

## CERTIFICADO PATRON DE CND

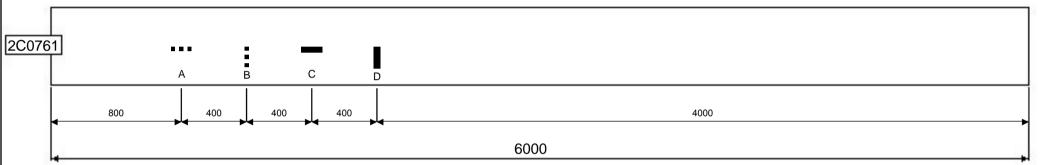
**TEND** 

NDT Reference Standard Certificate

Tubo patrón número Reference standard #

2C0761

| Datos del Producto Product Information |       |                                       |                    |                                   |           |  |  |  |  |
|--|-------|---------------------------------------|--------------------|-----------------------------------|-----------|--|--|--|--|
| Diametro [mm]                          | 168,3 | Cliente<br>Client                     | TENGIZCHE<br>VROIL | Ciclo<br>Product                  | 60901     |  |  |  |  |
| Espesor [mm]<br>Wall Thickness         | 8,74  | Tratamiento Termico<br>Heat Treatment | SI                 | Colada<br><sub>Heat</sub>         | 85996     |  |  |  |  |
| Trazabilidad<br>Traceability           | 37    |                                       |                    | Expediente<br>Manufacturing Order | 5/2777.05 |  |  |  |  |



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 | [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<br>Longitudinal ID | 1,00   | 5                                   | ±15                            | 0,503                                   | 0,371                                   | 0,437                                    | 50,80                                    | 50,40          | 0,473                             | 0,478                             | 0,84                                 | Carlos Aguilar             | 30/12/17      |
| В                    | Transversal Interno Transverse ID       | 1,00   | 5                                   | ±15                            | 0,503                                   | 0,371                                   | 0,437                                    | 50,80                                    | 40,90          | 0,429                             | 0,501                             | 0,83                                 | Carlos Aguilar             | 30/12/17      |
| С                    | Longitudinal Externo longitudinal OD    | 1,00   | 5                                   | ±15                            | 0,503                                   | 0,371                                   | 0,437                                    | 50,80                                    | 49,80          | 0,483                             | 0,496                             | 0,84                                 | Carlos Aguilar             | 30/12/17      |
| D                    | Transversal Externo Transverse OD       | 1,00   | 5                                   | ±15                            | 0,503                                   | 0,371                                   | 0,437                                    | 50,80                                    | 46,80          | 0,492                             | 0,474                             | 0,86                                 | Carlos Aguilar             | 30/12/17      |

Instrumentos de Medicion Utilizados:

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

Calibre Pie de Rey Codigo:

## 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