

**Our know-how**

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- Pipe hangers, pipe brackets, hooks for furnaces, T-parts, Y-parts and pumps.
- Outlet and inlet manifolds,...
- **Applications:**
  - Vapour cracking, ammonia production, convection ovens, direct-reduced iron (DRI), ethylene pyrolysis, hydrogen production, methanol production.
- **Materials manufactured:**
  - Nickel-based materials, high-chrome refractory materials, cobalt-based steels such as HU, HT, HK, HP, HW, 50Cr/50Ni, 1,4865, 1,4849, 1,4848, 1,4410, 1,4059, 1,4841, 1,4845, 1,4852,...
  - duplex Steel: Within the austenitic-ferritic family, the feature that makes this steel stand out is its high mechanical qualities, and although its origins date back quite a few years, it is still a highly innovative material in many industries. Its recent development has involved the oil exploitation in the northern seas, where the service conditions require the use of a material of this kind. As a steel with stainless and nickel-based properties, this material is noted for its Cr (20-25%) and nickel (4-9%) levels. Its main special properties are:
    - Corrosion resistance in atmospheres high in chlorine or fluoride compounds or environments which contain sulphuric or phosphoric acids, etc.
    - Abrasion resistance, making it more attractive for moving machinery.
    - Mechanical resistance which makes it interesting for high pressure equipment.
    - Standards: ANSI, ASTM, ASME, DIN, GB



- **Quality controls:**
  - We have all the necessary facilities for the following inspections:
    - Chemical Analysis
    - Dimensional Analysis
  - Testing of mechanical characteristics
  - Pressure testing
  - Ultrasound, X-rays, Magnetic particles
- Certificates: Material certificate 3,1B, SGS certificate