Linea

# LINEA SOLDABLE

# Ficha Técnica

- **Fúncion:** Conducir agua a temperatura ambiente en las instalaciones prediales de agua fría.

- **Aplicaciones:** Instalaciones domiciliarias, piscinas, riego etc.

## 1. CARACTERÍSTICAS TÉCNICAS:

- Tamaños: 20, 25, 32, 40, 50, 63, 75, 90,110, 125, 140, 160, 200 milímetros;
- Presión de servicio: 4, 6 y10 Bar a temperatura de 20°C;
- Color: Gris

### 1.1. Normas de Referencia:

- IRAM 13351.

### 1.2. Ítems Complementarios:

- Adhesivo Tigre;
- Solución Limpiadora Tigre.

AGOSTO/2017

## 2. BENEFICIOS:

**Linea soldable:** Facilidad de instalación: juntas soldadas en frío, no necesita uso de herramientas y equipos sofisticados; resistente a productos químicos, por lo que no se corroe;
**Conexiones con buje de latón:** El buje mantiene la integridad de la rosca interna y guía la rosca macho metálica;
**Curva de transposición:** Evita tensiones en la tubería y economía debido a solución en pieza única;

**Cupla de Reparación:** Rapidez en la reparación, por lo que se puede aplicar presión inmediatamente después de su instalación.

## 3. INSTRUCCIONES:

### 3.1. Montaje:

Ejecución de las juntas soldables:

**Paso 1:** Lije las superficies que se vayan a soldar utilizando lija TIGRE.

**Paso 2:** Limpiar las superficies lijadas con Solución Limpiadora TIGRE para eliminar impurezas y grasas.

**Paso 3:** Distribuir uniformemente el adhesivo con un pincel o el aplicador del pomo en las campanas y en las espigas que se vayan a soldar.

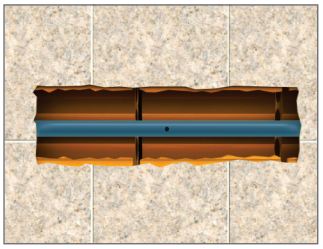
**Paso 4:** Encaje de una vez las extremidades que se vayan a soldar, realizando un leve movimiento de rotación entre las piezas 1/4 vuelta hasta que alcancen la posición definitiva. Encajar las partes y remover cualquier exceso de adhesivo y espere 1 hora para llenar la tubería de agua y 12 horas para hacer la prueba de presión.

### 3.2. Almacenamiento:

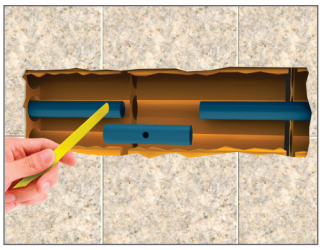
- Debe ser en un lugar de fácil acceso y libre de la acción directa o de exposición continua al sol;
- Se recomienda el apilamiento máximo de sacos o packs amarrados hasta una altura de 1,50 metros;
- Se debe evitar impactos fuertes;
- En las operaciones de carga se debe evitar choques, golpes y roce de los embalajes para prevenir quiebres.

### 3.3. Mantención:

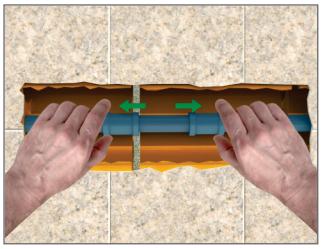
**Paso 1:** Para resolver los problemas que ocurren en puntos localizados en los tubos de instalaciones ya concluidas como consecuencia de pequeños accidentes (agujeros por clavos o taladro), o vaciamientos en juntas mal ejecutadas, TIGRE ofrece a sus consumidores la Cupla de Reparación TIGRE.



**Paso 2:** La Cupla de Reparación TIGRE tiene pequeña dimensión y un sistema de acoplamiento que permite la interconexión entre dos puntos fijos. La pared deberá abrirse solamente en un pequeño trecho, junto al punto afectado.



