

## CERTIFICADO PATRON DE CND

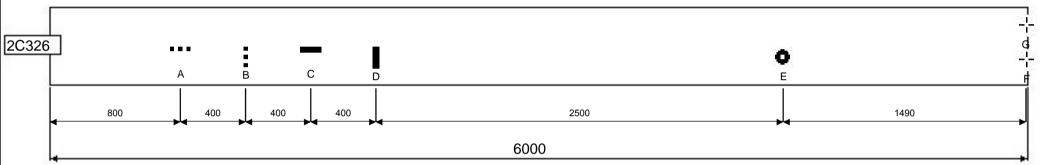
**TEND** 

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2C326

| Datos del Producto Product Information |       |                     |                   |                                   |           |  |  |  |
|--|-------|---------------------|-------------------|-----------------------------------|-----------|--|--|--|
| Diametro [mm]                          | 219,1 | Cliente<br>Client   | MARINER<br>ENERGY | Ciclo<br>Product                  | 85379     |  |  |  |
| Espesor [mm]<br>Wall Thickness         | 14,3  | Tratamiento Termico |                   | Colada<br><sub>Heat</sub>         | 85373     |  |  |  |
| Trazabilidad<br>Traceability           | 0     |                     |                   | Expediente<br>Manufacturing Order | 5/1582.01 |  |  |  |



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 /<br>Diam | Profundidad<br>Nominal [%]<br>Depth |     | Profundidad<br>Maxima<br>[mm]<br>Max Depth | Profundidad<br>Minima [mm]<br>Min Depth | Profundidad<br>Nominal<br>[mm]<br>Nom Depth | Longitud<br>Maxima<br>[mm]<br>Max Length | Length | Profundid<br>ad A [mm]<br>Depth A |       | Ancho /<br>Diam [mm]<br>Width / Diam | Espesor<br>Remanente<br>[mm]<br>Thickness | Responsable<br>Responsible | Fecha<br>Date |
|----------------------|--|---|-------------------------------------|-----|--|---|---|--|--------|-----------------------------------|-------|--------------------------------------|---|----------------------------|---------------|
| Α                    | Longitudinal Interno<br>Longitudinal ID  | 1,00  | 14                                  | ±15 | 2,302                                      | 1,702                                   | 2,002                                       | 25,40                                    | 23,50  | 1,880                             | 1,808 | 0,95                                 | -   | Sebastian Monteros         | 12/02/07      |
| В                    | Transversal Interno Transverse ID        | 1,00  | 14                                  | ±15 | 2,302                                      | 1,702                                   | 2,002                                       | 25,40                                    | 23,50  | 2,162                             | 2,157 | 0,90                                 | -   | Sebastian Monteros         | 12/02/07      |
| С                    | Longitudinal Externo longitudinal OD     | 1,00  | 14                                  | ±15 | 2,302                                      | 1,702                                   | 2,002                                       | 25,40                                    | 24,30  | 7,880                             | 7,860 | 0,86                                 | -   | Sebastian Monteros         | 12/02/07      |
| D                    | Transversal Externo Transverse OD        | 1,00  | 14                                  | ±15 | 2,302                                      | 1,702                                   | 2,002                                       | 25,40                                    | 24,50  | 0,797                             | 0,800 | 0,85                                 | -   | Sebastian Monteros         | 12/02/07      |
| Е                    | Agujero Pasante<br>Drilled hole          | 4,80  | -                                   | -   | -  | -                                       | -   | -  | -      | -                                 | -     | 4,80                                 | -   | Sebastian Monteros         | 12/02/07      |
| F                    | Punto de Espesor<br>Wall thickness point | -   | -                                   | -   |  | -                                       | -   | -  | -      | -                                 | -     | -                                    | 14,30                                     | Sebastian Monteros         | 12/02/07      |
| G                    | Punto de Espesor<br>Wall thickness point | -   | -                                   | -   | -  | -                                       | -   | -  | -      | -                                 | -     | -                                    | 14,85                                     | Sebastian Monteros         | 12/02/07      |

## Notas:

- 1.-Todas las dimensiones son en milimetros 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

1/2



## CERTIFICADO PATRON DE CND

**TEND** 

NDT Reference Standard Certificate

Tubo patrón número Reference standard #

2C326

| Datos del Producto Product Information |       |                     |                   |                                   |           |  |  |
|--|-------|---------------------|-------------------|-----------------------------------|-----------|--|--|
| Diametro [mm] Diameter                 | 219,1 | Cliente<br>Client   | MARINER<br>ENERGY | Ciclo<br>Product                  | 85379     |  |  |
| Espesor [mm]<br>Wall Thickness         | 14,3  | Tratamiento Termico |                   | Colada<br><sub>Heat</sub>         | 85373     |  |  |
| Trazabilidad<br>Traceability           | 0     |                     |                   | Expediente<br>Manufacturing Order | 5/1582.01 |  |  |

Instrumentos de Medicion Utilizados:

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

Notas:

1.-Todas las dimensiones son en milimetros 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