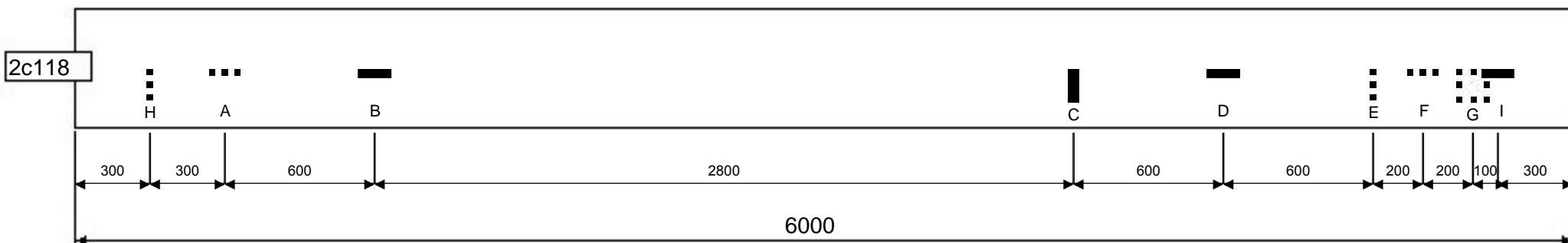


Tubo patrón número  
Reference standard #

**2c118**

### Datos del Producto Product Information

|                                |       |                                       |                                   |       |
|--------------------------------|-------|---------------------------------------|-----------------------------------|-------|
| Diametro [mm]<br>Diameter      | 244,5 | Cliente<br>Client                     | Ciclo<br>Product                  | 64672 |
| Espesor [mm]<br>Wall Thickness | 8,94  | Tratamiento Termico<br>Heat Treatment | Colada<br>Heat                    | 0     |
| 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 | Profundidad<br>A [mm]<br>Depth A | Profundidad<br>B [mm]<br>Depth B | Ancho / Diam<br>[mm]<br>Width / Diam | Responsable<br>Responsible | Fecha<br>Date |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------------|---------------|
| A                    | Longitudinal Interno<br>Longitudinal ID | 1,00   | 13                                  | ±15                            | 1,285                                   | 0,950                                   | 1,118                                    | 50,00                                 | 48,00                      | 1,118                            | 1,118                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| B                    | Longitudinal Externo<br>Longitudinal OD | 1,00   | 13                                  | ±15                            | 1,285                                   | 0,950                                   | 1,118                                    | 50,00                                 | 48,00                      | 1,200                            | 1,200                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| C                    | Transversal Externo<br>Transverse OD    | 1,00   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 50,00                                 | 49,00                      | 1,150                            | 1,138                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| D                    | Longitudinal Externo<br>Longitudinal OD | 0,99   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 48,00                                 | 48,00                      | 0,458                            | 0,458                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| E                    | Transversal Interno<br>Transverse ID    | 1,00   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 50,00                                 | 45,00                      | 0,460                            | 0,460                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| F                    | Longitudinal Interno<br>Longitudinal ID | 1,00   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 50,00                                 | 48,00                      | 0,440                            | 0,440                            | 0,99                                 | Sebastian Monteros         | 31/08/04      |
| G                    | Reduccion de espesor<br>interno         | 25,40  | 13                                  | ±0                             | 1,118                                   | 1,118                                   | 1,118                                    | 50,80                                 | 47,00                      | -                                | -                                | 22,00                                | Dante Antunez              | 20/11/08      |
| H                    | Transversal Interno<br>Transverse ID    | 1,00   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 50,80                                 | 37,00                      | 0,474                            | 0,494                            | 0,94                                 | Dante Antunez              | 20/11/08      |

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 NO

Notes:

- 1.-All dimensions in milimeters unless stated.
- 2.-Minimum notch nominal depth 0.3 mm.

CERTIFIED WITH PLASTIC REPLICA NO

OT-PMANT

Fecha  
Date

20/11/2008  
04:37:45 p.m.

Hoja  
Page

1/2

Documento  
Vigencia

TAND-001-05  
17/04/2006

Tubo patrón número  
Reference standard #**2c118****Datos del Producto**  
Product Information

|                                |       |                                       |                                   |       |
|--------------------------------|-------|---------------------------------------|-----------------------------------|-------|
| Diametro [mm]<br>Diameter      | 244,5 | Cliente<br>Client                     | Ciclo<br>Product                  | 64672 |
| Espesor [mm]<br>Wall Thickness | 8,94  | Tratamiento Termico<br>Heat Treatment | Colada<br>Heat                    | 0     |
| 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>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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| I                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 5                                   | ±15                            | 0,514                                   | 0,380                                   | 0,447                                    | 50,80                                 | 49,50                      | 0,505                             | 0,508                             | 0,94                                 | Dante Antunez              | 20/11/08      |

**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 milímetros excepto que se indique lo contrario.
  - 2.-Minima Profundidad Nominal de las ranuras 0.3 mm.
- CERTIFICADO CON REPLICA NO

## Notes:

- 1.-All dimensions in milimeters unless stated.
  - 2.-Minimum notch nominal depth 0.3 mm.
- CERTIFIED WITH PLASTIC REPLICA NO