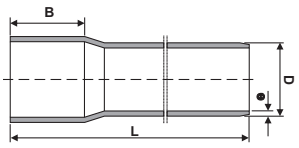
**Paso 3:** La solución de problema con Cupla de Reparación no necesita el uso de adhesivo ni roscas, pues las coplas poseen anillos de caucho para el sellado. El trecho dañado debe sustituirse por un segmento del mismo tipo de tubo. Use dos Cuplas de Reparación, una en cada extremidad.



**Paso 4:** Además, la Cupla de Reparación TIGRE puede utilizarse también en tuberías expuestas que posean grandes trechos rectos para corregir o prevenir problemas provocados por los efectos de dilatación y contracción térmica. En este caso, se deben tomar ciertas precauciones para evitar sudes plazamiento. La Cupla de Reparación debe fijarse para que solamente el tubo se mueva.

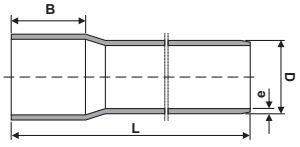
## 4. ITEMS DE LA LINEA:

### Tubo soldable PVC CL 10



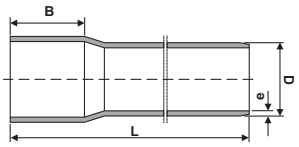

| Dimensiones (mm) | B (mm) | D (mm) | e (mm) | L (mm) |
|---|---|---|---|---|
| 20 | 32 | 20 | 1.0 | 6000 |
| 25 | 32 | 25 | 1.2 | 6000 |
| 32 | 32 | 32 | 1.6 | 6000 |
| 40 | 32 | 40 | 2.0 | 6000 |
| 50 | 43 | 50 | 2.4 | 6000 |
| 63 | 48 | 60 | 3.0 | 6000 |
| 75 | 70 | 75 | 3.6 | 6000 |
| 90 | 77 | 85 | 4.3 | 6000 |
| 110 | 82 | 110 | 5.3 | 6000 |
| 125 | 85 | 125 | 6 | 6000 |
| 140 | 85 | 140 | 6.7 | 6000 |
| 160 | 92 | 160 | 7.7 | 6000 |
| 200 | 108 | 200 | 9.6 | 6000 |

### Tubo soldable PVC CL 6



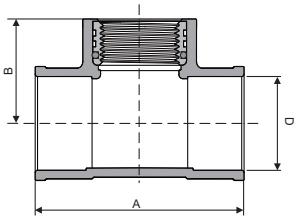

| Dimensiones (mm) | B (mm) | D (mm) | e (mm) | L (mm) |
|---|---|---|---|---|
| 40 | 32 | 40 | 1.3 | 6000 |
| 50 | 43 | 50 | 1.7 | 6000 |
| 63 | 48 | 60 | 1.9 | 6000 |
| 75 | 70 | 75 | 2.2 | 6000 |
| 90 | 77 | 85 | 2.7 | 6000 |
| 110 | 82 | 110 | 3.2 | 6000 |
| 140 | 85 | 140 | 4.1 | 6000 |
| 160 | 92 | 160 | 4.7 | 6000 |
| 200 | 108 | 200 | 5.9 | 6000 |

### Tubo soldable PVC CL 4



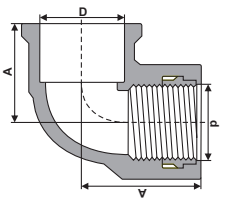

| Dimensiones (mm) | B (mm) | D (mm) | e (mm) | L (mm) |
|---|---|---|---|---|
| 50 | 43 | 40 | 1.1 | 6000 |
| 63 | 48 | 50 | 1.3 | 6000 |
| 75 | 70 | 60 | 1.6 | 6000 |
| 90 | 77 | 75 | 1.8 | 6000 |
| 110 | 82 | 110 | 2.2 | 6000 |

### Te 90° con buje de Bronce HHH



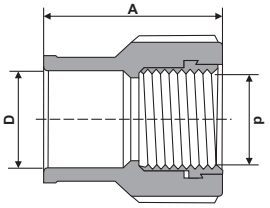

| Dimensiones (mm x pulg.) | A (mm) | B (mm) | D (mm) | d (mm) |
|---|---|---|---|---|
| 20 x ½" | 54 | 27 | 20 | ½" |
| 25 x ¾" | 65 | 32 | 25 | ¾" |
| 25 x ½" | 59 | 30.5 | 25 | ½" |
| 32 x ¾" | 72 | 35.5 | 32 | ¾" |

