OIL AND GAS
APPLICATIONS
STAINLESS STEEL AND HIGH
NICKEL ALLOYS SEAMLESS
TUBULAR SOLUTIONS
The Tubacex Group has become one of the main suppliers of Seamless Stainless Steel and Nickel alloy tubes for the Oil & Gas industry. Our integrated production process is comprised of a steel making plant, 3 extrusion presses and more than 20 cold pilger mills and draw benches that allow us to supply tubes for different Top Side, Onshore and Upstream applications. The Oil & Gas industry is a keystone in the Tubacex strategy.

Our organization and investments are continuously being adapted to the growing hostile conditions that Companies of this sector are facing everyday. These new challenging corrosive environments and applications are driving us to implement in our mills the most advanced verification equipment and inspection procedures for the production and control of tubes for downhole, sub-sea, umbilical,... purposes.
The Widest Portfolio in Stainless Steel

**SOLUTIONS**

| Stainless Steel and High Nickel alloys bars and billets | ACERALAVA |
| Seamless Pipe and Tubes to 8” (extrusion, piercing, cold finishing) | TTI |
| Seamless Pipe and Tubes to 72” | SCHOELLER BLECKMANN |
| Fittings and special connections from ½” to 72” | SALEM TUBE |
| Stock, Service and Trading Value added operations | TUBACEX INDIA |
| | IBF |
| | TTA |
| | TSS |
| | TUBACEX Upstream Technologies |

**BUSINESS UNIT**

- **Stainless Steel and High Nickel alloys bars and billets**
  - ACERALAVA
- **Seamless Pipe and Tubes to 8” (extrusion, piercing, cold finishing)**
  - TTI
- **Seamless Pipe and Tubes to 72”**
  - SCHOELLER BLECKMANN
- **Fittings and special connections from ½” to 72”**
  - SALEM TUBE
- **Stock, Service and Trading Value added operations**
  - TUBACEX INDIA
  - IBF
  - TTA
  - TSS
  - TUBACEX Upstream Technologies

TUBACEX TUBOS INOXIDABLES - TTI leads the production of OCTG in the facilities located in the north of Spain, whilst SCHOELLER - BLECKMANN EDELSTAHLROHR develops the production of umbilicals in the facilities located close to Vienna - Austria.

Along with IBF, Salem Tube, Tubacex India and TTA, a wide range of products related to Oil & Gas applications is offered by The Tubacex Group.

These plants are supplied by the Group’s steel plant ACERÁLAVA, located in Spain, which offers a tailor made list of steels and nickel alloys and is able to offer exceptions over the standard. Tubacex’s metallurgical engineers are devoted to the development of sophisticated alloys capable of operating in the demanding environments of the future.

Tubacex brings the experience of a world leader in the manufacturing of stainless steel tubes and pipes; However a strong R&D effort is needed to fulfill future needs. In collaboration with our customer’s R&D and high reputed technical institutes, added value solutions have been incorporated to this challenging market.
Subsea Umbilicals Risers Flowlines

TUBACEX is present in the market of base tubular products for:

- Flowlines
- Risers
- Manifolds
- Jumper
- Loops
- Subsea umbilicals

Subsea umbilicals are control lines used in offshore wells where Christmas trees (an assembly of control valves, gauges and chokes that control oil and gas flow in a completed well) are installed on the ocean floor. Umbilicals make up part of Tubacex SURF package of tubular products for off-shore, which offer high resistance to sea water environments and to the fluids transmitted through the tubes. A key point in our strategy was to take the decision of making a huge investment in a state of the art new mill, fully dedicated to the production of umbilical tubing. This new production unit integrates the best available technologies and know-how for the production of the best quality product. Highly automatic facilities and a fully integrated traceability system contributes to a very costly efficient product.

Straight and coiled superduplex umbilical tubes - 3/8 to 4 inch I.D.
Duplex and Superduplex Stainless Steel up 72”

Platforms

Tubacex portfolio in Top Side – Platforms in the hardest environment (i.e. Artic Ocean) offers excellent mechanical properties and easy weldability:

- Piping Systems highly resistant to sea water corrosion
- Instrumentation and hydraulic tubing
- Process pipe
- Separators
- Excellent mechanical properties, Easy weldability.

