Daniel Oliva Marcilio de Souza
Area Operations Manager - South Europe
Issued by: Lloyd's Register (Romania) (Srl)
for and on behalf of: Lloyd's Register Quality Assurance Limited



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Current issue date: 12 March 2020
Expiry date: 12 March 2023
Certificate identity number: 15226471

Original approval(s):
ISO 14001 - 16 March 2011

Certificate of Approval

This is to certify that the Management System of:

LIBERTY GALATI S.A.

1 Smardan St., 800698 Galati, Romania

has been approved by Lloyd's Register to the following standards:

ISO 14001:2015

Approval number(s): ISO 14001 - 0027517

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

On site activities including and associated with: Development, production (including associated support processes) and delivery of sinter, hot iron, lime, liquid steel, continuous cast slabs, hot rolled plates, hot rolled and cold rolled strips and plates, pickled and oiled hot rolled strips, galvanized strips and plates, organic coated strips, energetic fluids, auxiliary products coming from the manufacturing flow. Port operator for: loading /unloading of ships, goods stowage and lashing, cleaning of holds and stores of ships.

Daniel Oliva Marcilio de Souza
Area Operations Manager - South Europe
Issued by: Lloyd's Register (Romania) (Srl)
for and on behalf of: Lloyd's Register Quality Assurance Limited



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Current issue date: 16 September 2019
Expiry date: 11 March 2021
Certificate identity number: 10224292

Original approval(s):
OHSAS 18001 - 16 December 2009

Certificate of Approval

This is to certify that the Management System of:

LIBERTY GALATI S.A.

1 Smardan St., 800698 Galati, Romania

has been approved by Lloyd's Register to the following standards:

OHSAS 18001:2007

Approval number(s): OHSAS 18001 - 0027429

The scope of this approval is applicable to:

On-site activities including and associated with:
Manufacturing of casting, steel, cast slab, hot & cold rolled and plates.

Daniel Oliva Marcilio de Souza
Area Operations Manager - South Europe
Issued by: Lloyd's Register (Romania) (Srl)
for and on behalf of: Lloyd's Register Quality Assurance Limited



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Current issue date: 16 September 2019
Expiry date: 20 August 2021
Certificate identity number: 10224292

Original approval(s):
ISO 50001 - 26 November 2015

Certificate of Approval

This is to certify that the Management System of:

LIBERTY GALATI S.A.

1 Smardan St., 800698 Galati, Romania

has been approved by Lloyd's Register to the following standards:

ISO 50001:2011

Approval number(s): ISO 50001 - 0027293

The scope of this approval is applicable to:

Activities performed in the perimeter of Liberty Galati SA related with production of hot rolled heavy steel plates, hot rolled steel strips and sheets, cold rolled steel strips and sheets, galvanized steel strips and sheets.

Daniel Oliva Marcilio de Souza
Area Operations Manager - South Europe
Issued by: Lloyd's Register (Romania) (Srl)
for and on behalf of: Lloyd's Register Quality Assurance Limited



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Contact with the mill

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