### Codo 90° con buje de Bronce HH



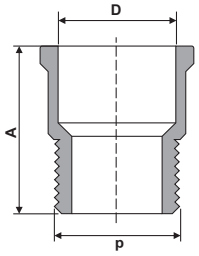

| Dimensiones (mm x pulg.) | A (mm) | B (mm) | D (mm) | d (mm) |
|---|---|---|---|---|
| 20 x ½" | 27 | 27 | 20 | ½" |
| 25 x ¾" | 31 | 31 | 25 | ½" |
| 25 x ½" | 31 | 31 | 25 | ¾" |
| 32 x ¾" | 37 | 31 | 32 | ¾" |

## Cupla con buje de Bronce HH




| Dimensiones (mm x pulg.) | A (mm) | B (mm) | D (mm) |
|---|---|---|---|
| 20 x ½" | 33 | 20 | ½" |
| 25 x ¾" | 38 | 25 | ¾" |

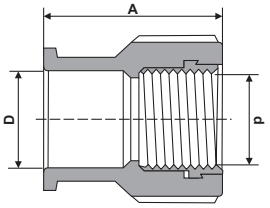
## Manguito SD/BR MH




| Dimensiones | A (mm) | D (mm) | d (mm) |
|---|---|---|---|
| 20 x ½" | 37.1 | 20 | ½" |
| 25 x ¾" | 40.3 | 25 | ¾" |
| 32 x 1" | 50.7 | 32 | 1" |
| 40 x 11/4" | 56.7 | 40 | 1 ¼" |
| 40 x 11/2" | 53.3 | 40 | 1 ½" |
| 50 x 11/4" | 66.1 | 52 | 1 ¼" |
| 50 x 11/2" | 63 | 52 | 1 ½" |
| 50 x 2" (A) | 63 | 40 | 2" |
| 63 x 2" | 72.7 | 60 | 2" |
| 63 x 2 ½" (A) | 886.3 | 60 | 2 ½" |
| 75 x 2 ½" | 86.3 | 75 | 2 ½" |
| 75 x 3" (A) | 94.3 | 75 | 3" |
| 90 x 3" | 94.3 | 85 | 3" |
| 110 x 4" | 115.9 | 110 | 4" |

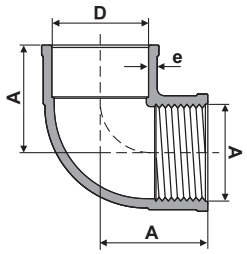
(A) Inyectado

## Cupla SD/BR HH



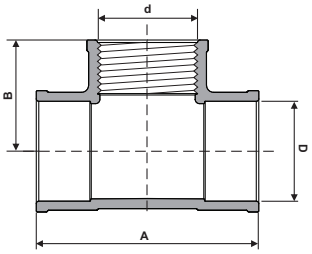

| Dimensiones (mm) x pulg.) | A (mm) | D (mm) | d (mm) |
|---|---|---|---|
| 20 x ½" | 33.0 | 20 | ½" |
| 25 x ¾" | 38.0 | 25 | ¾" |
| 32 x 1" | 49.0 | 32 | 1" |
| 40 x 11/4" | 54.4 | 40 | 1 ¼" |
| 50 x 11/2" | 60.0 | 50 | 1 ½" |

## Codo 90° SD/BR HH



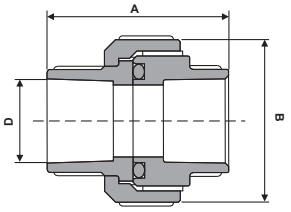

| Dimensiones (mm x pulg.) | A (mm) | B (mm) | D (mm) | d (mm) | e (mm) |
|---|---|---|---|---|---|
| 20 x ½" | 30 | 28 | 20 | ½" | 20 |
| 25 x ¾" | 32 | 30 | 25 | ¾" | 25 |
| 32 x 1" | 32 | 34.3 | 32 | 1" | 22.5 |
| 25 x ½" | 34 | 32 | 25 | ½" | 25 |
| 32 x ¾" | 37 | 32 | 32 | ¾" | 32 |

