

CERTIFICADO PATRON DE CND

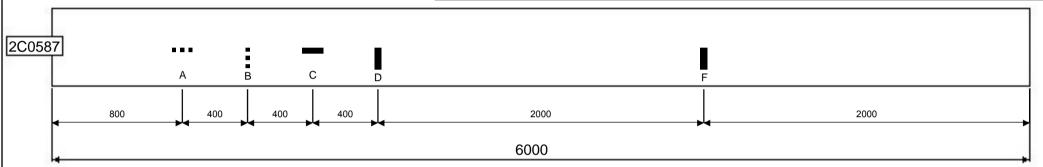
TEND

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2C0587

| Datos del Producto Product Information | | | | | | | | | |
|--|-------|---------------------|-------------------|-----------------------------------|---------|--|--|--|--|
| Diametro [mm] Diameter | 139,7 | Cliente Client | FORTUNA ENERGY | Ciclo Product | 80633 | | | | |
| Espesor [mm] Wall Thickness | 10,54 | Tratamiento Termico | SI | Colada _{Heat} | 22969 | | | | |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5739301 | | | | |



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 | 0,94 | 5 | ±15 | 0,606 | 0,448 | 0,527 | 48,00 | 48,00 | 0,590 | 0,600 | 0,94 | Agustin Torres | 18/06/12 |
| В | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,606 | 0,448 | 0,527 | 50,80 | 40,00 | 0,599 | 0,601 | 0,92 | Agustin Torres | 18/06/12 |
| С | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 0,606 | 0,448 | 0,527 | 50,00 | 48,30 | 0,568 | 0,554 | 0,94 | Agustin Torres | 18/06/12 |
| D | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,606 | 0,448 | 0,527 | 50,80 | 42,00 | 0,541 | 0,545 | 0,84 | Agustin Torres | 18/06/12 |
| F | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 1,212 | 0,896 | 1,054 | 50,80 | 43,00 | 1,103 | 1,007 | 0,95 | Default Default | 14/09/12 |

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

1/2



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|--|-------|---------------------|----|-----------------------------------|---------|--|--|--|
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| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5739301 | | | |

Instrumentos de Medicion Utilizados:

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

Calibre Pie de Rey Codigo:

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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