



STAINLESS STEEL CASTINGS
NICKEL STEEL ALLOYS
CENTRICAST AND MECHANICAL TUBES

ROLLS FOR STEEL MILLS

Our Company produces finish assembled rolls and parts of them for all type of steel mill and metallurgical applications. They are realized joining our production of centricast (horizontal and vertical technologies) central pipes with sand cast lateral parts.

Dimensional capabilities

Pipes can be centrifugally cast between 90 and 1200mm OD, 45 and 1150mm ID, lengths up to 4700mm, raw weight before machining up to 5000 Kgs. Sand cast parts, produced through pouring into organic mixed sand moulds, can reach unitary weights of 7500 Kgs.

Fabrication (if requested) is realized through qualified welding processes and all type of finish machining can be provided on such rolls. We can also supply only single roll parts with a complete material certification.

Alloys

All high temperature resistant materials can be provided, as better indicated in our web www.fondinox.com // Alloys // Heat resistant alloys. All families of heat resistant alloys can be produced (FeCr, FeCrNi, FeNiCr, Ni and Co base). In web also typical creep data can be found for high temperatures, such as also physical properties.

Tests and inspections

All most updated NDE inspections can be done on our rolls (LP/UT/ XRay). All type of destructive tests can be performed in our lab. Long time creep tests can also be handled.

Design and co-design of rolls

Our technical office is in condition to mechanically design from a dimensional point of view all type of rolls, starting from customer drawings and material properties. This is an important issue, in order to optimize performances and to minimize overall costs.

Applications

We normally produce rolls for:

Continuous heat treatment furnaces

Colis annealing furnaces

Wet and dry rolls for tunnel furnaces

Hot rolling mill furnaces

Continuous cast furnaces

Hot dip galvanizing furnaces

Electro galvanizing furnaces

Radiant tubes



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