

M

GUIA DE UTILIZACIÓN DE MATRICES



FABRICANTE DE CONEXIÓN Y MATERIAL DE SEGURIDAD



OFICINA Y ALMACÉN

C/ Thomas Alva Edison, 16-17
Pol. Industrial Plans d'Arau
08787 La Pobla de Claramunt (Barcelona) España

FÁBRICA Y LABORATORIO

C/ Thomas Alva Edison, 12-13
Pol. Industrial Plans d'Arau
08787 La Pobla de Claramunt (Barcelona) España

ATENCIÓN AL CLIENTE

Tel. +34 93 808 79 80
ventas@sofamel.es
export@sofamel.es

www.sofamel.com

Sofamel S.L. es una empresa española dedicada a la fabricación de material eléctrico de conexión, así como material de seguridad y protección eléctrica.

El principal objetivo de Sofamel ha sido alcanzar un elevado grado de especialización con el ánimo de brindar una solución global a nuestros clientes. Todo ello respaldado por unos estrictos cánones de calidad como también por fuertes inversiones en maquinaria y diseño para la fabricación de todos aquellos productos que salen de nuestra fábrica y que nos ha permitido ofrecer una de las gamas más amplias de artículos existentes en el mercado.

Nuestro compromiso con el trabajo bien hecho hace que poseamos el certificado gestión de la calidad según la norma UNE-EN ISO 9001: 2015 y el certificado I+D+i según la norma UNE 166002:2006 otorgados por la Asociación Española de Normalización y Certificación (AENOR).

The image shows the exterior of a modern building with a grey facade and large windows. The 'sofamel' logo is prominently displayed in blue, illuminated letters on the building's facade. The building is set against a dramatic, cloudy sky at dusk or dawn. In the foreground, there is a paved area with some greenery and a small blue and white sculpture.

sofamel

sofamel



índice

MATRICES DE CRIMPADO - SERIE 50

- 06 Terminales y manguitos tubulares
- 06 Terminales TDT
- 07 Conectores y terminales RJU, BT, RBT, RJA, TBF y TBEM
- 07 Terminales bimetalicos TDC/S y TDC/A
- 07 Petacas de derivación

MATRICES DE CRIMPADO - SERIE 60

- 08 Terminales y manguitos tubulares
- 08 Terminales TDT
- 09 Conectores y terminales RJU, BT, RBT, RJA, TBF y TBEM
- 09 Terminales bimetalicos TDC/S y TDC/A
- 09 Petacas de derivación

MATRICES DE CRIMPADO - SERIE 130

- 10 Norma DIN
- 10 Terminales y manguitos tubulares
- 11 Terminales TDT
- 11 Conectores y terminales de cobre y aluminio RJU, BT, RBT, RJA, TBF y TBEM
- 12 Terminales bimetalicos TDC/S y TDC/A crimpado hexagonal
- 12 Petacas de derivación

MATRICES DE CRIMPADO POR PUNZONADO PROFUNDO SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - SERIE 130

- 13 Terminales TDC/S
- 13 Conectores y terminales de aluminio y bimetalicos

MATRICES DE CRIMPADO HEXAGONAL - SERIE 200

- 14 Terminales y manguitos tubulares
- 15 Norma DIN
- 16 Manguito RJU
- 16 Conectores y terminales BT, RBT, RJA, TBF, TBEM y TDC

MATRICES DE CRIMPADO DE PUNZONADO PROFUNDO SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - SERIE 200

- 17 Conectores TDC/S y TDC/A
- 18 Conectores y terminales BT, RBT, BF y TBEM
- 19 Conectores RJA

MATRICES CIRCULARES - SERIE 200

- 20 Petacas de derivación

MATRICES DE CRIMPADO HEXAGONALES Y CIRCULARES - SERIE 250

- 21 Terminales y manguitos tubulares
- 22 Norma DIN
- 23 Conectores de cobre RJU
- 23 Conectores y terminales de aluminio y bimetalicos BT, RBT, RJA, TBF y TBEM
- 24 Terminales TDC/S y TDC/A
- 24 Petacas de derivación

26 ÍNDICE POR CÓDIGOS

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO - **SERIE 50**



TERMINALES Y MANGUITOS TUBULARES

| MATRIZ | COBRE | | | | | | | | | ALUMINIO | | |
|--------------------------------------|---------------|--|----------------------|--|--|--|--|--|---------------|----------------------|--|--|
| HD5 | | | | | | | | | | | | |
| Secc. transversal (mm ²) | Ref. matrices | | Ancho de huella (mm) | | | | | | Ref. matrices | Ancho de huella (mm) | | |
| 10 | HD5-07 | | 7 | | | | | | - | - | | |
| 16 | HD5-08 | | | | | | | | | | | |
| 25 | HD5-10 | | | | | | | | | | | |
| 35 | HD5-11 | | 5 | | | | | | HD5-11 | 7 | | |
| 50 | HD5-13 | | | | | | | | | | | |
| 70 | HD5-14 | | 7 | | | | | | HD5-14 | 5 | | |
| 95 | HD5-17 | | | | | | | | | | | |
| 120 | HD5-18 | | 5 | | | | | | HD5-17 | 7 | | |
| 150 | HD5-20 | | | | | | | | | | | |
| 185 | HD5-22 | | 5 | | | | | | HD5-18 | 5 | | |
| 240 | HD5-25 | | | | | | | | | | | |
| | | | | | | | | | HD5-21 | 5 | | |
| | | | | | | | | | HD5-25 | | | |
| | | | | | | | | | - | - | | |

TERMINALES TDT

| MATRIZ | COBRE | |
|--------------------------------------|----------------|----------------------|
| HD5 | TDT | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) |
| 50 | HD5-14 | 5 |
| 70 | HD5-14 | |
| 95 | HD5-18 | |
| 120 | HD5-20 | |
| 150 | HD5-22 | |
| 185 | HD5-22 | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO - **SERIE 50**



