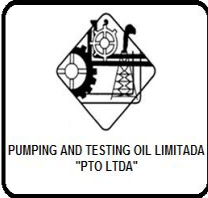
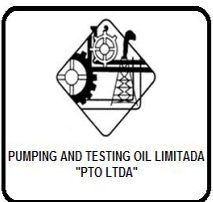


|                                                                                   |                                                                                                   |  |                   |                    |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--|-------------------|--------------------|
|  | <b>DATA SHEET</b>                                                                                 |  | Código            | DO-DS-BTE 220 - MD |
|                                                                                   | <b>PULL JOINTS 2"X5ft -PULL JOINTS 2"X3ft</b><br><b>PULL JOINTS 2"X0,5ft INTEGRAL FIG 1502 2"</b> |  | Versión           | 001                |
|                                                                                   | <b>DIRECCION OPERATIVA</b>                                                                        |  | Fecha Aprobación: | 18/09/2019         |

|                                                                                    |                            |                                                                                                                                        |             |                                                                                     |             |
|------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|-------------|
|   |                            | <div>DATA SHEET</div> <div>PULL JOINTS 2"X5ft -PULL JOINTS 2"X3ft</div> <div>PULL JOINTS 2"X0,5ft</div> <div>INTEGRAL FIG 1502 2</div> |             |  |             |
| REGISTRO FOTOGRAFICO                                                               |                            | INFORMACIÓN                                                                                                                            |             |                                                                                     |             |
|  |                            | PROPIEDAD                                                                                                                              |             | PUMPING AND TESTING OIL LTDA                                                        |             |
|                                                                                    |                            | PROYECTO                                                                                                                               |             | UNIDAD FENTA DE EQUIPOS                                                             |             |
|                                                                                    |                            | MONTADA EN CAMPO                                                                                                                       |             | SI                                                                                  | NO          |
|                                                                                    |                            | FECHA                                                                                                                                  |             | ENERO 2020                                                                          |             |
|                                                                                    |                            | SERVICIO                                                                                                                               |             | CRUDO – LODOS- AGUA                                                                 |             |
|                                                                                    |                            | Nº UNIDADES                                                                                                                            |             | 10                                                                                  |             |
|                                                                                    |                            | INFORMACIÓN DE DISEÑO                                                                                                                  |             |                                                                                     |             |
|                                                                                    |                            | PRESIÓN DE OPERACIÓN                                                                                                                   |             | 15000 MAX PSI                                                                       |             |
|                                                                                    |                            | TEMPERATURA DE OPERACIÓN                                                                                                               |             | 20° to 180° F                                                                       |             |
|                                                                                    |                            | PRESIÓN DE DISEÑO                                                                                                                      |             | 20000 PSI                                                                           |             |
| TEMPERATURA DE DISEÑO                                                              |                            | 140° F                                                                                                                                 |             |                                                                                     |             |
| MAX PRESIÓN PERMITIDA                                                              |                            | 15000 PSI                                                                                                                              |             |                                                                                     |             |
| TIPO                                                                               |                            | MANEJO A MANO                                                                                                                          |             |                                                                                     |             |
| AISLAMIENTO                                                                        | NINGUNO                    | PROTECCIONES DE CHOCK AJUSTABLE                                                                                                        |             | GUAYAS CERTIFICADAS                                                                 |             |
| PINTURA                                                                            | EPOXICA                    | LIMITADO POR                                                                                                                           |             | DISEÑO                                                                              |             |
| INFORMACIÓN TÉCNICA                                                                |                            |                                                                                                                                        |             |                                                                                     |             |
| PULL JOINTS 2" X5ft<br>FIG 1502 HXM                                                |                            | PULL JOINTS 2"X3ft<br>FIG 1502 MXH                                                                                                     |             | PULL JOINTS 2" X 0,5ft<br>FIG 1502 MXH                                              |             |
| PULL JOINTS 2" SPM                                                                 |                            | PULL JOINTS 2"                                                                                                                         |             | PULL JOINTS 2"                                                                      |             |
| CONEXION                                                                           | 2" 1502 H-M                | CONEXION                                                                                                                               | 2" 1502 M-M | CONEXION                                                                            | 2" 1502 MXH |
| PRESION MAX DE TRABAJO                                                             | 15000 psi                  | WP                                                                                                                                     | 15000 PSI   | WP                                                                                  | 15000 PSI   |
| DIAMETRO INTERNO                                                                   | 1.75"                      | DIAMETRO INT                                                                                                                           | 1,83"       | DIAMETRO INT                                                                        | 0,"         |
| PERDIDAS POR CADA 100 FT A 220 GPM                                                 | 100 PSI                    | PERDIDAS POR CADA 100 FT @ 220 GPM                                                                                                     | 100 PSI     | PERDIDAS POR CADA 100 FT @ 220 GPM                                                  | 100 PSI     |
| Material                                                                           | Acero                      | MATERIAL                                                                                                                               | ACERO       | MATERIAL                                                                            | ACERO       |
| SERVICIO                                                                           | STANDAR                    | SERVICIO                                                                                                                               | STANDAR     | SERVICIO                                                                            | STANDAR     |
| CONEXION                                                                           | UNION DE GOLPE 2" FIG 1502 | ALTO                                                                                                                                   | —           | ALTO                                                                                | -           |
| USO RECOMENDADO                                                                    | INYECCION DE AGUA          | LARGO                                                                                                                                  | 36"/3ft     | LARGO                                                                               | 6"/0,5ft    |
|                                                                                    |                            | PESO                                                                                                                                   | 17,5 kg     | PESO                                                                                | 3,5 kg      |
| ALTO                                                                               | -                          | OBSERVACIONES                                                                                                                          |             |                                                                                     |             |
| LARGO                                                                              | 60"/5ft                    |                                                                                                                                        |             |                                                                                     |             |
| PESO                                                                               | 24 kG                      |                                                                                                                                        |             |                                                                                     |             |
| POR SU PESO SE MANIPULA A MANO<br>COMO ACCESORIOS INDIVIDUALES                     |                            |                                                                                                                                        |             |                                                                                     |             |

