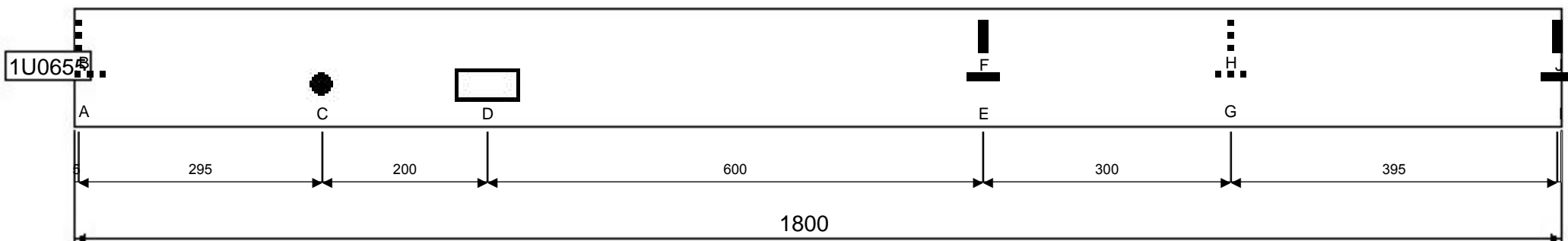


Tubo patrón número
Reference standard #

1U0655

Datos del Producto Product Information

| | | | | | |
|--------------------------------|-------|---------------------------------------|--------|-----------------------------------|---------|
| Diametro [mm] Diameter | 114,3 | Cliente Client | ARAMCO | Ciclo Product | 62289 |
| Espesor [mm] Wall Thickness | 17,1 | Tratamiento Termico Heat Treatment | SI | Colada Heat | 31383 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5663801 |



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 | Profundidad A [mm] Depth A | Profundidad B [mm] Depth B | Ancho / Diam [mm] Width / Diam | Responsable Responsible | Fecha Date |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------------|---------------|
| A | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 38,00 | 0,954 | 0,951 | 0,87 | Daniel Carcacha | 11/10/13 |
| B | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 38,00 | 0,947 | 0,949 | 0,86 | Daniel Carcacha | 11/10/13 |
| C | Agujero Fondo Plano Flat bottom hole | 6,40 | 33 | ±15 | 6,489 | 4,797 | 5,643 | - | - | 5,700 | - | 6,30 | Dante Antunez | 12/10/13 |
| D | Chavetero Grove | 6,00 | 33 | +20-0 | 6,772 | 5,643 | 5,643 | 16,00 | 13,60 | 5,100 | 5,100 | 4,60 | Dante Antunez | 12/10/13 |
| E | Longitudinal Externo Longitudinal OD | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 37,80 | 0,931 | 0,910 | 0,87 | Dante Antunez | 15/10/13 |
| F | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 35,90 | 0,909 | 0,907 | 0,87 | Dante Antunez | 15/10/13 |
| G | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 37,00 | 0,977 | 0,981 | 0,88 | Dante Antunez | 15/10/13 |
| H | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 33,80 | 0,966 | 0,804 | 0,85 | Dante Antunez | 15/10/13 |

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

Tubo patrón número
Reference standard #

1U0655

Datos del Producto Product Information

| | | | | | |
|--------------------------------|-------|---------------------------------------|--------|-----------------------------------|---------|
| Diametro [mm] Diameter | 114,3 | Cliente Client | ARAMCO | Ciclo Product | 62289 |
| Espesor [mm] Wall Thickness | 17,1 | Tratamiento Termico Heat Treatment | SI | Colada Heat | 31383 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5663801 |

| 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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| I | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 38,00 | 0,953 | 0,956 | 0,86 | Daniel Carcacha | 11/10/13 |
| J | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,983 | 0,727 | 0,855 | 38,00 | 38,00 | 0,946 | 0,947 | 0,87 | Daniel Carcacha | 11/10/13 |

Instrumentos de Medicion Utilizados:

Calibre Pie de Rey Codigo:

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

| | | | | | | |
|----------|---------------|-----------------------------|--------------|-----|-----------------------|---------------------------|
| OT-PMANT | Fecha Date | 15/10/2013 11:57:08 a.m. | Hoja Page | 2/2 | Documento Vigencia | TAND-001-05 17/04/2006 |
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