CONECTORES Y TERMINALES RJU, BT, RBT, RJA, TBF Y TBEM

| MATRIZ | COBRE | | ALUMINIO / BIMETÁLICOS | |
|--------------------------------------|----------------|----------------------|--------------------------------|----------------------|
| HD5 | RJU | | BT RBT RJA TBF TBEM | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) | Ref. matrices | Ancho de huella (mm) |
| 25 | HD5-20 | 5 | HD5-20 | 5 |
| 35 | | | | |
| 50 | | | | |
| 70 | | | | |
| 95 | | | | |
| 120 | HD5-25 | - | HD5-25 | |
| 150 | | | - | |
| 185 | - | - | - | - |
| 30 | - | - | HD5-20 | 5 |
| 56 | - | - | HD5-20 | |
| 78 | - | - | HD5-25 | |
| 110 | - | - | HD5-25 | - |

TERMINALES BIMETÁLICOS TDC/S Y TDC/A

| MATRIZ | TDC/S | |
|--------------------------------------|------------------|----------------------|
| HD5 | TDC/S | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) |
| 16 | - | - |
| 25 | | |
| 35 | | |
| 50 | | |
| 70 | | |
| 95 | HD5-20 | 5 |
| 120 | HD5-25 | |
| 150 | HD5-25 | |
| 30 | HD5-20 | |
| 54,6 | | |
| 56 | | |
| 78 | | |
| 80 | HD5-20 | |
| 110 | | |
| 145 | HD5-25 | |

PETACAS DE DERIVACIÓN

| MATRIZ | TDC/A | |
|-----------------|------------------------|----------------------|
| CDC5 | CRC CRA CRS | |
| Referencia | Ref. matrices | Ancho de huella (mm) |
| CRC-3 | CDC5-25 | 9 |
| CRC-4 | | |
| CRC-5 | | |
| CRC-6 | | |
| CRC-7 | | |
| CRA-1 | CDC5-35 | |
| CRS-1 | | |
| CRC-8 | | |
| CRC-9 | CDC5-70 | |
| CRA-2 | | |
| CRS-0 | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO - **SERIE 60**



TERMINALES Y MANGUITOS TUBULARES

| MATRIZ | COBRE | | | | | | | | ALUMINIO | | |
|--------------------------------------|---------------|--|----------------------|--|--|--|--|---------------|----------------------|--|--|
| <p>HD6</p> | | | | | | | | | | | |
| Secc. transversal (mm ²) | Ref. matrices | | Ancho de huella (mm) | | | | | Ref. matrices | Ancho de huella (mm) | | |
| 10 | HD6-07 | | 7 | | | | | - | - | | |
| 16 | HD6-08 | | 7 | | | | | HD6-10 | - | | |
| 25 | HD6-10 | | 12 | | | | | HD6-11 | 12 | | |
| 35 | HD6-11 | | 12 | | | | | HD6-13 | - | | |
| 50 | HD6-13 | | 10 | | | | | HD6-14 | 10 | | |
| 70 | HD6-14 | | 10 | | | | | HD6-17 | 9 | | |
| 95 | HD6-17 | | 9 | | | | | HD6-18 | 8 | | |
| 120 | HD6-18 | | 8 | | | | | HD6-21 | 12 | | |
| 150 | HD6-20 | | 6 | | | | | HD6-25 | 5 | | |
| 185 | HD6-22 | | 6 | | | | | HD6-28 | - | | |
| 240 | HD6-25 | | 5 | | | | | - | - | | |
| 300 | HD6-28 | | 5 | | | | | - | - | | |

TERMINALES TDT

| MATRIZ | COBRE | |
|--------------------------------------|-------------------|----------------------|
| <p>HD6</p> | <p>TDT</p> | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) |
| 50 | HD6-14 | 10 |
| 70 | HD6-18 | 8 |
| 95 | HD6-20 | 6 |
| 120 | HD6-22 | 6 |
| 150 | HD6-28 | 5 |
| 185 | HD6-28 | 5 |
| 240 | HD6-28 | 5 |

GUÍA DE UTILIZACIÓN DE MATRICES

MATRICES DE CRIMPADO - SERIE 60



CONECTORES Y TERMINALES RJU, BT, RBT, RJA, TBF Y TBEM

| MATRIZ | COBRE | | ALUMINIO / BIMETÁLICOS | |
|--------------------------------------|----------------|----------------------|--------------------------------|----------------------|
| HD6 | RJU | | BT RBT RJA TBF TBEM | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) | Ref. matrices | Ancho de huella (mm) |
| 25 | HD6-20 | 6 | HD6-20 | 6 |
| 35 | | | HD6-20 | |
| 50 | | | HD6-20 | |
| 70 | | | HD6-20 | |
| 95 | | | HD6-20 | |
| 120 | HD6-25 | 5 | HD6-25 | 5 |
| 150 | | | HD6-25 | |
| 185 | - | - | - | - |
| 30 | - | - | HD6-20 | 6 |
| 56 | | | HD6-20 | |
| 78 | | | HD6-20 | |
| 110 | | | HD6-25 | |

TERMINALES BIMETÁLICOS TDC/S Y TDC/A

| MATRIZ | TDC/S | |
|--------------------------------------|------------------|----------------------|
| HD6 | TDC/S | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) |
| 16 | - | - |
| 25 | | |
| 35 | | |
| 50 | HD6-20 | 6 |
| 70 | | |
| 95 | HD6-25 | 5 |
| 120 | | |
| 150 | HD6-20 | 6 |
| 30 | | |
| 54,6 | | |
| 56 | | |
| 78 | HD6-25 | 5 |
| 80 | | |
| 110 | | |
| 145 | - | - |