## Te 90° SD/BR HHH



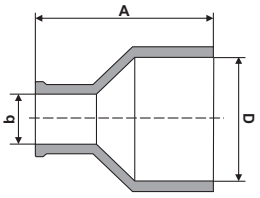

| Dimensiones (mm x pulg.) | A (mm) | B (mm) | D (mm) | d (mm) |
|---|---|---|---|---|
| 20 x ½" | 53 | 29.5 | 20 | ½" |
| 25 x ¾" | 58 | 32.5 | 25 | ¾" |
| 25 x ½" | 61 | 34.5 | 25 | ½" |
| 32 x ¾" | 78 | 35.5 | 32 | ¾" |

## Unión Doble HH



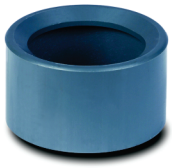

| Dimensiones (mm) | A (mm) | B (mm) | d (mm) |
|---|---|---|---|
| 20 | 46 | 48.0 | 20 |
| 25 | 51 | 54.5 | 25 |
| 32 | 55 | 64.0 | 32 |
| 40 | 58 | 79.0 | 40 |
| 50 | 68 | 87.5 | 50 |
| 63 | 78 | 105.0 | 63 |
| 75 | 94 | 128.0 | 75 |
| 90 | 109 | 148.5 | 90 |
| 110 | 150 | 184 | 110 |

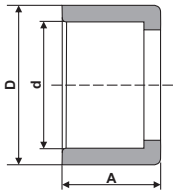
## Buje Reducción Largo MH




| Dimensiones (mm) | A (mm) | D (mm) | d (mm) |
|---|---|---|---|
| 32 x 20 | 44 | 32 | 20 |
| 40 x 20 | 51.6 | 40 | 20 |
| 40 x 25 | 51.8 | 40 | 25 |
| 50 x 20 | 55.8 | 50 | 20 |
| 50 x 25 | 31 | 50 | 25 |
| 50 x 32 | 61.3 | 50 | 32 |
| 63 x 25 | 70.5 | 63 | 25 |
| 63 x 32 | 70.9 | 63 | 32 |
| 63 x 40 | 71.3 | 63 | 40 |
| 63 x 50 | 71.8 | 63 | 50 |
| 75 x 50 | 85.5 | 75 | 50 |

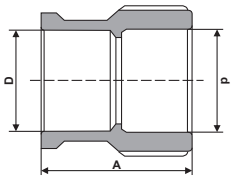
## Buje Reducción Corto HH





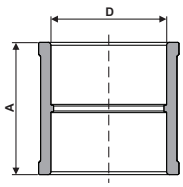

| Dimensiones (mm) | A (mm) | D (mm) | d (mm) |
|---|---|---|---|
| 25 x 20 | 18.5 | 25 | 20 |
| 32 x 25 | 22 | 32 | 25 |
| 40 x 32 | 26 | 40 | 32 |
| 50 x 40 | 31 | 50 | 40 |
| 63 x 50 | 36 | 60 | 50 |
| 75 x 63 | 43.5 | 75 | 60 |
| 90 x 75 | 48.5 | 85 | 75 |
| 110 x 63 | 31 | 110 | 85 |
| 110 x 75 | 60 | 110 | 80 |
| 110 x 90 | 60 | 110 | 90 |

## Cupla Reducción HH



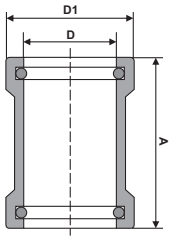

| Dimensiones (mm) | A (mm) | D (mm) | d (mm) |
|---|---|---|---|
| 25 x 20 | 35 | 20 | 25 |
| 32 x 25 | 42 | 25 | 32 |

