

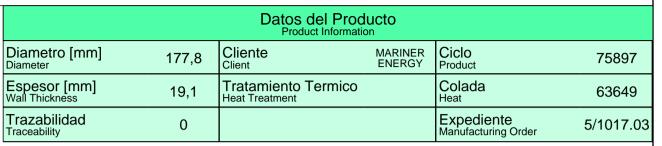
CERTIFICADO PATRON DE CND

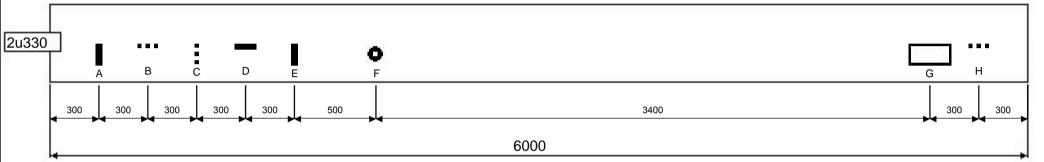
TEND

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2u330





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 | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 1,098 | 0,812 | 0,955 | 25,40 | 24,00 | 1,017 | 0,976 | 0,98 | Sebastian Monteros | 28/10/04 |
| В | Longitudinal Interno Longitudinal ID | 1,00 | 19 | ±15 | 4,173 | 3,085 | 3,629 | 50,00 | 49,00 | 3,855 | 3,890 | 0,91 | Sebastian Monteros | 28/10/04 |
| С | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 1,098 | 0,812 | 0,955 | 25,40 | 24,00 | 0,994 | 0,982 | 0,96 | Sebastian Monteros | 28/10/04 |
| D | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 1,098 | 0,812 | 0,955 | 25,40 | 24,00 | 0,968 | 0,973 | 0,98 | Sebastian Monteros | 28/10/04 |
| Е | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 1,098 | 0,812 | 0,955 | 25,40 | 24,00 | 0,907 | 0,918 | 0,97 | Sebastian Monteros | 28/10/04 |
| F | Agujero Pasante Drilled hole | 4,80 | - | - | - | - | - | - | - | - | ı | 4,80 | Sebastian Monteros | 28/10/04 |
| G | Chavetero Grove | 16,00 | 50 | ±15 | 10,983 | 8,118 | 9,550 | 30,00 | 30,00 | 10,500 | 10,500 | 16,00 | Sebastian Monteros | 28/10/04 |
| Н | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 1,098 | 0,812 | 0,955 | 25,40 | 25,00 | 0,938 | 0,984 | 0,98 | Sebastian Monteros | 28/10/04 |

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 Date

28/10/2004 01:42:08 p.m. Hoja Page

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TAND-001-05 17/04/2006



CERTIFICADO PATRON DE CND

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| Datos del Producto Product Information | | | | | | | | | |
|--|-------|---------------------|-------------------|-----------------------------------|-----------|--|--|--|--|
| Diametro [mm] Diameter | 177,8 | Cliente Client | MARINER ENERGY | Ciclo Product | 75897 | | | | |
| Espesor [mm] Wall Thickness | 19,1 | Tratamiento Termico | | Colada _{Heat} | 63649 | | | | |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5/1017.03 | | | | |

Instrumentos de Medicion Utilizados:

Proyector de Perfiles Nikon V-16E Codigo: 90012410

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