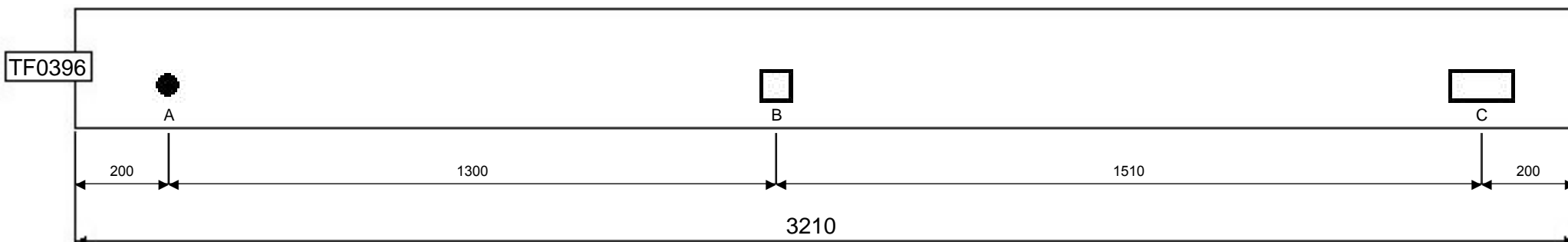


Tubo patrón número  
Reference standard #

**TF0396**

### Datos del Producto Product Information

|                                |      |                                       |        |                                   |       |
|--------------------------------|------|---------------------------------------|--------|-----------------------------------|-------|
| Diametro [mm]<br>Diameter      | 33,4 | Cliente<br>Client                     | ARAMCO | Ciclo<br>Product                  | 60508 |
| Espesor [mm]<br>Wall Thickness | 4,5  | Tratamiento Termico<br>Heat Treatment | NO     | Colada<br>Heat                    | 38051 |
| Trazabilidad<br>Traceability   | 0    |                                       |        | Expediente<br>Manufacturing Order |       |



Valores Pedidos / Requested Values

Valores Medidos / Measured Values

| Posicion<br>Position | Tipo de Notch<br>Notch Type             | Ancho / Diam<br>Max [mm]<br>Max Width / Diam | Profundidad<br>Nominal [%]<br>Depth | Tolerancia<br>[%]<br>Tolerance | Profundidad<br>Maxima [mm]<br>Max Depth | Profundidad<br>Minima [mm]<br>Min Depth | Profundidad<br>Nominal [mm]<br>Nom Depth | Longitud<br>Maxima [mm]<br>Max Length | Longitud<br>[mm]<br>Length | Profundida<br>d A [mm]<br>Depth A | Profundida<br>d B [mm]<br>Depth B | Ancho / Diam<br>[mm]<br>Width / Diam | Responsable<br>Responsible | Fecha<br>Date |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| A                    | Agujero Fondo Plano<br>Flat bottom hole | 6,35   | 50                                  | ±15                            | 2,588                                   | 1,913                                   | 2,250                                    | -                                     | -                          | 2,000                             | -                                 | 6,00                                 | Daniel Carcacha            | 27/07/10      |
| B                    | Reduccion de Espesor<br>Externo         | 12,50  | 17                                  | ±0                             | 0,765                                   | 0,765                                   | 0,765                                    | 12,50                                 | 12,50                      | -                                 | -                                 | 12,50                                | Sebastian Monteros         | 29/07/10      |
| C                    | Chavetero<br>Grove                      | 5,20   | 50                                  | ±15                            | 2,588                                   | 1,913                                   | 2,250                                    | 15,40                                 | 15,40                      | 2,000                             | 2,000                             | 5,20                                 | Daniel Carcacha            | 27/07/10      |

### Instrumentos de Medicion Utilizados:

Proyector de Perfiles Mitutoyo PJ-A3000   Codigo: 302-711A

Medidor de espesor Mess DR-5   Codigo: 5130

#### Notas:

- 1.-Todas las dimensiones son en milímetros excepto que se indique lo contrario.
  - 2.-Minima Profundidad Nominal de las ranuras 0.3 mm.
- CERTIFICADO CON REPLICA SI

#### Notes:

- 1.-All dimensions in milimeters unless stated.
  - 2.-Minimum notch nominal depth 0.3 mm.
- CERTIFIED WITH PLASTIC REPLICA YES