

## CERTIFICADO PATRON DE CND

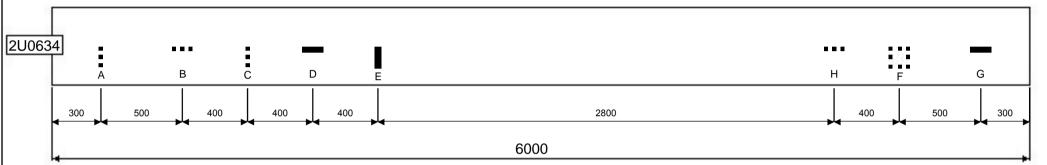
**TEND** 

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2U0634

| Datos del Producto Product Information |        |                     |            |                                   |           |  |  |
|--|--------|---------------------|------------|-----------------------------------|-----------|--|--|
| Diametro [mm]                          | 193,68 | Cliente<br>Client   | ENI CYPRUS | Ciclo<br>Product                  | 81539     |  |  |
| Espesor [mm]<br>Wall Thickness         | 12,7   | Tratamiento Termico | SI         | Colada<br><sub>Heat</sub>         | 63736     |  |  |
| Trazabilidad<br>Traceability           | 0      |                     |            | Expediente<br>Manufacturing Order | 5/1835.01 |  |  |



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 / 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<br>[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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|--|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| Α                    | Transversal Interno Transverse ID       | 1,00   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 50,80                                    | 43,00                      | 0,611                             | 0,625                             | 0,84                                 | Daniel Carcacha            | 12/05/14      |
| В                    | Longitudinal Interno<br>Longitudinal ID | 1,00   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 50,80                                    | 48,00                      | 0,613                             | 0,631                             | 0,84                                 | Daniel Carcacha            | 12/05/14      |
| С                    | Transversal Interno<br>Transverse ID    | 1,00   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 50,80                                    | 43,00                      | 0,619                             | 0,634                             | 0,83                                 | Daniel Carcacha            | 12/05/14      |
| D                    | Longitudinal Externo longitudinal OD    | 1,00   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 50,80                                    | 48,50                      | 0,635                             | 0,640                             | 0,86                                 | Dante Antunez              | 14/05/14      |
| Е                    | Transversal Externo Transverse OD       | 1,00   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 50,80                                    | 48,50                      | 0,635                             | 0,638                             | 0,85                                 | Dante Antunez              | 14/05/14      |
| F                    | Reduccion de espesor interno            | 25,40  | 13                                  | ±0                             | 1,588                                   | 1,588                                   | 1,588                                    | 50,80                                    | 24,00                      | -                                 | -                                 | 24,00                                | Daniel Carcacha            | 14/05/14      |
| G                    | Longitudinal Externo longitudinal OD    | 0,85   | 5                                   | ±15                            | 0,730                                   | 0,540                                   | 0,635                                    | 48,50                                    | 48,50                      | 0,720                             | 0,715                             | 0,85                                 | Dante Antunez              | 14/05/14      |
| Н                    | Longitudinal Interno<br>Longitudinal ID | 1,00   | 10                                  | ±15                            | 1,461                                   | 1,080                                   | 1,270                                    | 50,80                                    | 48,00                      | 1,290                             | 1,326                             | 0,86                                 | Dante Antunez              | 14/05/14      |

## 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

OT-PMANT Fecha 14/05/2014 Hoja 1/2 Documento TAND-001-05 Vigencia 17/04/2006



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| Datos del Producto Product Information |        |                     |            |                                   |           |  |  |
|--|--------|---------------------|------------|-----------------------------------|-----------|--|--|
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| Espesor [mm]<br>Wall Thickness         | 12,7   | Tratamiento Termico | SI         | Colada<br><sub>Heat</sub>         | 63736     |  |  |
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Instrumentos de Medicion Utilizados:

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

Calibre Pie de Rey Codigo:

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Notes:

1.-All dimensions in milimeters unless stated.

2.-Minimum notch nominal depth 0.3 mm.

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