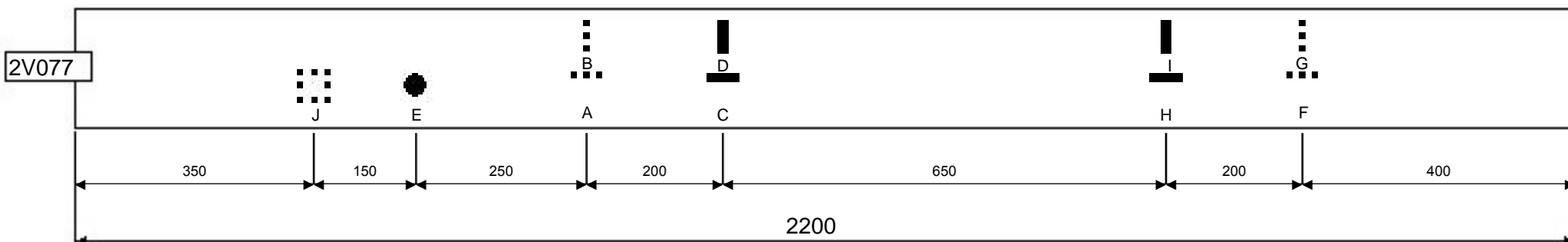


Tubo patrón número
Reference standard #

2V077

Datos del Producto Product Information

| | | | | | |
|--------------------------------|--------|---------------------------------------|--------------------|-----------------------------------|---------|
| Diametro [mm] Diameter | 158,75 | Cliente Client | SANDVICK MINING | Ciclo Product | 15697 |
| Espesor [mm] Wall Thickness | 19,05 | Tratamiento Termico Heat Treatment | SI | Colada Heat | 80730 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5134601 |



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 | 0,90 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 47,50 | 47,50 | 0,952 | 0,952 | 0,90 | Agustin Torres | 06/06/11 |
| B | Transversal Interno Transverse ID | 1,00 | 5 | ±0 | 0,953 | 0,953 | 0,953 | 50,80 | 41,90 | 0,953 | 0,953 | 0,86 | Agustin Torres | 06/06/11 |
| C | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 50,80 | 49,00 | 0,945 | 0,973 | 0,90 | Dante Antunez | 06/06/11 |
| D | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 50,80 | 42,00 | 0,981 | 0,954 | 0,88 | Dante Antunez | 06/06/11 |
| E | Agujero Fondo Plano Flat bottom hole | 6,40 | 50 | ±15 | 10,954 | 8,096 | 9,525 | - | - | 10,000 | - | 6,40 | Dante Antunez | 06/06/11 |
| F | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 25,40 | 24,00 | 0,853 | 0,845 | 0,85 | Pablo Mazzeo | 12/08/14 |
| G | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 25,04 | 23,00 | 1,073 | 1,051 | 0,88 | Pablo Mazzeo | 12/08/14 |
| H | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 25,40 | 24,00 | 1,020 | 1,010 | 0,98 | Pablo Mazzeo | 12/08/14 |

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 #**2V077****Datos del Producto**
Product Information

| | | | | | |
|--------------------------------|--------|---------------------------------------|--------------------|-----------------------------------|---------|
| Diametro [mm] Diameter | 158,75 | Cliente Client | SANDVICK MINING | Ciclo Product | 15697 |
| Espesor [mm] Wall Thickness | 19,05 | Tratamiento Termico Heat Treatment | SI | Colada Heat | 80730 |
| Trazabilidad Traceability | 0 | | | Expediente Manufacturing Order | 5134601 |

| 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 | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 1,095 | 0,810 | 0,953 | 25,40 | 24,00 | 0,990 | 0,998 | 0,95 | Pablo Mazzeo | 12/08/14 |
| J | Reduccion de espesor interno | 25,00 | 10 | ±0 | 1,905 | 1,905 | 1,905 | 50,00 | 50,00 | - | - | 25,00 | Default Default | 26/11/15 |

Instrumentos de Medicion Utilizados:**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