



TRAFILERIA LARIANA
Drawing Steels



TRAFILERIA LARIANA Drawing Steels

More than fifty years of history marked by steady growth since its founding in 1969 as a small-scale operation in Lecco, a region with a strong and long-standing steelworking tradition. Today, TRAFILERIA LARIANA Drawing Steels is a solid, advanced enterprise, able to meet the needs of a demanding market with professionalism.

Our production includes every type of drawn product with diameters ranging from 1.5 mm to 40 mm. In addition to standard formats, we manufacture square, hexagonal, and semi-round sections, custom-designed bars, and cut-to-length material according to client specifications.



WE PROVIDE THE COMPLETE PRODUCTION CYCLE FOR PRODUCT CREATION

The “production process” refers to one of the stages in the cycle of creating a product, during which it takes shape. These production processes-carefully monitored and state-of-the-art-transform raw materials, unfinished parts, or semi-finished goods into the final products.

PICKLING

Our production facility includes a fully automated chemical pickling, phosphating, and polymer lubrication system with constant treatment bath monitoring. Additionally, our roll-to-roll shot blasting and in-line blasting systems ensure perfect mechanical pickling.

ANNEALING

Our heat treatment plants operate continuously and consist of two furnaces and four 20-ton bases. This thermal process enables transformation treatments that remove hardening and enhance formability, performing stress free annealing and spheroidizing annealing.

DRAWING

We have 16 production lines for drawing in coils and bars, where every step is monitored in real time by operators and our production management system. This ensures high-quality products in wire for different applications, from automotive to furniture and fittings. We offer a full size range from 1.50 mm to 40 mm.



These products can be supplied, per customer request, after the following treatments: pickled or sandblasted, pickled and phosphated, or pickled, phosphated, and polymer-lubricated, in the following finishes:

- Hot-Rolled, Untreated (+U)
- Hot-Rolled, Globular Annealed (+U+AC)
- Cold Drawn from Quenched Wire Rod (+U+QT+C)
- Cold Drawn (+U+C)
- Cold Drawn from Globular Annealed Wire Rod (+U+AC+C)
- Cold Drawn One-Step Annealed (+U+C+AC+LC)
- Cold Drawn with Final Globular Annealing (+U+C+AC)

	COILS	BUNDLES 3000 / 6000 mm	TOLERANCES
ROUND ¹	mm 1,50 ÷ mm 40	mm 2 ÷ mm 16	h9 / h11
SQUARE	mm 2 ÷ mm 12	mm 2 ÷ mm 10	h9 / h11
FLAT	mm 3 ÷ mm 18	mm 3 ÷ mm 18	h9 / h11
HEXAGON	mm 2 ÷ mm 12	mm 3 ÷ mm 12	h9 / h11
SEMIROUND ²	mm 3 ÷ mm 12	mm 3 ÷ mm 12	h9 / h11
SPECIAL PROFILES	mm 1,50 ÷ mm 40	mm 2 ÷ mm 12	-

1) Cut on request from mm 300 ÷ mm 6000 - tol +1/-1 mm

2) Cut on request from mm 300 ÷ mm 6000 - tol -0/+30 mm



OUR PRODUCTS

TRAFILERIA LARIANA offers a wide range of high-quality drawn steels, construction steels, cold forming steels, free-cutting steels, and special high-carbon steels for industrial applications.

PACKAGING

Our drawn steel is packaged as follows:

- Coils: up to 2500 Kg
- Bundles: up to 1700 Kg
- Spools or Reels: 500 to 1800 Kg
- Bars: up to 2000 kg

QUALITY AND PRECISION ALWAYS BY YOUR SIDE.

COLD FORMING STEELS

Cold forming steels are iron alloys designed for high-precision processing at low temperatures. Their strength and ductility make them ideal for producing complex industrial components, ensuring long-lasting quality and durability.