Duplex and Superduplex Seamless Stainless Steel up to 72”

Petrochemical & Gas

Tubacex offers an extensive grade and size portfolio to achieve designers’ expectations regarding several areas & equipments in the petrochem industry:

- Regas Facilities
- Refineries
- Heat exchangers
- Reactors
- Heaters and reheaters
- Furnaces

Heat Resistant Austenitic Stainless steel and High Nickel Alloys up to 72”
Seamless Stainless Steel tubes supplied by Tubacex also offer clear applications in LNG Ships:

- GTL/LNG AND CRYOGENIC
- High pressure for gas compression units
- Process pipe
- Lines
- Cryogenic lines

Austenitic Stainless Steel 3 – 250 mm O.D.

Downhole casing and production tubing in CRA such as duplex stainless steels and nickel alloys are ideal to cope with the aggressive corrosion found in sour wells due to hydrogen sulphide, carbon dioxide and other chemicals. Predominantly, Tubacex’s downhole casing and production tubing is supplied in cold-worked condition to ensure high strength despite its low weight.

Tubacex tubes cover a wide range of applications:
- HP/HT
- Sour or wet gas
- Enhanced Oil Recovery
- Chlorides, Hydrogen sulphide, free sulphur ...
- Sandscreens
- High corrosion resistance
- Chemical injection

Dual-phase grades, superaustenitic and Ni-base grades guarantee an optimum performance for each well’s particular conditions and allows engineers and designers to have a perfect choice depending on the most severe conditions.

Duplex, Superduplex and high Nickel corrosion resistant alloys from 2 3/8 “to 9 5/8” O.D. Downhole equipment up to 72”

LNG Ships

Seamless Stainless Steel tubes supplied by Tubacex also offer clear applications in LNG Ships:
- GTL/LNG AND CRYOGENIC
- High pressure for gas compression units
- Process pipe
- Lines
- Cryogenic lines

Austenitic Stainless Steel 3 – 250 mm O.D.
TUBACEX TUBOS INOXIDABLES - TTI (Subsidiary of TUBACEX, S.A.) has been designated to develop and lead the production of this high quality product in the facilities located in the north of Spain. A key point in our OCTG strategy is the agreement with international technological players in this industry to consolidate our world presence and satisfy the growing Customer expectations.

Downhole casing and production tubing in CRA such as duplex stainless steels and nickel alloys are ideal to cope with the aggressive corrosion found in sour wells (due to hydrogen sulphide, carbon dioxide and other chemicals). Predominantly, Tubacex’s downhole casing and production tubing is supplied in cold-worked condition to ensure high strength despite its low weight.

### Grades and equivalences

<table>
<thead>
<tr>
<th>Material</th>
<th>UNS Number</th>
<th>ISO13680/API5CRA</th>
<th>CHEMISTRY</th>
<th>GRADE</th>
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<tr>
<td>TX-22</td>
<td>S31803</td>
<td>2</td>
<td>Ni 22-5-3</td>
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<tr>
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<td>S32750</td>
<td>2</td>
<td>Cr 25-7-6</td>
<td>Superduplex 80/125/140</td>
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<td>S32760</td>
<td>2</td>
<td>Mo 25-7-5</td>
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<td>N08535</td>
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<td>Cu 25-32-3</td>
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<td>Cr 20-54-9</td>
<td>Austenitic Ni 110/125</td>
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Size range goes from 2 3/8” to 9 5/8”

### Process

<table>
<thead>
<tr>
<th>STEEL MELTING SHOP</th>
<th>HOT EXTRUSION PLANT</th>
<th>COLD FINISHING PLANT</th>
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<tbody>
<tr>
<td>Scrap Yard</td>
<td>Steel Making</td>
<td>Hot Extrusion</td>
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<td></td>
<td></td>
<td>Hollow finishing</td>
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<td></td>
<td></td>
<td>Tubes release to cold finishing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cold rolling</td>
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<tr>
<td></td>
<td></td>
<td>Straightening</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Inspection &amp; testing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cutting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Packing &amp; Shipping</td>
</tr>
</tbody>
</table>

