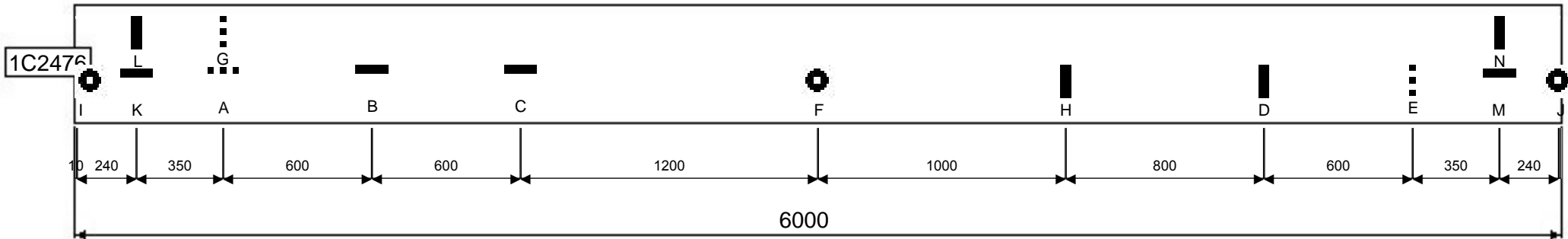


Tubo patrón número
Reference standard #

1C2476

Datos del Producto Product Information

| | | | | | |
|--------------------------------|------|---------------------------------------|--------|-----------------------------------|---------|
| Diametro [mm] Diameter | 60,3 | Cliente Client | aramco | Ciclo Product | 61114 |
| Espesor [mm] Wall Thickness | 8,7 | Tratamiento Termico Heat Treatment | NO | Colada Heat | 25259 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5260325 |



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 |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|---------------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| A | Longitudinal Interno Longitudinal ID | 0,93 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 48,00 | 48,00 | 0,941 | 0,915 | 0,93 | Agustin Torres | 27/11/12 |
| B | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 0,500 | 0,370 | 0,435 | 50,00 | 47,50 | 0,464 | 0,447 | 0,94 | Agustin Torres | 27/11/12 |
| C | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,00 | 47,50 | 0,969 | 0,974 | 0,95 | Agustin Torres | 27/11/12 |
| D | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,500 | 0,370 | 0,435 | 50,00 | 34,00 | 0,470 | 0,478 | 0,94 | Agustin Torres | 27/11/12 |
| E | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,500 | 0,370 | 0,435 | 50,00 | 20,00 | 0,487 | 0,500 | 0,95 | Agustin Torres | 27/11/12 |
| F | Agujero Pasante Drilled hole | 2,20 | - | - | - | - | - | - | - | - | - | 2,20 | Default Default | 09/01/13 |
| G | Transversal Interno Transverse ID | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 22,00 | 0,893 | 0,868 | 0,95 | Default Default | 26/09/13 |
| H | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 42,50 | 0,921 | 0,947 | 0,95 | Default Default | 26/09/13 |

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 #

1C2476

Datos del Producto Product Information

| | | | | | |
|--------------------------------|------|---------------------------------------|--------|-----------------------------------|---------|
| Diametro [mm] Diameter | 60,3 | Cliente Client | aramco | Ciclo Product | 61114 |
| Espesor [mm] Wall Thickness | 8,7 | Tratamiento Termico Heat Treatment | NO | Colada Heat | 25259 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5260325 |

| 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 | Agujero Pasante Drilled hole | 2,20 | - | - | - | - | - | - | - | - | - | 2,20 | Default Default | 18/06/14 |
| J | Agujero Pasante Drilled hole | 2,20 | - | - | - | - | - | - | - | - | - | 2,20 | Default Default | 18/06/14 |
| K | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 50,00 | 0,870 | 0,860 | 0,99 | Default Default | 31/10/19 |
| L | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 50,00 | 0,850 | 0,855 | 0,99 | Default Default | 31/10/19 |
| M | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 50,00 | 0,870 | 0,865 | 0,99 | Default Default | 31/10/19 |
| N | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 1,001 | 0,740 | 0,870 | 50,80 | 50,00 | 0,880 | 0,870 | 0,99 | Default Default | 31/10/19 |

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 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 | 31/10/2019 02:42:28 p.m. | Hoja Page | 2/2 | Documento Vigencia | TAND-001-05 17/04/2006 |
|----------|---------------|-----------------------------|--------------|-----|-----------------------|---------------------------|