|                                                                                                                                          |                                                                                                   |  |                   |                    |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--|-------------------|--------------------|
|  <p>PUMPING AND TESTING OIL LIMITADA<br/>"PTO LTDA"</p> | <b>DATA SHEET</b>                                                                                 |  | Código            | DO-DS-BTE 220 - MD |
|                                                                                                                                          | <b>PULL JOINTS 2"X5ft -PULL JOINTS 2"X3ft</b><br><b>PULL JOINTS 2"X0,5ft INTEGRAL FIG 1502 2"</b> |  | Versión           | 001                |
|                                                                                                                                          | <b>DIRECCION OPERATIVA</b>                                                                        |  | Fecha Aprobación: | 18/09/2019         |

## 2" 1502 NPS Pipe

| Style          | Length | Connection Type | Temp | Service Type | Part Number | Inner Dia. (in / mm) | Weight (lb / kg) |
|----------------|--------|-----------------|------|--------------|-------------|----------------------|------------------|
| Non-Detachable | 24"    | Hammer Union    | Low  | Std.         | 2A12519     | 1.75 / 44.5          | 31 / 14.1        |
| Non-Detachable | 36"    | Hammer Union    | Low  | Std.         | 2A12521     | 1.75 / 44.5          | 38 / 17.2        |
| Non-Detachable | 48"    | Hammer Union    | Low  | Std.         | 2A12525     | 1.75 / 44.5          | 45 / 20.4        |
| Non-Detachable | 60"    | Hammer Union    | Low  | Std.         | 2A12526     | 1.75 / 44.5          | 52 / 23.6        |
| Non-Detachable | 72"    | Hammer Union    | Low  | Std.         | 2A12527     | 1.75 / 44.5          | 59 / 26.8        |
| Non-Detachable | 96"    | Hammer Union    | Low  | Std.         | 2A12528     | 1.75 / 44.5          | 72 / 32.7        |
| Non-Detachable | 120"   | Hammer Union    | Low  | Std.         | 2A12530     | 1.75 / 44.5          | 86 / 39          |