- Scrap, Ni, Cr, Mo...
- Electric Arc Furnace
- Argon Oxygen Decarbonation
- Forging-rolling
- Piercing press
- Extrusion press
- Water quenching
- Straightening
- Cutting
- Picciling - Pasivating
- Pilgering
- Straightening
- Non Destructive Testing (Inc. Hydrotesting)
- Visual inspection
- Mechanical & metalurgical testing
- Cutting
- Marking
- Final documentation
- Packaging
- Release
- Transportation

### Specific environment

- Carbon steel
- Carbon steel with Sour Service performances
- CRA usage
- Strong influence of chlorides, pH and material yield strength

### CRA tubings are used in designs with long life, high yield strenght requirements and in wells with the most severe corrosive environments
- High temperature
- High pressure of CO2 and/or H2S
- High chlorides content, low pH, presence of free Sulphur...
The group manufactures OCTG in the following dimensional range

- In 2013, a new finishing line exclusively devoted to OCTG production entered into operation in Tubacex Tubos Inoxidables. This state of the art line, along with the rest of Tubacex Group’s manufacturing capabilities, covers the following range:

### OCTG: TUBACEX MANUFACTURING RANGE

<table>
<thead>
<tr>
<th>STEEL</th>
<th>GRADE</th>
<th>2 3/8”-2 7/8”</th>
<th>3 1/2”-4 1/2”</th>
<th>5”-5 1/2”</th>
<th>6 5/8”-7”</th>
<th>7 5/8”-7 3/4”</th>
<th>8 5/8”-9 5/8”</th>
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<tr>
<td>22Cr</td>
<td>65</td>
<td>R3</td>
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<td>110</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2</td>
<td>R3</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2/R3</td>
<td>R3</td>
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<td>25Cr</td>
<td>80</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2</td>
<td>R3</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2/R3</td>
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<td>R3</td>
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<td></td>
<td>140</td>
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<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2/R3</td>
<td>R3</td>
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<tr>
<td>825</td>
<td>110</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R3</td>
<td>R2/R3</td>
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<tr>
<td>G3</td>
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<td>R3</td>
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<td>R3</td>
<td>R3</td>
<td>R2/R3</td>
<td>R3</td>
</tr>
</tbody>
</table>

* R2/R3 depending on wall thickness.

### R&D&I

Our products, processes and quality systems are qualified by the most strict Oil&Gas Operators and approved as per ISO 13680, API Q1, API 5CRA...

Thanks to our own in-house laboratories and research centers located in Spain, Austria, Italy, USA and to the collaboration with our Customers, EPCs, End-users and other research centers, Tubacex is able to provide:

- Tailor made solutions for special applications.
- Finite Element Analysis.
- Active presence at the main technological forums.
- Technical advice for material selection.
- Well environment laboratory testing.
- Failure analysis capabilities.
- Integrated manufacturing.
- Production localization.
### Materials Selection

Subsea umbilicals are control lines used in offshore wells where Christmas trees (an assembly of control valves, gauges and chokes that control oil and gas flow in a completed well) are installed on the ocean floor. Umbilicals make up part of Tubacex SURF (Subsea Umbilicals, Risers jumpers, manifolds, loops and Flowlines) package of tubular products for offshore resistant to sea water environments and fluids transmitted through the tubes and with high corrosion resistance to sea water.

For the past years almost any Subsea oil production system in the world utilized Super duplex steel within their umbilical tubes, due to high corrosion resistance in sea water, excellent mechanical properties and resistance and durability. Two superduplex grades are available.

<table>
<thead>
<tr>
<th>UNS</th>
<th>C Max</th>
<th>Si Max</th>
<th>Mn Max</th>
<th>P Max</th>
<th>S Max</th>
<th>Cr Max</th>
<th>Ni Max</th>
<th>Mo Max</th>
<th>Cu Max</th>
<th>N Max</th>
<th>W Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>S32750</td>
<td>0.030</td>
<td>0.75</td>
<td>1.00</td>
<td>0.035</td>
<td>0.003</td>
<td>24.0-26.0</td>
<td>6.0-8.0</td>
<td>3.5-5.0</td>
<td>0.5</td>
<td>0.24-0.31</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: The above chemical composition is based on ASTM standards. Special requirements for chemical composition can be met, subject to agreement.

