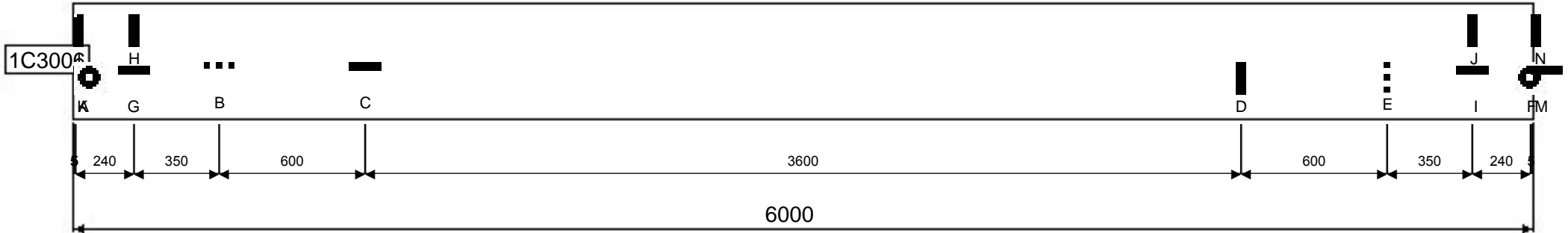


Tubo patrón número  
Reference standard #

**1C3006**

### Datos del Producto Product Information

|                                |       |                                       |                    |                                   |         |
|--------------------------------|-------|---------------------------------------|--------------------|-----------------------------------|---------|
| Diametro [mm]<br>Diameter      | 73,02 | Cliente<br>Client                     | YACIMIENTO<br>HUAN | Ciclo<br>Product                  | 89588   |
| Espesor [mm]<br>Wall Thickness | 5,51  | Tratamiento Termico<br>Heat Treatment | SI                 | Colada<br>Heat                    | 26457   |
| Trazabilidad<br>Traceability   | 0     |                                       |                    | Expediente<br>Manufacturing Order | 5698002 |



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                    | Agujero Pasante<br>Drilled hole         | 2,20   | -                                   | -                              | -                                       | -                                       | -  | -                                     | -                          | -                                | -                                | 2,20                                 | Agustin Torres             | 27/07/19      |
| B                    | Longitudinal Interno<br>Longitudinal ID | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,20                      | 0,522                            | 0,555                            | 0,83                                 | Agustin Torres             | 27/07/19      |
| C                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,40                      | 0,626                            | 0,633                            | 0,84                                 | Agustin Torres             | 27/07/19      |
| D                    | Transversal Externo<br>Transverse OD    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,20                      | 0,585                            | 0,601                            | 0,84                                 | Agustin Torres             | 27/07/19      |
| E                    | Transversal Interno<br>Transverse ID    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 50,00                                 | 25,00                      | 0,583                            | 0,612                            | 0,83                                 | Agustin Torres             | 27/07/19      |
| F                    | Agujero Pasante<br>Drilled hole         | 2,20   | -                                   | -                              | -                                       | -                                       | -  | -                                     | -                          | -                                | -                                | 2,20                                 | Agustin Torres             | 27/07/19      |
| G                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,550                            | 0,560                            | 0,99                                 | Default Default            | 06/12/19      |
| H                    | Transversal Externo<br>Transverse OD    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,560                            | 0,550                            | 0,99                                 | Default Default            | 06/12/19      |

#### 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 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  
Date

09/03/2020  
09:26:19 a.m.

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Documento  
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TAND-001-05  
17/04/2006

|  |  |   |  |       |  |                                       |  |                    |  |                                   |  |         |  |
|--|--|---|--|-------|--|---------------------------------------|--|--------------------|--|-----------------------------------|--|---------|--|
| Tubo patrón número<br>Reference standard # |  | Datos del Producto<br>Product Information |  |       |  |                                       |  |                    |  |                                   |  |         |  |
| 1C3006                                     |  | Diámetro [mm]<br>Diameter                 |  | 73,02 |  | Cliente<br>Client                     |  | YACIMIENTO<br>HUAN |  | Ciclo<br>Product                  |  | 89588   |  |
|  |  | Espesor [mm]<br>Wall Thickness            |  | 5,51  |  | Tratamiento Termico<br>Heat Treatment |  | SI                 |  | Colada<br>Heat                    |  | 26457   |  |
|  |  | Trazabilidad<br>Traceability              |  | 0     |  |                                       |  |                    |  | Expediente<br>Manufacturing Order |  | 5698002 |  |

| 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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------------|---------------|
| I                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,550                            | 0,560                            | 0,99                                 | Default Default            | 06/12/19      |
| J                    | Transversal Externo<br>Transverse OD    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,550                            | 0,560                            | 0,99                                 | Default Default            | 06/12/19      |
| K                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,580                            | 0,560                            | 0,99                                 | Default Default            | 09/03/20      |
| L                    | Transversal Externo<br>Transverse OD    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,585                            | 0,595                            | 0,99                                 | Default Default            | 09/03/20      |
| M                    | Longitudinal Externo<br>longitudinal OD | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,566                            | 0,585                            | 0,99                                 | Default Default            | 09/03/20      |
| N                    | Transversal Externo<br>Transverse OD    | 1,00   | 10                                  | ±15                            | 0,634                                   | 0,468                                   | 0,551                                    | 25,40                                 | 25,00                      | 0,580                            | 0,575                            | 0,99                                 | Default Default            | 09/03/20      |

### Instrumentos de Medicion Utilizados:

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

#### 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 SI

#### Notes:

- 1.-All dimensions in milimeters unless stated.
  - 2.-Minimum notch nominal depth 0.3 mm.
- CERTIFIED WITH PLASTIC REPLICA YES

|          |  |  |  |               |  |                             |  |              |  |     |  |                       |  |                           |  |
|----------|--|--|--|---------------|--|-----------------------------|--|--------------|--|-----|--|-----------------------|--|---------------------------|--|
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|----------|--|--|--|---------------|--|-----------------------------|--|--------------|--|-----|--|-----------------------|--|---------------------------|--|