Hot Rolled Pickled & Oiled Products



LIBERTY Galați www.libertysteelgroup.com



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.

Applications

Product widely used for:

- Industrial
- Automotive
- Gas Cylinders
- Structural

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 Pickled & Oiled material produced by Galati plant has a high quality and meets the increasing quality demands of the customer's needs.



Production Range

Technical Delivery Conditions

- Chemical and mechanical properties according to ordered standards or specification
- Sizes and Tolerances according to: EN10051
- Natural edges / Trimmed edges
- Oiled

Dimensional capability

Thickness: 1.5 – 6 mm
Width: 870 - 1500 mm
Coil Weight: 3.0 – 23.5 tons

• Inner Coil Diameter: 610mm / 750mm

 Outside Coil Diameter: max 2200 mm

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.

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 and heat identification 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 3 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

Steel for Cold Forming

Standard	Steel Grade	Main advantages
EN 10111	DD11, DD12, DD13, DD14	Excellent cold forming performance

DD11, DD12

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.40-1.49																	
1.50-1.70																	
1.71-1.79																	
1.80-1.99																	
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	
5.01-5.50																	
5.51-6.00																	

Standard feasibility range

Prior acceptance by the mill is mandatory

DD13, DD14 (Increased formability)

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	
5.01-5.50																	
5.51-6.00																	

Standard feasibility range

Structural Steels

Standard	Steel Grade	Main advantages
EN 10025-2	S185, S235, S275, S355	Good mechanical, properties, weldability and toughness

S235JR / J0 / J2/JRC / J0C / J2C

Thickness [mm]

Width [mm]

	870	900	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.50-1.70																
1.71-1.79																
1.80-1.99																
2.00-2.25																
2.26-2.49																
2.50-2.69																
2.70-2.79																
2.80-2.99																
3.00-5.00																
5.01-5.50																
5.51-6.00																

Standard feasibility range

Prior acceptance by the mill is mandatory

S275JR / J0 / J2 / JRC / J0C / J2C, S355JR / J0 / J2 / JRC / J0C / J2C, S355K2C+N-CL3

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.50-1.70																	
1.71-1.79																	
1.80-1.99																	
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	
5.01-5.50																	
5.51-6.00																	

Standard feasibility range

HSLA Steels

Standard	Steel Grade	Main advantages
EN 10149	S315MC, S355MC, S420MC, S460MC, S500MC	High strength, weight savings, good formability, good weldability, weight savings

S315MC; S355MC

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-3.49																	
3.50-3.99																	
4.00-5.00																	

Standard feasibility range

Prior acceptance by the mill is mandatory

S420MC

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-3.49																	
3.50-4.00																	
4.00-5.00																	

Standard feasibility range

S460MC

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
2.00-2.49																	
2.50-2.99																	
3.00-3.99																	
4.00-4.49																	
4.50-5.00																	

Standard feasibility range

Prior acceptance by the mill is mandatory

S500MC

Thickness [mm] Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
2.00-2.49																	
2.50-2.99																	
3.00-3.99																	
4.00-4.49																	
4.50-5.00																	

Standard feasibility range



Steels for Gas Cylinders

Standard	Steel Grade	Main advantages
EN 10120	P245NB, P265NB, P310NB	Good performance for deep drawing, very good weldability, post weld heat treatment possible.

P245NB

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.50-1.70																	
1.71-1.79																	
1.80-1.99																	
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	

Standard feasibility range

Prior acceptance by the mill is mandatory

P265NB, P310NB

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.80-1.99																	
2.00-2.09																	
2.10-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	

Standard feasibility range



Steel for Pressure Vessels - Elevated Temperature

Standard	Steel Grade	Main advantages
EN 10028	P235GH, P265GH, P295GH, P355GH	Material designed for boilers and similar applications.

P235GH

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.50-1.70																	
1.71-1.79																	
1.80-1.99																	
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	
5.01-5.50																	
5.51-6.00																	

Standard feasibility range

Prior acceptance by the mill is mandatory

P265GH

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.50-1.70																	
1.71-1.79																	
1.80-1.99																	
2.00-2.25																	
2.26-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	

Standard feasibility range

P295GH, P355GH

Thickness [mm]

Width [mm]

	870	900	1000	1050	1060	1100	1150	1170	1200	1250	1270	1300	1320	1350	1400	1420	1500
1.80-1.99																	
2.00-2.09																	
2.10-2.49																	
2.50-2.69																	
2.70-2.79																	
2.80-2.99																	
3.00-5.00																	

Standard feasibility range



Galati Management Systems Certifications



Contact with the mill

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