This material offer excellent anti-corrosion properties. Pitting Resistance Equivalent according to customer requirements and calculated as per:

\[
\text{PREN} = \%\text{Cr} + (3.3 \times \%\text{Mo}) + (16 \times \%\text{N}).
\]

\[
\text{PREW} = \%\text{Cr} + 3.3 \times (\%\text{Mo} + 0.5 \times \%\text{W}) + (16 \times \%\text{N})
\]

### Process

**QUALITY**

- On line NDT (UT, EC, OD/WT)
- Bar coding
- On line sigma phase detection
- PMI testing
- Visual Inspection
- Mechanical testing
- Corrosion testing
- Test results
- SBER tubes certificate
- Release note
- WPS & WPQR
- Production test welds
- Radiography X ray
- Pressure testing
- Flushing & Cleanliness Check
- Drying out (dew point)
- Final documentation
- Packaging
- Release
- Transportation

**SAFETY**

- Hollows inspection
- Cold pilgering
- Degrasing and cleaning
- Cleanliness Check
- Parameters monitoring
- Straightening
- OD Polishing
- Bar code Marking
- Straight tubes release
- Joint welding
- Coiling
- Packing & Shipping

**In House**

- Moisture test
- Cleanliness check
- Parameters monitoring
- Straightening
- OD Polishing
- Bar code Marking
- Test results
- SBER tubes certificate
- Release note
- WPS & WPQR
- Production test welds
- Radiography X ray
- Pressure testing
- Flushing & Cleanliness Check
- Drying out (dew point)
- Final documentation
- Packaging
- Release
- Transportation

**SUBSEA UMBILICALS: TUBACEX MANUFACTURING RANGE**

**SUPERDUPLEX STAINLESS STEEL - ID FROM 3/8 TO 4 INCH**

<table>
<thead>
<tr>
<th>Production Unit</th>
<th>Tubacex, Spain</th>
<th>SBER, Austria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel grade</td>
<td>UNS S32750</td>
<td>UNS S32750</td>
</tr>
<tr>
<td>Tubes finish</td>
<td>Straight</td>
<td>Straight or Coiled</td>
</tr>
</tbody>
</table>

Special demands upon request.
Traceability

Traceability is important to us. Each product that leaves our tube factory in Ternitz is provided with a works certificate (company certificate), which is presented to the customer upon delivery. This ensures that the quality-controlled production at SBER is traceable for each customer.

Quality

SCHOELLER-BLECKMANN EDELSTAHLROHR manufacturing processes are designed to ensure maximum quality within the production of its seamless grades of umbilical tubes, with particular focus in the heat treatment process. Non Destructive Testing is used along the total length of all produced tubes. The company holds several approvals as a manufacturer of seamless tube and pipe, and can deliver tubular products in accordance with most international standards. Below are some examples.

Quality management

- ASME / NCA-3800
- ISO 9001:2008

Approvals
(some examples)

- NORSOK M-650
- ISO 17025 for laboratories
- PED 97/23/EC
- Approved manufacturer status from TÜV Lloyd’s register, DNV, Germanischer Lloyd, BV, etc.
- IBR well-known steel maker
- AD2000, werkblatt WO

Product Standards (some examples)

- ISO/DIS 13628-5
- ASTM A789
- ASTM A1016
- ANST SNT-TC-1A
- NAS 1638
- ASME BPVC Section V and Section IX
- ASME B31.3
- SAE AS 4059
The Tubacex Group has an extensive manufacturing programme for seamless stainless tubular products covering most dimensions and grades required by the Oil&Gas Industry.

Overall Range

The Tubacex Group has an extensive manufacturing program covering most dimensions requested by the industry:

- Our steel melting shop Aceralava produces bars and billets up to 20”.
- Mills located in Europe, USA and Asia enable us to produce tubes and pipes from 3mm OD to 72”.
- Austenitic tubes and pipes are produced in accordance with ASTM Standard, ASME Code and Euronorm Standards, fulfilling the main specifications.
- Tubes can be supplied in random lengths, multiple lengths, fixed lengths as well as U-tubes.
- Coiling available for umbilical application.
- Tubacex also produces Fittings from ½” (5S) to 72” (no WT limitation).

As lengths or dimensions differ according to grade, size and finish, detailed information can be provided upon request. Specific needs will also be studied at the customer’s request.