PETACAS DE DERIVACIÓN

| MATRIZ | CRC CRA CRS | |
|---------------------|------------------------|----------------------|
| CD13 | CRC CRA CRS | |
| Referencia | Ref. matrices | Ancho de huella (mm) |
| CRC-3 | CDC6-25 | 5 |
| CRC-4 | | |
| CRC-5 | | |
| CRC-6 | CDC6-35 | |
| CRC-10 | CDC6-95 | |
| CRC-11 | | |
| CRC-12 | CDC6-35 | |
| CRC-7 | | |
| CRA-1 | | |
| CRS-1 | CDC6-70 | |
| CRC-8 | | |
| CRC-9 | | |
| CRA-2 | | |
| CRS-0 | - | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO - **SERIE 130**



| NORMA DIN | | | | | |
|--------------------------------------|----------------------------|----------------------|----------------------------|---------------|------------------------------|
| MATRIZ | COBRE | | | ALUMINIO | |
| MK-C | TCD (DIN 46235) | | MCD (DIN 46267) | | TBE/D (DIN 46329) |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) | | Ref. matrices | Ancho de huella (mm) |
| 10 | MK6-C | 7 | | - | - |
| 16 | MK8-C | | | | |
| 25 | MK10-C | 12 | | MK12-C | 12 |
| 35 | MK12-C | | | MK14-C | |
| 50 | MK14-C | 12 | MK16-C | | |
| 70 | MK16-C | | MK18-C | | |
| 95 | MK18-C | | MK22-C | | |
| 120 | MK20-C | 10 | MK25-C | 10 | |
| 150 | MK22-C | | MK28-C | | |
| 185 | MK25-C | | MK32-C | | |
| 240 | MK28-C | 7 | MK34-C | 7 | |
| 300 | MK32-C | | | | |

| TERMINALES Y MANGUITOS TUBULARES | | | | | | | | | | | | |
|--------------------------------------|---------------|---------------|-----------------|-----------------|---------------|----------------|---------------|--------------|----------------------|----------------|-----------------|----------------------|
| MATRIZ | COBRE | | | | | | | | ALUMINIO | | | |
| HD13 | T | TL | T45° | T90° | TT | TPE | CP | M | MAL | TBE | TBES | |
| Secc. transversal (mm ²) | Ref. matrices | | | | | | | | Ancho de huella (mm) | | Ref. matrices | Ancho de huella (mm) |
| 10 | HD13-07 | | | | | | | | 7 | | - | - |
| 16 | | | | | | | | | | | HD13-08 | |
| 25 | HD13-10 | | | | | | | | HD13-11 | | | |
| 35 | | | | | | | | | HD13-11 | | | |
| 50 | HD13-13 | | | | | | | | | | | |
| 70 | | | | | | | | | HD13-14 | | | |
| 95 | HD13-17 | | | | | | | | | | | |
| 120 | | | | | | | | | HD13-18 | | | |
| 150 | HD13-20 | | | | | | | | | | | |
| 185 | | | | | | | | | HD13-22 | | | |
| 240 | HD13-25 | | | | | | | | | | | |
| 300 | | | | | | | | | HD13-28 | | | |
| 400 | HD13-32 | | | | | | | | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO - **SERIE 130**



TERMINALES TDT

| MATRIZ | COBRE | |
|--------------------------------------|----------------|----------------------|
| HD13 | TDT | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) |
| 50 | HD13-14 | 12 |
| 70 | | |
| 95 | | |
| 120 | | |
| 150 | HD13-22 | 10 |
| 185 | | |
| 240 | HD13-28 | 7 |
| 300 | HD13-32 | |
| 400 | HD13-34 | |

CONECTORES Y TERMINALES DE COBRE Y ALUMINIO RJU, BT, RBT, RJA, TBF Y TBEM




| MATRIZ | COBRE | | ALUMINIO / BIMETÁLICOS | | |
|--------------------------------------|----------------|----------------------|--------------------------------|----------------------|--|
| HD13 | RJU | | BT RBT RJA TBF TBEM | | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) | Ref. matrices | Ancho de huella (mm) | |
| 25 | HD13-20 | 12 | HD13-20 | 12 | |
| 35 | | | | | |
| 50 | | | | | |
| 70 | | | | | |
| 95 | | | | | |
| 120 | HD13-25 | 7 | HD13-25 | 7 | |
| 150 | | | | | |
| 185 | - | - | - | - | |
| 240 | | | | | |
| 30 | | | | | |
| 56 | | | | | |
| 78 | - | - | - | - | |
| 110 | | | | | |
| 180 | | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**






MATRICES DE CRIMPADO - **SERIE 130**



TERMINALES BIMETÁLICOS TDC/S Y TDC/A CRIMPADO HEXAGONAL

| MATRIZ | | | |
|---|---------------|---|--|
|  | |  | |
|  | | | |
| HD13 | | TDC/S | |
| Secc. transversal (mm ²) | Ref. matrices | Ancho de huella (mm) | |
| 50 | HD13-20 | 12 | |
| 70 | | | |
| 95 | | | |
| 120 | | | |
| 150 | HD13-25 | | |
| 185 | | | |
| 240 | HD13-32 | | |
| 30 | | | |
| 54,6 | HD13-20 | | |
| 56 | | | |
| 78 | | | |
| 80 | | | |
| 110 | HD13-25 | | |
| 145 | | | |
| 180 | HD13-32 | 7 | |