## Cupla HH



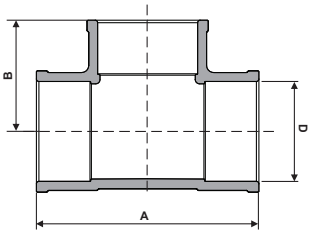

| Dimensiones (mm) | A (mm) | D (mm) |
|---|---|---|
| 20 | 35 | 20 |
| 25 | 42 | 25 |
| 32 | 48 | 32 |
| 40 | 56 | 40 |
| 50 | 67 | 50 |
| 63 | 80 | 60 |
| 75 | 102 | 75 |
| 90 | 102 | 90 |
| 110 | 130 | 110 |

## Cupla Deslizante HH (reparación)



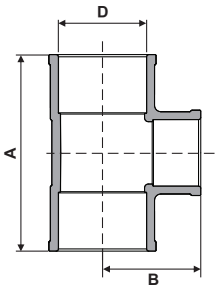

| Dimensiones (mm) | A (mm) | D (mm) | D1 (mm) |
|---|---|---|---|
| 20 | 46.0 | 30.4 | 30.6 |
| 25 | 51.5 | 25.4 | 36.0 |

## Te 90° HH



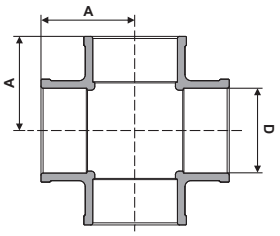

| Dimensiones (mm) | A (mm) | B (mm) | D (mm) |
|---|---|---|---|
| 20 | 54 | 27.0 | 20 |
| 25 | 64 | 32.0 | 25 |
| 32 | 78 | 39.0 | 32 |
| 40 | 94 | 47.0 | 40 |
| 50 | 114 | 57 | 50 |
| 63 | 142.6 | 71.3 | 63 |
| 75 | 174.5 | 87.2 | 75 |
| 90 | 195.4 | 97.7 | 90 |
| 110 | 248 | 124 | 110 |

## Te Reducción HHH



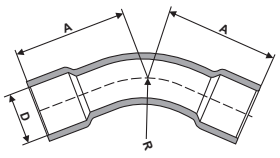

| Dimensiones (mm) | A (mm) | B (mm) | D (mm) | d (mm) |
|---|---|---|---|---|
| 25 x 20 | 60 | 31 | 25 | 20 |
| 32 x 25 | 78 | 39 | 32 | 25 |
| 40 x 32 | 86 | 43 | 40 | 32 |
| 50 x 25 | 117 | 51 | 50 | 20 |
| 50 x 32 | 117 | 52 | 50 | 25 |
| 50 x 40 | 117 | 53 | 50 | 32 |
| 90 x 75 | 117 | 59 | 40 | 40 |
| 110 x 75 | 228.6 | 109 | 110 | 63 |
| 110 x 90 | 210 | 109 | 110 | 90 |

## Cruceta HHHH



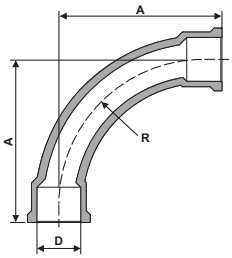

| Dimensiones (mm) | A (mm) | d (mm) |
|---|---|---|
| 20 | 27 | 20 |
| 25 | 32 | 25 |
| 32 | 39 | 32 |
| 40 | 47 | 40 |
| 50 | 57 | 50 |
| 63 | 67 | 63 |
| 75 | 82.5 | 75 |
| 90 | 93 | 90 |

## Curva 45° HH



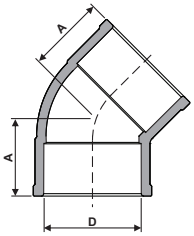

| Dimensiones (mm) | A (mm) | D (mm) | R (mm) |
|---|---|---|---|
| 50 | 141 | 50 | 75 |
| 6 | 105 | 60 | 110 |
| 75 | 135 | 75 | 130 |
| 90 | 155 | 90 | 150 |
| 110 | 215 | 110 | 220 |

