

## CERTIFICADO PATRON DE CND

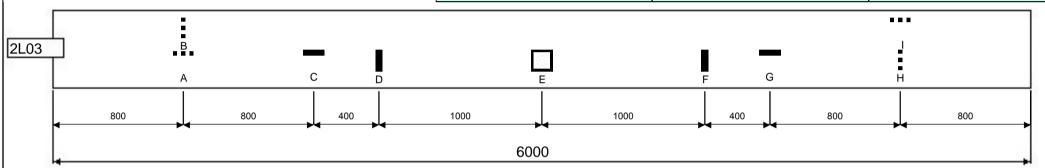
**TEND** 

NDT Reference Standard Certificate

Tubo patrón número Reference standard #

2L03

Datos del Producto Product Information Ciclo Product Cliente Diametro [mm] N-A 177,8 81354 Diameter Espesor [mm]
Wall Thickness Tratamiento Termico Colada SI 8,05 78044 **Heat Treatment** Heat Trazabilidad Expediente Manufacturing Order 0 Traceability



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                    | Longitudinal Interno Longitudinal ID | 1,00   | 5                                   | ±15                            | 0,463                                   | 0,342                                   | 0,403                                    | 50,80                                    | 50,00                      | 0,442                             | 0,425                             | 0,84                                 | Agustin Torres             | 08/05/17      |
| В                    | Transversal Interno Transverse ID    | 1,00   | 5                                   | ±15                            | 0,463                                   | 0,342                                   | 0,403                                    | 50,80                                    | 46,00                      | 0,412                             | 0,418                             | 0,84                                 | Agustin Torres             | 08/05/17      |
| С                    | Longitudinal Externo longitudinal OD | 1,00   | 5                                   | ±0                             | 0,403                                   | 0,403                                   | 0,403                                    | 50,80                                    | 50,50                      | 0,402                             | 0,402                             | 0,82                                 | Agustin Torres             | 22/04/17      |
| D                    | Transversal Externo Transverse OD    | 1,00   | 5                                   | ±15                            | 0,463                                   | 0,342                                   | 0,403                                    | 50,80                                    | 46,50                      | 0,441                             | 0,447                             | 0,81                                 | Agustin Torres             | 22/04/17      |
| Е                    | Reduccion de Espesor<br>Externo      | 25,40  | 5                                   | ±0                             | 0,403                                   | 0,403                                   | 0,403                                    | 50,80                                    | 50,00                      | -                                 | ı                                 | 25,00                                | Agustin Torres             | 22/04/17      |
| F                    | Transversal Externo Transverse OD    | 1,00   | 10                                  | ±15                            | 0,926                                   | 0,684                                   | 0,805                                    | 50,80                                    | 46,50                      | 0,910                             | 0,904                             | 0,84                                 | Agustin Torres             | 22/04/17      |
| G                    | Longitudinal Externo longitudinal OD | 1,00   | 10                                  | ±15                            | 0,926                                   | 0,684                                   | 0,805                                    | 50,80                                    | 50,50                      | 0,883                             | 0,897                             | 0,83                                 | Agustin Torres             | 22/04/17      |
| Н                    | Transversal Interno<br>Transverse ID | 1,00   | 10                                  | ±15                            | 0,926                                   | 0,684                                   | 0,805                                    | 50,80                                    | 46,00                      | 0,909                             | 0,876                             | 0,83                                 | Agustin Torres             | 08/05/17      |

## 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 08/05/2017 Hoja 1/2 Documento TAND-001-05 Vigencia 17/04/2006



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| Datos del Producto Product Information |       |                                       |     |                                   |       |  |  |  |  |  |
|--|-------|---------------------------------------|-----|-----------------------------------|-------|--|--|--|--|--|
| Diametro [mm] Diameter                 | 177,8 | Cliente<br>Client                     | N-A | Ciclo<br>Product                  | 81354 |  |  |  |  |  |
| Espesor [mm]<br>Wall Thickness         | 8,05  | Tratamiento Termico<br>Heat Treatment | SI  | Colada<br><sub>Heat</sub>         | 78044 |  |  |  |  |  |
| Trazabilidad<br>Traceability           | 0     |                                       |     | Expediente<br>Manufacturing Order |       |  |  |  |  |  |

| 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>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 |
|----------------------|--------------------------------------|--|-------------------------------------|--------------------------------|-------|---|--|--|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| ı                    | Longitudinal Interno Longitudinal ID | 1,00   | 10                                  | ±15                            | 0,926 | 0,684                                   | 0,805                                    | 50,80                                    | 50,00                      | 0,881                             | 0,887                             | 0,87                                 | Agustin Torres             | 08/05/17      |

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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