PETACAS DE DERIVACIÓN

| MATRIZ | | | | | |
|---|---------------|---|---------------------|---|---|
|  | |  | |  |  |
|  | | | | | |
| HD13 | | CRC | | CRA | CRS |
| Referencia COBRE | Ref. matrices | Ancho de huella (mm) | Referencia ALUMINIO | Ref. matrices | Ancho de huella (mm) |
| CRC-3 | CD13-25 | 35 | CRS-0 | CD13-70 | 35 |
| CRC-4 | | | | | |
| CRC-5 | | | | | |
| CRC-6 | | | | | |
| CRC-7 | CD13-35 | | | | |
| CRC-8 | | | | | |
| CRC-9 | CD13-70 | | | | |
| CRC-10 | | | | | |
| CRC-11 | CD13-95 | | | | |
| CRC-12 | | | | | |
| CRC-13 | CD13-150 | | | | |
| CRC-14 | | | | | |
| CRC-15 | | | | | |
| CRC-16 | | CD13-300 | | | |
| | | | CRA-2 | CD13-35 | |
| | | | CRS-1 | | |
| | | | CRA-1 | CD13-120 AL | |
| | | | CRS-3 | | |
| | | | CRA-3 | CD13-300 | |
| | | | CRS-8 | | |
| | | | CRA-3A | | |
| | | | CRS-9 | | |
| | | | CRA-4 | | |
| | | | CRS-10 | | |
| | | | CRS-11 | | |
| | | | CRS-12 | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**






MATRICES DE CRIMPADO POR PUNZONADO PROFUNDO
SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - **SERIE 130**



TERMINALES TDC/S

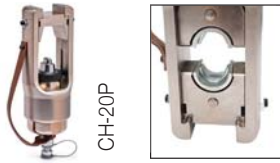
| ADAPTADOR | MATRIZ | PUNZÓN | | | | |
|---|---|---|--|---------------|---------------|------------|
|  |  |  |  | | | |
| AD | MP-L | PP | TDC/S | | | |
| Sección transversal (mm ²) | | | Ref. adaptadores | Ref. matrices | Ref. punzones | Ref. marca |
| 16 | | | AD150 | MP35L | PP35 | 0E |
| 25 | | | | | | |
| 35 | | | | | | |
| 50 | | | | | | |
| 70 | | | | | | |
| 95 | | | AD240 | MP150L | PP150 | 2E |
| 120 | | | | | | |
| 150 | | | | | | |
| 185 | | | AD240 | MP240L | PP240 | 4E |
| 240 | | | | | | |

CONECTORES Y TERMINALES DE ALUMINIO Y BIMETÁLICOS












| ADAPTADOR | MATRICES | PUNZÓN | ALUMINIO | | | | ALUMINIO | | | |
|---|---|---|---|---------------|---------------|-------------|---|---------------|---------------|------------|
|  |  |  |  | | | |  | | | |
| AD | MP-L MP-S | PP | BT | RBT | TBF | TBEM | RJA | | | |
| Sección transversal (mm ²) | | | Ref. adapt. | Ref. matrices | Ref. punzones | Ref. marca | Ref. adapt. | Ref. matrices | Ref. punzones | Ref. marca |
| 16 | | | AD150 | MP95L | PP95 | 1E | AD150 | MP95S | PP95 | 1E |
| 25 | | | | | | | | | | |
| 35 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| 95 | | | AD240 | MP150L | PP150 | 2E | AD240 | MP150S | PP150 | 2E |
| 120 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 185 | | | AD240 | MP240L | PP240 | 4E | AD240 | MP240S | PP240 | 4E |
| 240 | | | | | | | | | | |

GUÍA DE UTILIZACIÓN DE MATRICES





MATRICES DE CRIMPADO HEXAGONAL - SERIE 200



TERMINALES Y MANGUITOS TUBULARES

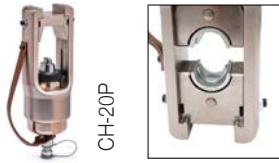
| MATRICES | ADAPTADOR | COBRE | | | | | | | | |
|--|--|--|---|--|--|--|--|---|--|---|
|  HD13 |  HD20 |  AD-20T-13T HEX |  T |  TL |  T45° |  T90° |  TT |  TPE |  CP |  M |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | | Ancho de huella (mm) | | | | | |
| 10 | | AD-20T-13T HEX | HD13-07 | | 7 | | | | | |
| 16 | | | HD13-08 | | 7 | | | | | |
| 25 | | | HD13-10 | | 12 | | | | | |
| 35 | | | HD13-11 | | 12 | | | | | |
| 50 | | | HD13-13 | | 12 | | | | | |
| 70 | | | HD13-14 | | 12 | | | | | |
| 95 | | | HD13-17 | | 12 | | | | | |
| 120 | | | HD13-18 | | 12 | | | | | |
| 150 | | | HD13-20 | | 12 | | | | | |
| 185 | | | HD13-22 | | 12 | | | | | |
| 240 | | HD13-25 | | 12 | | | | | | |
| 300 | | HD13-28 | | 10 | | | | | | |
| 400 | | HD13-32 | | 7 | | | | | | |
| 500 | | HD20-38 | | 17 | | | | | | |
| 630 | | - | | HD20-44 | | | | | | |

TERMINALES Y MANGUITOS TUBULARES

| MATRIZ | ADAPTADOR | ALUMINIO | | | |
|--|--|---|--|--|----------------------|
|  HD13 |  AD-20T-13T HEX |  MAL |  TBE |  TBES | |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | | Ancho de huella (mm) |
| 10 | | - | - | | - |
| 16 | | AD-20T-13T HEX | HD13-10 | | 12 |
| 25 | | | HD13-11 | | |
| 35 | | | HD13-13 | | |
| 50 | | | HD13-14 | | |
| 70 | | | HD13-17 | | |
| 95 | | | HD13-18 | | |
| 120 | | | HD13-21 | | 10 |
| 150 | | | HD13-25 | | |
| 185 | | | HD13-28 | | |
| 240 | | | HD13-32 | | 7 |
| 300 | | HD13-34 | | 7 | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONAL - **SERIE 200**

