



REINOSA
Forgings
Castings

FLUID ENDS & FRAC BLOCKS



MELT SHOP

Highlights:

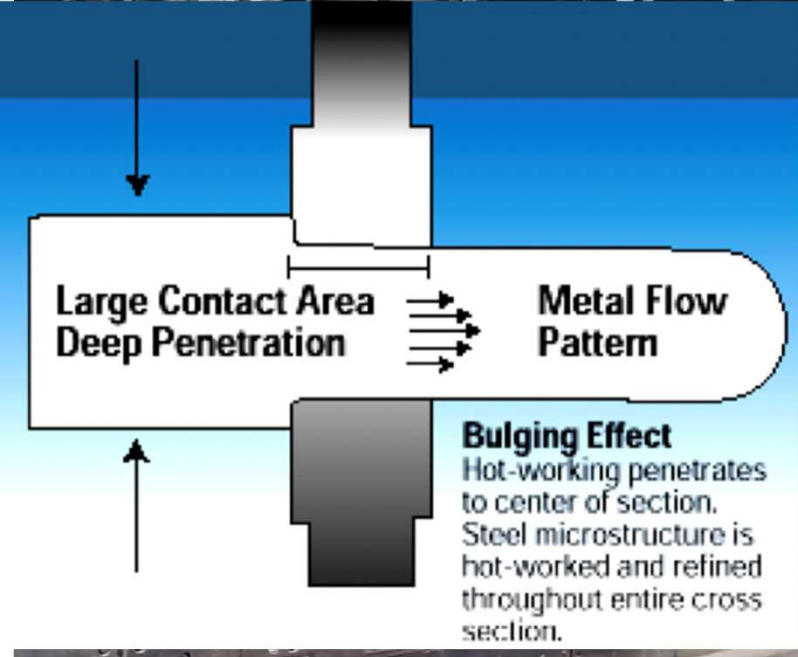
- 90 T/ Heat Electric Arc Furnace
 - Buckets/ Heat: 2- 3 Charges
 - Up to 240 Tons
 - Shell Diameter
Height: 5486 mm x
3015 mm
 - Tapping: EBT
- Refining Station LF
- Vacuum Degassing Unit (VAD)
- Capacity: 75 T/ Heat & 54 - 150 Tons
- Bottom Poured Ingots:
 - 2. 7 - 150 Tons (Po ly g o n al & Ro und)
- Vacuum System:
 - VD B: 4 x Steam Ejectors
 - VB A: 4 x Steam Ejectors
 - 3 x Water Ring Pumps



FORGE SHOP

Highlights:

- 3 Presses:
 - 8000 Ton, 3000 Ton & 2000 Ton
- Computer Assisted Control
- Rail Bound Manipulators on All Presses
- Heating Furnaces & Auxiliary Systems
- Forgings:
 - Ingots: 2.7 - 150 Tons (Polygonal & Round)
 - Forgings: 3 - 70 Ton; \varnothing Max: 3.7M; 18 M Long
 - Castings: 5 - 140 Ton; \varnothing Max: 8.0M



Manufacturing Capabilities

Frack Blocks/Fluid Ends

Grades:

Alloy Steel – 4330, 4330 modified

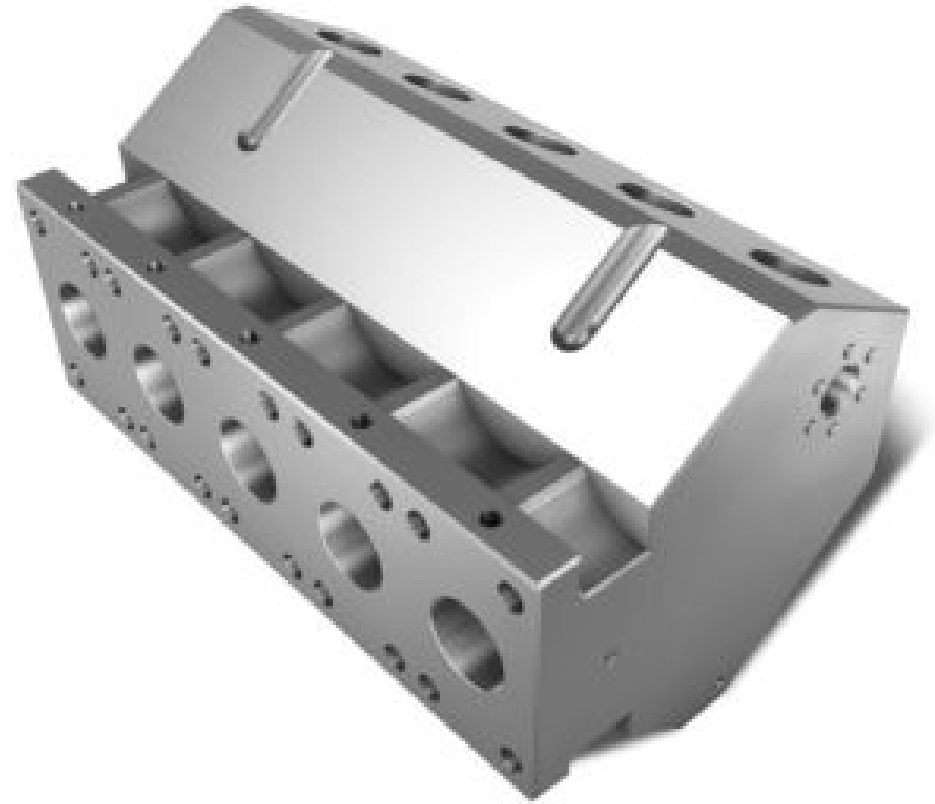
Stainless Steel – 17-4 PH, 15-5 PH

Heat Treat:

Liquid and Air Quench

Machining:

Full machining capability– can provide rough machined or fully machined



R&D Laboratory to Support Research Activities Along the Whole Production Chain

STEELMAKING

METALWORKING

PRODUCT



INDUCTION VACUUM
MELTING & CASTING FURNACE



THERMAL-MECHANICAL
SIMULATOR



FATIGUE TESTING



FIELD EMISSION
ELECTRON MICROSCOPE



DILATOMETER



OPTO-DIGITAL
MICROSCOPES