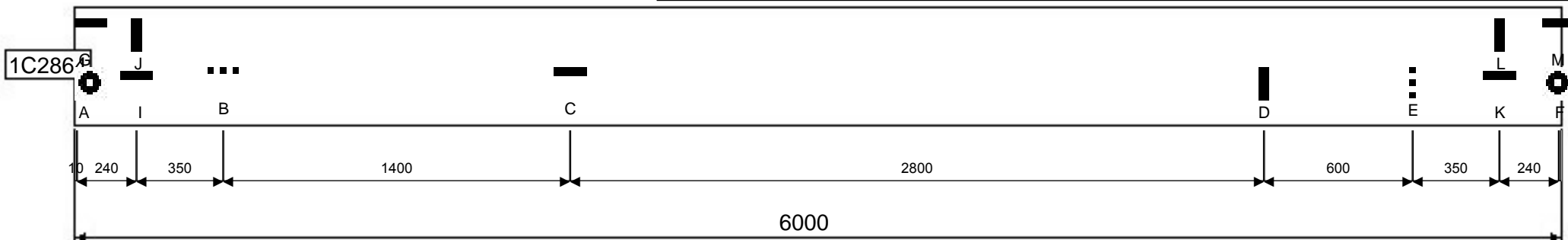


Tubo patrón número
Reference standard #

1C2864

Datos del Producto Product Information

| | | | | | |
|--------------------------------|----|---------------------------------------|-----------------------|-----------------------------------|---------|
| Diametro [mm] Diameter | 73 | Cliente Client | YPF SOCIEDAD AN | Ciclo Product | 62965 |
| Espesor [mm] Wall Thickness | 7 | Tratamiento Termico Heat Treatment | NO | Colada Heat | 21832 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 8218406 |



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 | Agujero Pasante Drilled hole | 2,20 | - | - | - | - | - | - | - | - | - | 2,20 | Carlos Aguilar | 20/09/18 |
| B | Longitudinal Interno Longitudinal ID | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,60 | 0,676 | 0,674 | 0,83 | Carlos Aguilar | 17/09/18 |
| C | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,60 | 0,748 | 0,761 | 0,82 | Carlos Aguilar | 20/09/18 |
| D | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 33,50 | 0,750 | 0,763 | 0,82 | Carlos Aguilar | 20/09/18 |
| E | Transversal Interno Transverse ID | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 26,80 | 0,693 | 0,702 | 0,84 | Carlos Aguilar | 19/09/18 |
| F | Agujero Pasante Drilled hole | 2,20 | - | - | - | - | - | - | - | - | - | 2,20 | Carlos Aguilar | 20/09/18 |
| G | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,700 | 0,710 | 0,99 | Default Default | 28/11/19 |
| I | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,710 | 0,690 | 0,99 | Default Default | 28/11/19 |

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

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TAND-001-05
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| | | | | | | | | | | | | | |
|--|--|---|--|----|--|---------------------------------------|--|-----------------|--|-----------------------------------|--|---------|--|
| Tubo patrón número Reference standard # | | Datos del Producto Product Information | | | | | | | | | | | |
| 1C2864 | | Diametro [mm] Diameter | | 73 | | Cliente Client | | YPF SOCIEDAD AN | | Ciclo Product | | 62965 | |
| | | Espesor [mm] Wall Thickness | | 7 | | Tratamiento Termico Heat Treatment | | NO | | Colada Heat | | 21832 | |
| | | Trazabilidad Traceability | | 0 | | | | | | Expediente Manufacturing Order | | 8218406 | |

| 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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| J | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,720 | 0,725 | 0,99 | Default Default | 28/11/19 |
| K | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,715 | 0,720 | 0,99 | Default Default | 28/11/19 |
| L | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,720 | 0,710 | 0,99 | Default Default | 28/11/19 |
| M | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 0,805 | 0,595 | 0,700 | 50,80 | 50,00 | 0,710 | 0,720 | 0,99 | Default Default | 28/11/19 |

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 | | 28/11/2019 11:51:56 a.m. | | Hoja Page | | 2/2 | | Documento Vigencia | | TAND-001-05 17/04/2006 | |
|----------|--|--|--|---------------|--|-----------------------------|--|--------------|--|-----|--|-----------------------|--|---------------------------|--|