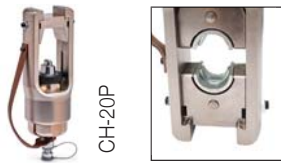


| NORMA DIN | | | | |
|--|-------------|-----------------------|------------------------|------------------------|
| MATRICES | | ADAPTADOR | COBRE | |
| | | | | |
| HD13 | HD20 | AD-20T-13T HEX | TCD (DIN 46235) | MCD (DIN 46267) |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) |
| 10 | | AD-20T-13T HEX | MK6-C | 7 |
| 16 | | | MK8-C | 12 |
| 25 | | | MK10-C | 14 |
| 35 | | | MK12-C | 12 |
| 50 | | | MK14-C | |
| 70 | | | MK16-C | |
| 95 | | | MK18-C | |
| 120 | | | MK20-C | 10 |
| 150 | | | MK22-C | 7 |
| 185 | | | MK25-C | 17 |
| 240 | | MK28-C | | |
| 300 | | MK32-C | | |
| 400 | | - | MK38-200 | |
| 500 | | | MK42-200 | |

| NORMA DIN | | | | |
|--|-------------|-----------------------|--------------------------|----------------------|
| MATRICES | | ADAPTADOR | ALUMINIO | |
| | | | | |
| HD13 | HD20 | AD-20T-13T HEX | TBE/D (DIN 46329) | |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) |
| 25 | | AD-20T-13T HEX | MK12-C | 14 |
| 35 | | | MK14-C | 12 |
| 50 | | | MK16-C | |
| 70 | | | MK18-C | |
| 95 | | | MK22-C | |
| 120 | | | MK25-C | 7 |
| 150 | | | MK28-C | 17 |
| 185 | | | MK32-C | |
| 240 | | | MK34-C | |
| 300 | | | - | MK38-200 |
| 400 | | | MK44-200 | |
| 500 | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONAL - **SERIE 200**

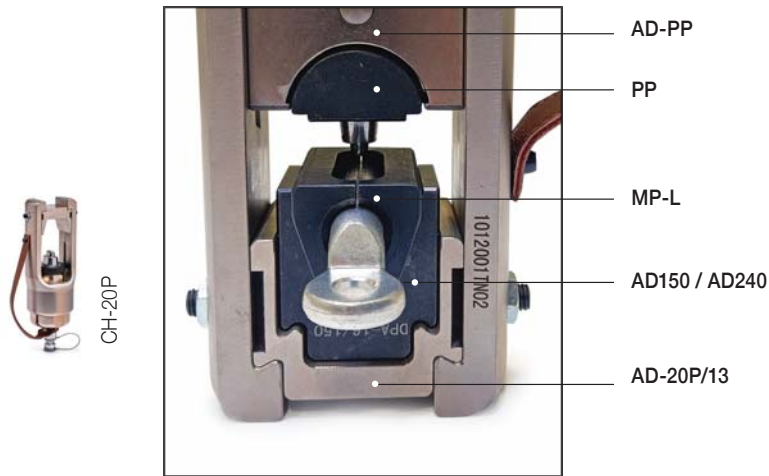


| MANGUITO RJU | | | |
|--|---------------------------|----------------|----------------------|
| MATRIZ | ADAPTADOR | COBRE | |
| HD13 | AD-20T-13T HEX | RJU | |
| Sección transversal (mm ²) | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) |
| 25 | AD-20T-13T HEX | HD13-20 | 12 |
| 35 | | | |
| 50 | | | |
| 70 | | | |
| 95 | | | |
| 120 | | | |
| 150 | | HD13-25 | |
| 185 | | HD13-32 | 7 |
| 240 | | | |

| CONECTORES Y TERMINALES BT, RBT, RJA, TBF, TBEM Y TDC | | | | | | | | |
|---|---------------------------|---------------|----------------------|--|----------------|---------------------------|----------------------|------------------|
| MATRICES | ADAPTADOR | | | | | | | |
| HD13 | AD-20T-13T HEX | BT | RBT | RJA | TBF | TBEM | TDC/S | TDC/A |
| Sección transversal (mm ²) | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | Sección transversal (mm ²) | Ref. adapt. | Ref. matrices hexagonales | Ancho de huella (mm) | |
| 25 | AD-20T-13T HEX | HD13-20 | 12 | 25 | AD-20T-13T HEX | - | - | |
| 35 | | | | | | | | |
| 50 | | | | | | | | |
| 70 | | | | | | | | |
| 95 | | | | | | | | |
| 120 | | | | | | | | |
| 150 | | HD13-25 | | 150 | | HD13-25 | | |
| 185 | | HD13-32 | 7 | 185 | | HD13-32 | 7 | |
| 240 | | | | 240 | | | | |
| 300 | | HD20-40 | 17 | 300 | - | HD20-40 | 17 | |
| 400 | | HD20-46 | | 400 | | HD20-46 | | |
| 500 | | | | 500 | | | | |
| 30 | AD-20T-13T HEX | HD13-20 | 12 | 30 | AD-20T-13T HEX | HD13-20 | 12 | |
| 56 | | | | | | | | |
| 78 | | | | | | | | |
| 110 | | | | | | | | |
| 180 | | HD13-32 | 7 | 180 | | HD13-32 | 7 | |
| | | | | 110 | | HD13-25 | | |
| | | | | 145 | | | | |
| | | | | 180 | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO DE PUNZONADO PROFUNDO SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - **SERIE 200**



CONECTORES TDC/S Y TDC/A

| ADAPTADORES | | | MATRIZ | | PUNZÓN | |
|-------------|----|-------|--------|-----|--------|-----|
| | | | | | | |
| AD-20P/13 | AD | AD-PP | MP-L | DPD | PP | DPP |