### ASTM A 312

<table>
<thead>
<tr>
<th>OD</th>
<th>Inch</th>
<th>mm</th>
<th>WT</th>
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<tbody>
<tr>
<td>0.125</td>
<td>0,32</td>
<td>3,2</td>
<td>0,5</td>
</tr>
<tr>
<td>0.75</td>
<td>1,92</td>
<td>19,05</td>
<td>1,65</td>
</tr>
<tr>
<td>0.984</td>
<td>2,5</td>
<td>25</td>
<td>2,5</td>
</tr>
<tr>
<td>1”1/2</td>
<td>48,3</td>
<td>160</td>
<td>25,4</td>
</tr>
<tr>
<td>3”</td>
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<td>72”</td>
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<td>160</td>
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*Simplified reference table. Ask for details.
### Stainless Steel Grades

<table>
<thead>
<tr>
<th>ASTM</th>
<th>WNr</th>
<th>AFNOR</th>
<th>C max*</th>
<th>Cr</th>
<th>Ni</th>
<th>Mo</th>
<th>Other</th>
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<tbody>
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<td>8/11</td>
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<td>10/12</td>
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<tr>
<td>304 H</td>
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<td>18/20</td>
<td>8/11</td>
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<td>321</td>
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<td>9/12</td>
<td>5 C ≤ Ti ≤ 0,60</td>
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<td>321 H</td>
<td>TU Z 6 CNT 18-12 B</td>
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<td>17/20</td>
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<td>4 C ≤ Ti ≤ 0,60</td>
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<tr>
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<td>TU Z 6 CNNb 18-10</td>
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<td>17/19</td>
<td>9/12</td>
<td>10 C ≤ Nb ≤ 1,0</td>
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<td>17/20</td>
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<td>316 Ti</td>
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<td>TU Z 6 CNDT 17-12</td>
<td>0,08</td>
<td>16,5/18,5</td>
<td>10,5/13,5</td>
<td>2/2,5</td>
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<tr>
<td>(316 L)</td>
<td>1.4435</td>
<td>TU Z 2 CND 17-13</td>
<td>0,03</td>
<td>17/18,5</td>
<td>12,5/15</td>
<td>2,5/3</td>
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<tr>
<td>(316)</td>
<td>1.4436</td>
<td>TU Z 6 CND 17-12</td>
<td>0,07</td>
<td>16,5/18,5</td>
<td>11/14</td>
<td>2,5/3</td>
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<td>16/18</td>
<td>11/13</td>
<td>2/2,5</td>
<td>10 C ≤ Nb ≤ 1,0</td>
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<tr>
<td>316 N/316 LN</td>
<td>0,03</td>
<td>16/18</td>
<td>11/14</td>
<td>2/3</td>
<td>No ≤ 0,10/0,16</td>
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<tr>
<td>316 L urea</td>
<td>0,03</td>
<td>17/18</td>
<td>13/15</td>
<td>2/3</td>
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<tr>
<td>317</td>
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<td>0,08</td>
<td>18/20</td>
<td>11/15</td>
<td>3/4</td>
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<td>1.4438</td>
<td>TU Z 2 CND 19-15</td>
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<td>18/20</td>
<td>11/15</td>
<td>3/4</td>
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<tr>
<td>309 S/309 H</td>
<td>1.4833</td>
<td>TU Z 12 CN 24-12</td>
<td>0,08</td>
<td>22/24</td>
<td>12/15</td>
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<td>310 S/310 H</td>
<td>1.4845</td>
<td>TU Z 12 CN 25-20</td>
<td>0,08</td>
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<td>19/22</td>
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<td>310 MoLN</td>
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<td>TU Z 12 CND 25-06-0 Az</td>
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<td>24/26</td>
<td>21/23</td>
<td>2/2,5</td>
<td>No ≤ 0,10/0,15</td>
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<td>TU Z 17 CNS 20-12</td>
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<td>19/21</td>
<td>11/13</td>
<td>Si 1,5/2,5</td>
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<td>19/21</td>
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<td>6/8</td>
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<td>N 0,2/0,1</td>
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<td>Cu 1,2/0,2</td>
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<td>800-H-HT</td>
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<td>Al &amp; Ti 0,15/0,60</td>
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<td>UNS N08020</td>
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<td>UNS N08028</td>
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<td>6,5/8,0</td>
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</tr>
</tbody>
</table>

* Maximum unless otherwise indicated

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**Austenitic**

From our steel plant Aceralava (spain) we offer a tailor made list of steels. Our metalurgical engineers are devoted to the development of sophisticated steels capable of operating in the demanding environments of the future.