Grade	Werk-stoff Nr.	%	C	Si	Mn	P	S	Cr	Mo	Ni	B	Al
C4C	1.0303	Min	0,02	-	0,25	-	-	-	-	-	-	0,02
		Max	0,06	0,10	0,40	0,020	0,025	-	-	-	-	0,06
C10C	1.0214	Min	0,08	-	0,30	-	-	-	-	-	-	0,02
		Max	0,12	0,10	0,50	0,025	0,025	-	-	-	-	0,06
C15E2C	1.1132	Min	0,13	-	0,60	-	-	-	-	-	-	0,02
		Max	0,17	0,10	0,90	0,025	0,025	-	-	-	-	0,06
C17E2C	1.1147	Min	0,15	-	0,30	-	-	-	-	-	-	-
		Max	0,19	0,30	0,50	0,025	0,025	-	-	-	-	-
C20C	1.0411	Min	0,18	-	0,70	-	-	-	-	-	-	0,02
		Max	0,22	0,10	0,90	0,025	0,025	-	-	-	-	0,06
17MnB5	-	Min	0,15	-	0,70	-	-	-	-	-	0,001	-
		Max	0,20	0,30	0,90	0,025	0,025	0,10	-	-	0,005	0,10
18B2	1.5503	Min	0,16	-	0,60	-	-	-	-	-	0,001	-
		Max	0,20	0,30	0,80	0,025	0,025	-	-	-	0,005	-
20MnB4	1.5525	Min	0,18	-	0,90	-	-	-	-	-	0,001	-
		Max	0,23	0,30	1,20	0,025	0,025	0,30	-	-	0,005	-
23MnB4	1.5535	Min	0,20	-	0,90	-	-	-	-	-	0,001	-
		Max	0,25	0,30	1,20	0,003	0,025	0,30	-	-	0,005	-
C26B	-	Min	0,24	-	0,80	-	-	0,10	-	-	0,001	0,02
		Max	0,27	0,25	0,95	0,030	0,020	0,20	-	-	0,005	0,05
30MnB4	1.5526	Min	0,27	-	0,80	-	-	-	-	-	0,001	-
		Max	0,32	0,30	1,10	0,025	0,025	0,30	-	-	0,005	-
32CrB4	1.7076	Min	0,30	-	0,60	-	-	0,90	-	-	0,001	-
		Max	0,34	0,30	0,90	0,003	0,025	1,20	-	-	0,005	-

Grade	Werk-stoff Nr.	%	C	Si	Mn	P	S	Cr	Mo	Ni	B	Al
35B2	1.5511	Min	0,32	-	0,50	-	-	-	-	-	0,001	0,02
		Max	0,39	0,40	0,80	0,030	0,035	-	-	-	0,005	-
38B2	1.5515	Min	0,35	-	0,15	-	-	-	-	-	0,001	-
		Max	0,40	0,30	0,90	0,025	0,025	0,30	-	-	0,005	-
37MnB5	1.5538	Min	0,35	-	1,15	-	-	-	-	-	0,001	-
		Max	0,40	0,30	1,45	0,025	0,025	0,30	-	-	0,005	-
16MnCr5	1.7131	Min	0,14	-	1,00	-	-	0,80	-	-	-	-
		Max	0,19	0,30	1,30	0,025	0,025	1,10	-	-	-	-
21CrMoV5.7	1.7709	Min	0,17	-	0,40	-	-	1,20	0,55	-	-	0,02
		Max	0,25	0,40	0,80	0,025	0,030	1,50	0,80	0,60	-	-
30MoB1	1.5408	Min	0,28	-	0,80	-	-	-	0,08	-	0,001	-
		Max	0,32	0,30	1,00	0,003	0,025	0,30	0,12	-	0,005	-
34Cr4	1.7033	Min	0,30	-	0,60	-	-	0,90	-	-	-	-
		Max	0,37	0,40	0,90	0,035	0,035	1,20	-	-	-	-
34CrMo4	1.7220	Min	0,30	-	0,60	-	-	0,90	0,15	-	-	-
		Max	0,37	0,40	0,90	0,035	0,035	1,20	0,30	-	-	-
39NiCrMo3	1.6510	Min	0,35	-	0,50	-	-	0,60	0,15	0,70	-	-
		Max	0,43	0,40	0,80	0,025	0,035	1,00	0,25	1,00	-	-
40CrMoV4.6	1.7711	Min	0,36	-	0,45	-	-	0,90	0,50	-	-	0,02
		Max	0,44	0,40	0,85	0,025	0,030	1,20	0,65	-	-	-
41Cr4	1.7035	Min	0,38	-	0,60	-	-	0,90	-	-	-	0,02
		Max	0,45	0,30	0,90	0,025	0,025	1,20	-	-	-	0,06
42CrMo4	1.7225	Min	0,38	0,00	0,60	-	-	0,90	0,15	-	-	-
		Max	0,45	0,40	0,90	0,035	0,035	1,20	0,30	-	-	-

FREE-CUTTING STEELS

Free-cutting steels are alloys specifically developed for high-speed processing on automatic machines. Featuring excellent machinability and smooth surface finishes, they are perfect for precision mechanical components.