BIMETÁLICO



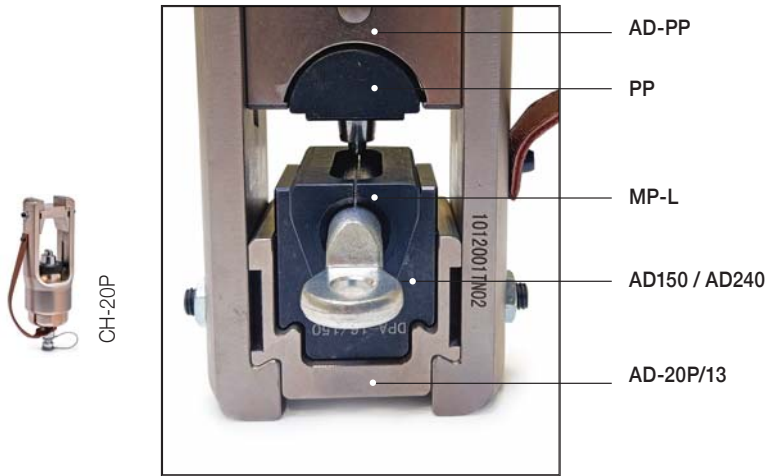
TDC/S

TDC/A

| Sección transversal (mm ²) | Ref. adaptadores | Ref. adaptadores | Ref. Matrices punzonado profundo | Ref. adaptadores | Ref. punzones | Ref. marca | | |
|--|------------------|------------------|----------------------------------|------------------|---------------|------------|-----------|----|
| 16 | AD-20P/13 | AD150 | MP35L | AD-PP | PP35 | 0E | | |
| 25 | | | AD240 | | MP95L | PP95 | 1E | |
| 35 | | | | | MP150L | PP150 | 2E | |
| 50 | | MP240L | | | PP240 | 4E | | |
| 70 | | - | DPA-300/630 | | DPD-300/400L | - | PP300/400 | 5E |
| 95 | | | | | - | | - | - |
| 120 | - | | | - | - | | | |
| 150 | - | | | - | - | | | |
| 185 | - | - | DPD-500/630L | - | DPP-500/630 | 6E | | |
| 240 | - | - | - | - | - | - | | |
| 300 | - | - | - | - | - | - | | |
| 400 | - | - | - | - | - | - | | |
| 500 | - | - | - | - | - | - | | |
| 630 | - | - | - | - | - | - | | |

GUÍA DE UTILIZACIÓN DE MATRICES

MATRICES DE CRIMPADO DE PUNZONADO PROFUNDO SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - SERIE 200



CONECTORES Y TERMINALES BT, RBT, BF Y TBEM

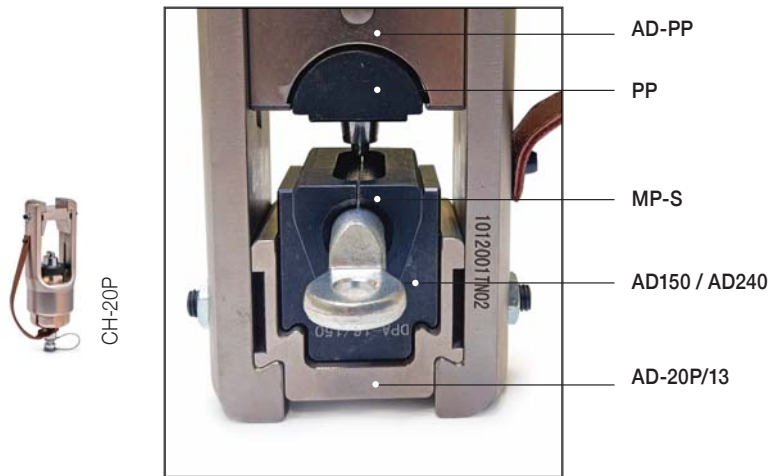
| ADAPTADORES | | | MATRIZ | | PUNZÓN | |
|-------------|----|-------|--------|-----|--------|-----|
| | | | | | | |
| AD-20P/13 | AD | AD-PP | MP-L | DPD | PP | DPP |
| ALUMINIO | | | | | | |



| Sección transversal (mm ²) | Ref. adaptadores | Ref. adaptadores | Ref. Matrices punzonado profundo | Ref. adaptadores | Ref. punzones | Ref. marca |
|--|------------------|------------------|----------------------------------|------------------|---------------|------------|
| 16 | AD-20P/13 | AD150 | MP95L | AD-PP | PP95 | 1E |
| 25 | | | MP150L | | PP150 | 2E |
| 35 | | | MP240L | | PP240 | 4E |
| 50 | | AD240 | DPA-300/630 | DPD-300/400L | PP300/400 | 5E |
| 70 | | | | - | - | - |
| 95 | | - | - | DPD-500/630L | DPP-500/640 | - |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO DE PUNZONADO PROFUNDO
SEGÚN LAS NORMATIVAS UNE 211024-2 Y NF C33-090-1 - **SERIE 200**



| CONECTORES RJ45 | | | MATRIZ | PUNZÓN |
|-----------------|----|-------|--------|--------|
| ADAPTADORES | | | | |
| | | | | |
| AD-20P/13 | AD | AD-PP | MP-S | PP |

ALUMINIO



RJA

| Sección transversal (mm ²) | Ref. adaptadores | Ref. adaptadores | Ref. Matrices punzonado profundo | Ref. adaptadores | Ref. punzones | Ref. marca |
|--|------------------|------------------|----------------------------------|------------------|---------------|------------|
| 16 | AD-20P/13 | AD150 | MP95S | AD-PP | PP95 | 1E |
| 25 | | | | | | |
| 35 | | | | | | |
| 50 | | AD240 | MP150S | | PP150 | 2E |
| 70 | | | | | | |
| 95 | | | | | | |
| 120 | - | DPA-300/630 | DPD-300/400S | - | PP300/400 | 5E |
| 150 | | | | | | |
| 185 | | | | | | |
| 240 | | | | | | |
| 300 | | | | | | |
| 400 | | | | | | |
| 500 | | | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES CIRCULARES - **SERIE 200**



