

CERTIFICADO PATRON DE CND

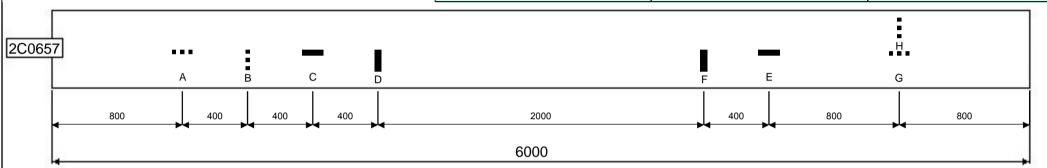
TEND

NDT Reference Standard Certificate



2C0657

| Datos del Producto Product Information | | | | | | | | |
|--|-------|---------------------|---------------------|-----------------------------------|-----------|--|--|--|
| Diametro [mm] | 168,3 | Cliente Client | TOTAL E&P ITALIA | Ciclo Product | 62530 | | | |
| Espesor [mm] Wall Thickness | 5,6 | Tratamiento Termico | SI | Colada _{Heat} | 63381 | | | |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5/2136.02 | | | |



Valores Pedidos / Requested Values

Valores Medidos / Measured Values

| Posicion Position | Tipo de Notch Notch Type | Ancho / Diam Max [mm] Max Width / Diam | Profundidad Nominal [%] Depth | Tolerancia [%] Tolerance | Profundidad Maxima [mm] Max Depth | Profundidad Minima [mm] Min Depth | Profundidad Nominal [mm] Nom Depth | Longitud Maxima [mm] Max Length | Longitud [mm] Length | Profundida d A [mm] Depth A | Profundida d B [mm] Depth B | Ancho / Diam [mm] Width / Diam | Responsable Responsible | Fecha Date |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|--|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| Α | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 0,348 | 0,257 | 0,302 | 50,80 | 48,00 | 0,335 | 0,330 | 0,85 | Agustin Torres | 05/05/14 |
| В | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,348 | 0,257 | 0,302 | 50,80 | 48,00 | 0,330 | 0,332 | 0,85 | Agustin Torres | 05/05/14 |
| С | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 0,348 | 0,257 | 0,302 | 50,80 | 48,60 | 0,320 | 0,334 | 0,90 | Agustin Torres | 03/05/14 |
| D | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,348 | 0,257 | 0,302 | 50,80 | 44,00 | 0,312 | 0,327 | 0,90 | Agustin Torres | 03/05/14 |
| Е | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,644 | 0,476 | 0,560 | 50,80 | 48,00 | 0,638 | 0,644 | 0,91 | Daniel Carcacha | 03/07/14 |
| F | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 0,644 | 0,476 | 0,560 | 50,80 | 41,00 | 0,622 | 0,639 | 0,91 | Daniel Carcacha | 03/07/14 |
| G | Longitudinal Interno Longitudinal ID | 1,00 | 7 | ±15 | 0,451 | 0,333 | 0,392 | 48,00 | 48,00 | 0,339 | 0,340 | 0,87 | Daniel Carcacha | 03/07/14 |
| Н | Transversal Interno Transverse ID | 1,00 | 10 | ±15 | 0,644 | 0,476 | 0,560 | 50,80 | 39,00 | 0,619 | 0,642 | 0,91 | Daniel Carcacha | 03/07/14 |

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 03/07/2014 Hoja 1/2 Documento TAND-001-05 Vigencia 17/04/2006



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Tubo patrón número Reference standard #

| Datos del Producto Product Information | | | | | | | |
|--|-------|---------------------|---------------------|-----------------------------------|-----------|--|--|
| Diametro [mm] Diameter | 168,3 | Cliente Client | TOTAL E&P ITALIA | Ciclo Product | 62530 | | |
| Espesor [mm] Wall Thickness | 5,6 | Tratamiento Termico | SI | Colada _{Heat} | 63381 | | |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5/2136.02 | | |

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