In addition to these standards, Tubacex’s capabilities include a wide range of stainless steel and high nickel alloy grades to complement all the needs of our customers.

---

**High Nickel**

In addition to these standards, Tubacex’s capabilities include a wide range of stainless steel and high nickel alloy grades to complement all the needs of our customers.

---

**Other**

AFNOR

WNr

ASTM

Cr Ni Mo Other

Improved Machinability Available

MECATEX
Tubacex Group holds several approvals as a manufacturer of seamless tube and pipe, and can deliver tubular products in accordance with most international standards.

**Management system certificates**

ISO 9001
API Q1
API 5 CRA

**Approvals and other certifications**

Approved manufacturer according to TÜV, Lloyd’s register, DNV, Germanischer Lloyd's, BV, Norsok etc.
PED 97/23/EC
AD2000, werkblatt W0
JIS Mark scheme
ASME Quality system as material organization for ferrous and non ferrous material

* Not valid for all production units. Please contact your local sales office for detailed information.

**Safety and environmental responsibility**

Tubacex Group is highly engaged with the environment and it is ISO 14001 certified. Additionally Occupational health and Safety is also a key element of our culture. The company is OHSAS 18.001 certified.
Currently the Tubacex Group is exporting into more than 100 countries worldwide from its manufacturing sites and warehouses. The company has 15 commercial offices and a wide network of agents in several countries that lead to a global presence.

**MANUFACTURING COMPANIES**

- **Acería de Álava, S.A.**
  STEEL MELTING SHOP
  Amurrio. SPAIN

- **Tubacex Tubos Inoxidables, S.A.**
  HOT EXTRUSION PLANT
  Llodio. SPAIN
  COLD FINISHING PLANT
  OCTG FINISHING PLANT
  Amurrio. SPAIN

- **Schoeller Bleckmann Edelstahlrohr, GmbH**
  COLD FINISHING PLANT
  HOT EXTRUSION PLANT
  SPECIAL TUBE PLANT
  Ternitz. AUSTRIA

- **Tubacex America, Inc. / TSS Houston**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Houston. UNITED STATES

- **Tubacex Prakash**
  COLD FINISHING PLANT
  Umbergaon. INDIA

- **Tubacex Awaji**
  STAINLESS FITTINGS
  Amphur Muang-Samutprakarn. THAILAND

- **Tubacex Services, S.L.**
  TUBE FINISHING SERVICES
  Santander. SPAIN

- **TSS Central Europe**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Ternitz. AUSTRIA

- **TSS Brasil**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Sao Paolo. BRAZIL

- **TSS India**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Gandhidham. INDIA

- **TSS Middle East**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Dubai. UAE

- **Tubacex Upstream Technologies**
  OCTG Premium solutions
  Leioa. SPAIN

**SERVICE & DISTRIBUTION COMPANIES**

- **Tubacex Service Solutions, S.A.**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Amurrio. SPAIN

- **Tubacex Service Solutions, S.A.**
  STAINLESS STEEL LONG PRODUCTS DISTRIBUTION
  Amurrio. SPAIN

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  Houston. UNITED STATES

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  Satolas & Bonce. FRANCE

- **Tubos Mecánicos, S.A.**
  CARBON & ALLOYED MECHANICAL TUBING DISTRIBUTION
  Barcelona. SPAIN

- **IBF, S.p.a.**
  TUBES DIVISION
  Vituone - Milano. ITALY
  FITTINGS DIVISION
  San Nicolò - Piacenza. ITALY

- **Tubacex Taylor Accesorios, S.A.**
  BUTT WELDING FITTINGS
  Arteniega. SPAIN

- **Tubacex Tube, Inc.**
  COLD FINISHING PLANT
  Greenville. PA. USA

- **Tubacex Awaji**
  STAINLESS FITTINGS
  Amphur Muang-Samutprakarn. THAILAND
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