| PETACAS DE DERIVACIÓN | | | | | | | |
|--|--|---|---------------|---------------------|--|---------------|--|
| MATRIZ | ADAPTADOR | | | | | | |
|  CD13 |  AD-20T-13T HEX |  CRC | | |  CRA CRS | | |
| Ancho de huella (mm) | Referencia COBRE | Ref. adaptadores | Ref. matrices | Referencia ALUMINIO | Ref. adaptadores | Ref. matrices | |
| 35 | CRC-3 | AD-20T-13T HEX | CD13-25 | CRS-0 | AD-20T-13T HEX | CD13-70 | |
| | CRC-4 | | | CRA-2 | | CD13-35 | |
| | CRC-5 | | | CRS-1 | | CD13-120 AL | |
| | CRC-6 | | | CRA-1 | | CD13-300 | |
| | CRC-7 | | | CRS-3 | | | |
| | CRC-8 | | | CRA-3 | | | |
| | CRC-9 | | | CRS-8 | | | |
| | CRC-10 | | | CRA-3A | | | |
| | CRC-11 | | | CRS-9 | | | |
| | CRC-12 | | | CRA-4 | | | |
| | CRC-13 | | | CRS-10 | | | |
| | CRC-14 | | | CRS-11 | | | |
| | CRC-15 | | | CRS-12 | | | |
| | CRC-16 | | | | | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONALES Y CIRCULARES - **SERIE 250**



TERMINALES Y MANGUITOS TUBULARES

| MATRICES | | ADAPTADOR | COBRE | | | | | | | |
|--|-------------|-------------------|---------------|----------------------|-------------|-------------|-----------|------------|-----------|----------|
| | | | | | | | | | | |
| HD13 | HD25 | AD-25H-13H | T | TL | T45° | T90° | TT | TPE | CP | M |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | | | | | | |
| 10 | | AD-25H/13H | HD13-07 | 7 | | | | | | |
| 16 | | | HD13-08 | 7 | | | | | | |
| 25 | | | HD13-10 | 12 | | | | | | |
| 35 | | | HD13-11 | 12 | | | | | | |
| 50 | | | HD13-13 | 12 | | | | | | |
| 70 | | | HD13-14 | 12 | | | | | | |
| 95 | | | HD13-17 | 12 | | | | | | |
| 120 | | | HD13-18 | 12 | | | | | | |
| 150 | | | HD13-20 | 12 | | | | | | |
| 185 | | | HD13-22 | 12 | | | | | | |
| 240 | | | HD13-25 | 12 | | | | | | |
| 300 | | | HD13-28 | 10 | | | | | | |
| 400 | | | HD13-32 | 7 | | | | | | |
| 500 | | - | HD25-38 | 17 | | | | | | |
| 630 | | - | HD25-44 | 17 | | | | | | |





TERMINALES Y MANGUITOS TUBULARES

| MATRICES | | ADAPTADOR | | | |
|--|-----------|-------------------|---------------|----------------------|-------------|
| | | | | | |
| HD13 | MK | AD-25H-13H | MAL | TBE | TBES |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | |
| 16 | | AD-25H/13H | HD13-10 | 12 | |
| 25 | | | HD13-11 | 12 | |
| 35 | | | HD13-13 | 12 | |
| 50 | | | HD13-14 | 12 | |
| 70 | | | HD13-17 | 12 | |
| 95 | | | HD13-18 | 12 | |
| 120 | | | HD13-21 | 12 | |
| 150 | | | HD13-25 | 12 | |
| 185 | | | HD13-28 | 10 | |
| 240 | | | HD13-32 | 7 | |
| 300 | | - | MK34-230 | 17 | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONALES Y CIRCULARES - **SERIE 250**



| NORMA DIN | | | | |
|--|--|---|---|----------------------|
| MATRIZ | ADAPTADOR | COBRE | | |
|  MK |  AD-25H-13H |  TCD (DIN 46235) |  MCD (DIN 46267) | |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) |
| 10 | | AD-25H/13H | MK6-C | 7 |
| 16 | | | MK8-C | 12 |
| 25 | | | MK10-C | 14 |
| 35 | | | MK12-C | 12 |
| 50 | | | MK14-C | |
| 70 | | | MK16-C | |
| 95 | | | MK18-C | |
| 120 | | | MK20-C | 10 |
| 150 | | | MK22-C | |
| 185 | | | MK25-C | 7 |
| 240 | | MK28-C | | |
| 300 | | MK32-C | 17 | |
| 400 | | MK38-250 | | |
| 500 | | - | | MK42-250 |

| NORMA DIN | | | | |
|--|--|--|---------------|----------------------|
| MATRICES | ADAPTADOR | ALUMINIO | | |
|  MK HD25 |  AD-25H-13H |  TBE/D (DIN 46329) | | |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) |
| 25 | | AD-25H/13H | MK12-C | 14 |
| 35 | | | MK14-C | 12 |
| 50 | | | MK16-C | |
| 70 | | | MK18-C | |
| 95 | | | MK22-C | |
| 120 | | | MK22-C | 10 |
| 150 | | | MK25-C | |
| 185 | | | MK28-C | 7 |
| 240 | | | MK32-C | |
| 300 | | | MK34-230 | 17 |
| 400 | | MK38-250 | | |
| 500 | | - | MK44-250 | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONALES Y CIRCULARES - **SERIE 250**



CONECTORES DE COBRE RJU

| MATRIZ | ADAPTADOR | COBRE | | |
|--|-----------------------|----------------|----------------------|--|
| HD13 | AD-25H-13H | RJU | | |
| Sección transversal (mm ²) | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | |
| 25 | AD-25H/13H | HD13-20 | 12 | |
| 35 | | | | |
| 50 | | | | |
| 70 | | | | |
| 95 | | HD13-25 | | |
| 120 | | | | |
| 150 | | | | |
| 185 | HD13-32 | 7 | | |
| 240 | | | | |

