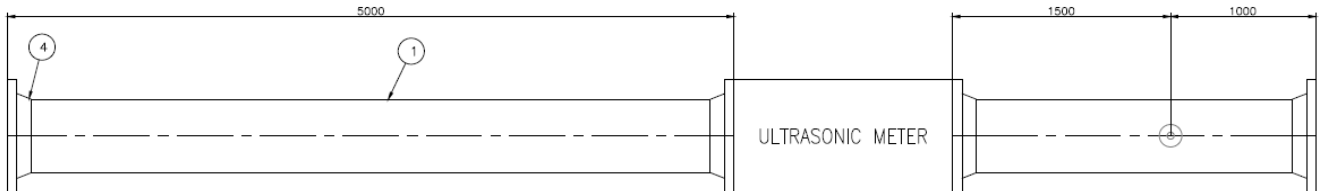


## 20" SPOOLS FABRICATION

### STEP 1 - Situation

Client requested to fabricate in our workshop in Lisbon two 20" spools.



### STEP 2 - Challenges

- Rules requirements and approvals.
- Perform the work in a reduced time frame with quality.

### STEP 3 – Action

- Procurement of fabrication certificated materials.
- Prepare all Welding Procedures and Welders Qualifications to class approval.
- Prepare workshop to receive all material in accordance to design and fabrication specification.
- Fabrication in our workshop in Lisbon.
- Quality control and pressure tests.
- Packing and delivery.



*Spools and componentes*



*Spools assembled for pressure testing*

### STEP 4 – Result

- Class approved.
- Delivered on time.
- High quality product guaranteed.
- Client satisfaction.
- Contractor as submitted more orders.



*Paint thickness measurement*



*Pressure test*



*Spools packing*



*Roughness measurement*



*Spools after painting test*