Grade	Werk-stoff Nr.	%	C	Si	Mn	P	S	Cr	Mo	Pb	Ni	Al
11SMn30	1.0715	Min	-	-	0,90	-	0,270	-	-	-	-	-
		Max	0,14	0,05	1,30	0,100	0,330	-	-	-	-	-
11SMn37	1.0736	Min	-	-	1,00	-	0,340	-	-	-	-	-
		Max	0,14	0,05	1,50	0,100	0,400	-	-	-	-	-
11SMnPb30	1.0718	Min	-	-	1,00	-	0,270	-	-	0,20	-	-
		Max	0,14	0,05	1,30	0,100	0,330	-	-	0,35	-	-
11SMnPb37	1.0737	Min	-	-	1,00	-	0,340	-	-	0,20	-	-
		Max	0,14	0,05	1,50	0,100	0,400	-	-	0,35	-	-
C10Pb	1.0302	Min	0,07	-	0,30	-	-	-	-	0,15	-	-
		Max	0,13	0,40	0,60	0,045	0,045	-	-	0,35	-	-
C45R	1.1201	Min	0,42	0,15	0,60	-	0,020	-	-	0,20	-	-
		Max	0,48	0,40	0,80	0,030	0,040	0,40	0,10	0,35	0,40	-



SPECIAL HIGH-CARBON STEELS

Special high-carbon steels are robust and hard alloys designed for applications requiring high wear resistance and hardness. Ideal for cutting tools, springs, and components under heavy stress.

Grade	Werk-stoff Nr.	%	C	Si	Mn	P	S	Cr	Mo	Ni	B	Al
C48	1.1193	Min	0,45	0,15	0,50	-	-	-	-	-	-	0,02
		Max	0,52	0,40	0,80	0,035	0,035	0,40	0,10	-	-	0,05
C60	1.0601	Min	0,57	-	0,60	-	-	-	-	-	-	-
		Max	0,65	0,40	0,90	0,045	0,045	0,40	0,10	0,40	-	-
C72D	1.0617	Min	0,70	0,10	0,50	-	-	-	-	-	-	-
		Max	0,75	0,30	0,80	0,035	0,035	0,15	0,05	0,20	-	0,01
100Cr6	1.3505	Min	0,93	0,15	0,25	-	-	1,35	-	-	-	-
		Max	1,05	0,35	0,45	0,025	0,015	1,60	0,10	-	-	0,05

CONSTRUCTION STEELS

Construction steels are versatile and robust alloys, commonly used in mechanical and structural engineering. They provide good resistance to static stress and are adaptable for various applications and coating operations.

Grade	Werk-stoff Nr.	%	C	Si	Mn	P	S	Cr	Mo	Ni	B	Al
C4D	1.0300	Min	-	-	0,30	-	-	-	-	-	-	-
		Max	0,06	0,30	0,60	0,035	0,035	0,20	0,05	-	-	0,01
S235JR	1.0038	Min	-	-	-	-	-	-	-	-	-	-
		Max	0,17	-	1,40	0,035	0,035	-	-	-	-	-
S355JR	1.0045	Min	-	-	-	-	-	-	-	-	-	-
		Max	0,24	0,55	1,60	0,035	0,035	-	-	-	-	-
L37*	-	Min	0,02	-	0,20	-	-	-	-	-	0,004	-
		Max	0,06	0,10	0,45	0,025	0,035	0,10	0,05	0,10	0,010	0,06





QUALITY SYSTEM

Since 1995, TRAFILERIA LARIANA Drawing Steels has been ISO 9001 certified, among the first companies in its sector in the Lecco province. In 2024, the company also achieved ISO 14001 certification for Environmental Management.



The quality management system in TRAFILERIA LARIANA Drawing Steels ensures a high standard of operational excellence and environmental responsibility. ISO 9001 focuses on consistently meeting customer requirements and enhancing satisfaction through efficient processes, continual improvement, and effective leadership. Meanwhile, ISO 14001 emphasizes minimizing the environmental impact by managing resources sustainably, reducing waste, and complying with environmental regulations. Together, these certifications demonstrate the company's commitment to both quality and environmental stewardship.



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