## Curva 90° HH



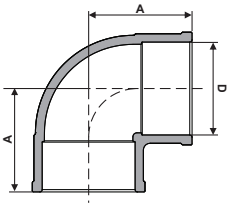

| Dimensiones (mm) | A (mm) | D (mm) | R (mm) |
|---|---|---|---|
| 20 | 56 | 20 | 40 |
| 25 | 68.5 | 25 | 56.3 |
| 32 | 86 | 32 | 64 |
| 40 | 106 | 40 | 90.55 |
| 50 | 131 | 50 | 110.45 |
| 63 | 156 | 60 | 135.86 |
| 75 | 175 | 75 | 117.5 |
| 90 | 245 | 90 | 112 |
| 110 | 300 | 110 | 131 |

## Codo 45° HH



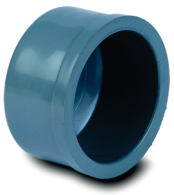

| Dimensiones (mm) | A (mm) | d (mm) |
|---|---|---|
| 20 | 22.3 | 20 |
| 25 | 25 | 24.5 |
| 32 | 32 | 29.5 |
| 40 | 40 | 35.5 |
| 50 | 50 | 42.5 |
| 63 | 63 | 49.5 |
| 90 | 101 | 90 |
| 75 | 90 | 75 |
| 110 | 126 | 110 |

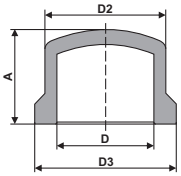
## Codo 90° HH




| Dimensiones (mm) | A (mm) | d (mm) |
|---|---|---|
| 20 | 27 | 20 |
| 25 | 32 | 25 |
| 32 | 39 | 32 |
| 40 | 47 | 40 |
| 50 | 57 | 50 |
| 63 | 67 | 60 |
| 90 | 75 | 87.2 |
| 75 | 85 | 97.7 |
| 110 | 124 | 110 |

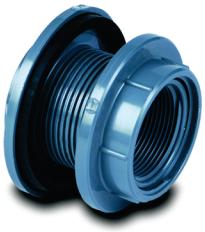
## Tapa H

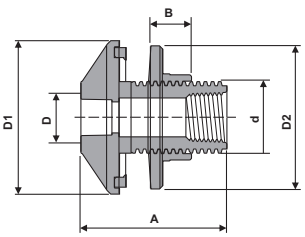





| Dimensiones (mm) | A (mm) | D (mm) | D2 (mm) | D3 (mm) |
|---|---|---|---|---|
| 20 | 16 | 20 | 24.8 | 28.5 |
| 25 | 18.5 | 25 | 30.2 | 34.0 |
| 32 | 22 | 32 | 37.8 | 43.0 |
| 40 | 26 | 4 | 46.5 | 52.0 |
| 50 | 31 | 50 | 67.2 | 63.0 |
| 63 | 36 | 63 | 38.6 | 76.0 |
| 75 | 43.5 | 75 | 85.6 | 95.0 |
| 90 | 48.5 | 90 | 100.2 | 104.4 |
| 110 | 58.8 | 110 | 129.3 | 134.9 |

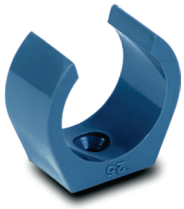
## Conexión para Tanque de Agua H

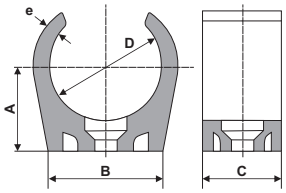





| Dimensiones (mm) | A (mm) | B (mm) | D (mm) | d (mm) | D1 (mm) | D2 (mm) |
|---|---|---|---|---|---|---|
| 20 | 61 | 17 | 20 | ½" | 64.1 | 60 |
| 25 | 61 | 17 | 25 | ¾" | 70.1 | 66 |
| 32 | 64 | 20 | 32 | 1" | 79.4 | 74 |
| 40 | 64 | 20 | 40 | 1.¼" | 87.4 | 82 |
| 50 | 67 | 23 | 50 | 1.½" | 94.7 | 88 |

**Abrazadera p/ tubo**






| Dimensiones | A | B | C | e | D |
|---|---|---|---|---|---|
| (mm) | (mm) | (mm) | (mm) | (mm) | (mm) |
| 20 | 14.25 | 20 | 15 | 2.8 | 20 |
| 25 | 17 | 20 | 15 | 3.5 | 25 |