

## Our sales network

With 40 sales offices in 40 different countries around the world, Industeel stands as one of the foremost international steel makers, with an unmatched capacity of support everywhere around the world.



### YOUR CONTACTS

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Special carbon and low alloy steel plate solutions for pressure equipment, pipes and storage tanks



Tailor-made solutions

# Your partner for your projects with stringent technical requirements

More than 150 years of experience of melting, casting, rolling and finishing special steel plates

Technical support for material selection and fabrication

The largest size range of plate products

Prefabrication: forming, bevelling, bending, painting, cutting

R&D fully dedicated to development and optimisation of Industeel products for your business

Certified to all major certification and quality systems

Thin plate (continous casting route) ▾



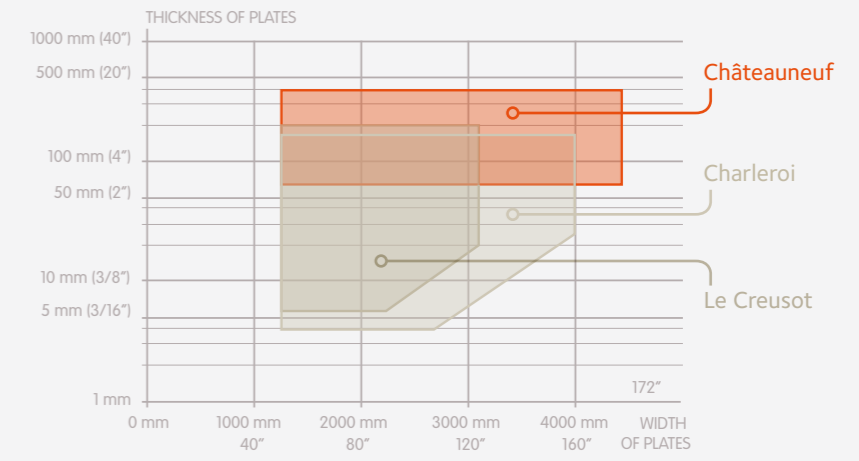
Technical assistance on welding ▾



Heavy plate (ingot route) ▾



Largest dimensional range worldwide for steels for pressure vessel fabrication



SPECIAL CARBON and LOW ALLOY STEEL PLATE SOLUTIONS for pressure equipment, pipes and storage tanks

Examples of APPLICATIONS

Table with columns: INDUSTRIAL TRADEMARKS, PLATES ASTM (OR ASME SA), UNS NUMBER, PLATES EN 10028 SERIES, MATERIAL NUMBER, FORGINGS ASTM (OR ASME SA), OTHER, CHEMICAL ANALYSIS (WEIGHT %), YIELD STRENGTH (MIN), ULTIMATE TENSILE STRENGTH, ADDITIONAL TRADEMARK FEATURES, DELIVERY PROGRAM, OIL & GAS, POWER GENERATION, STORAGE AND TRANSPORTATION. Rows include various steel grades like CromElso™, CarElso™, SuperElso™, and CryElso™.

NOTES (a) Indicative values of typical production. May vary according to thickness, standards and specific requirements. (b) Indicative limits of individual size features. Not always available together as thickness / width combinations, processing routes and weight limits may impose restrictions on dimensional capabilities. (c) Carbon Equivalent = C + Mn/6 + (Cr+Mo+V)/5 + (Cu+Ni)/15 [in weight-%] (d) J-factor (Watanabe) = (Si+Mn) x (P+S) x 10000 [in weight-%] (e) Indicated Carbon Equivalent limit may be higher in some cases. (f) SSC resistant grade according to NACE MR 0175 / ISO 15156 and NACE MR 0103 / ISO 17945. (g) HIC resistance is evaluated according to NACE TM 0284 using acidic solution A with acceptance on each individual specimen. (h) Range. Heat Treatment for delivery conditions: Where PWHT is indicated, Post Weld Heat Treatment is needed to confer the in-service properties and plate properties are tested in simulated PWHT condition. (i) Normalized (NT) normalized or normalized and tempered (NACT) normalized accelerated cooled, and tempered. As accelerated cooling is done by quenching, the NACT heat treatment condition is equivalent to QT. REMARKS Other grades and standards not illustrated on the above table can be available from Industeel on demand, typically: API 5L BNS, X70 and above, steels from ASTM/ASME A/SA 203, 204, 353, 455, 508, 515, 517, 537, 543, 612, 662, 737, 738, BS, EN 10028, JIS, MSS-SP-75, ... A steels are vacuum treated. All grades can be prefabricated in formed shells, heads or other shapes like discs, and delivered with edge bevel preparation or special surface conditioning. All grades can be delivered with roll-bonded cladding according to A/SA 263, 264 and 265. All information on this poster is indicative only. No guarantee is given as to the suitability of the information for specific cases. Please enquire for any question related to product capability. Industeel reserves the right to change its product range at any time without prior notice. © April 2016.