CONECTORES Y TERMINALES DE ALUMINIO Y BIMETÁLICOS BT, RBT, RJA, TBF Y TBEM

| MATRICES | ADAPTADOR | ALUMINIO | | |
|--|-----------------------|--|----------------------|---------|
| HD13 | AD-25H-13H | BT RBT RJA TBF TBEM | | |
| Sección transversal (mm ²) | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | |
| 25 | AD-25H/13H | HD13-20 | 12 | |
| 35 | | | | |
| 50 | | | | |
| 70 | | | | |
| 95 | | HD13-25 | | |
| 120 | | | | |
| 150 | | | | |
| 185 | HD13-32 | 7 | | |
| 240 | | | | |
| 300 | - | HD25-40 | 17 | |
| 400 | | | | |
| 500 | AD-25H/13H | HD13-20 | 12 | |
| 30 | | | | |
| 56 | | | | |
| 78 | | | | |
| 110 | | | | HD13-25 |
| 180 | HD13-32 | 7 | | |

GUÍA DE UTILIZACIÓN DE **MATRICES**

MATRICES DE CRIMPADO HEXAGONALES Y CIRCULARES - **SERIE 250**



| TERMINALES TDC/S Y TDC/A | | | | | |
|--|-------------|-------------------|---------------|----------------------|---------|
| MATRICES | | ADAPTADOR | BIMETÁLICO | | |
| | | | | | |
| HD13 | HD25 | AD-25H-13H | TDC/S | TDC/A | |
| Sección transversal (mm ²) | | Ref. adaptadores | Ref. matrices | Ancho de huella (mm) | |
| 50 | | AD-25H/13H | HD13-20 | 12 | |
| 70 | | | HD13-25 | | |
| 95 | | | HD13-32 | | |
| 120 | | | - | HD25-40 | 26 |
| 150 | | | | HD25-46 | |
| 185 | | | | AD-25H/13H | HD13-20 |
| 240 | | - | HD13-25 | | |
| 300 | | | HD13-32 | | |
| 400 | | | - | | HD13-20 |
| 500 | | HD13-25 | | | |
| 30 | | HD13-32 | | | |
| 54,6 | | | | | |
| 56 | | | | | |
| 78 | | | | | |
| 80 | | | | | |
| 110 | | | | | |
| 145 | | | | | |
| 180 | | | | | |

| PETACAS DE DERIVACIÓN | | | | | | | | |
|-----------------------|-------------|-------------------|------------|------------------|---------------|---------------|------------------|---------------|
| MATRICES | | ADAPTADOR | | | | | | |
| | | | | | | | | |
| HD13 | HD25 | AD-25H-13H | CRC | | | CRA | CRS | |
| Ancho de huella (mm) | | | Ref. COBRE | Ref. adaptadores | Ref. matrices | Ref. ALUMINIO | Ref. adaptadores | Ref. matrices |
| 35 | | | CRC-3 | AD-25H/13H | CD13-25 | CRS-0 | AD-25H/13H | CD13-70 |
| | | | CRC-4 | | CD13-35 | CRA-2 | | CD13-35 |
| | | | CRC-5 | | CD13-70 | CRS-1 | | CD13-120 AL |
| | | | CRC-6 | | CD13-95 | CRS-3 | | CD13-300 |
| | | | CRC-7 | | CD13-150 | CRA-3 | | |
| | | | CRC-8 | | CD13-300 | CRS-8 | | |
| | | | CRC-9 | | | CRA-3A | | |
| | | | CRC-10 | | | CRS-9 | | |
| | | | CRC-11 | | | CRA-4 | | |
| | | | CRC-12 | | | CRS-10 | | |
| | | | CRC-13 | | | CRS-11 | | |
| | | | CRC-14 | | | CRS-12 | | |
| | | | CRC-15 | | | | | |
| | | | CRC-16 | | | | | |



sofamel

GUÍA DE UTILIZACIÓN DE **MATRICES**

ÍNDICE POR CÓDIGOS

| Código | Ref. | Código | Ref. | Código | Ref. |
|-----------------|----------------------|--------|---------------------|--------------------|----------------|
| MATRICES | | | | | |
| 401012 | CDC5-25 25-25CU/35-1 | 402005 | HD13-14 70CU/50AL | 402026 | MK32-C |
| 401013 | CDC5-35 35-35CU/AL | 402006 | HD13-17 95CU/70AL | 447159 | MK34-230 |
| 401014 | CDC5-70 70-70CU/70-5 | 402007 | HD13-18 120CU/95AL | 20306001 | MK42-250 |
| 407013 | CDC6-25 | 402008 | HD13-20 150CU | 406001 | MP-35L |
| 407014 | CDC6-35 | 402009 | HD13-21 120AL | 406003 | MP-95L |
| 407015 | CDC6-70 | 402010 | HD13-22 185CU/120AL | 406004 | MP-95S |
| 407016 | CDC6-95 | 402011 | HD13-25 240CU/150AL | 406006 | MP-150L |
| 402015 | CD13-25 | 402012 | HD13-28 300CU/185AL | 406007 | MP-150S |
| 402016 | CD13-35 | 402013 | HD13-32 400CU/240AL | 406010 | MP-240L |
| 402017 | CD13-70 | 402014 | HD13-34 300AL | 406011 | MP-240S |
| 402018 | CD13-95 CU | 403005 | HD20-40 | | |
| 402019 | CD13-150 CU | 403006 | HD20-46 | ADAPTADORES | |
| 402020 | CD13-120 AL | 403001 | HD25-38 | 375000 | AD-13U-13C |
| 402021 | CD13-300 | 447180 | HD25-40 | 406000 | AD-150 |
| 406014 | DPD-300/400L | 403002 | HD25-42 | 406009 | AD-240 |
| 401000 | HD5-07 10CU | 403003 | HD25-44 | 406016 | AD-20P/13 |
| 401001 | HD5-08 16CU | 403004 | HD25-46 | 375001 | AD-20T-13T HEX |
| 401002 | HD5-10 25CU/16AL | 407000 | HD6-07 | 403000 | AD-25H/13H |
| 401003 | HD5-11 35CU/25AL | 407001 | HD6-08 | 375002 | AD-PP |
| 401004 | HD5-13 50CU/35AL | 407002 | HD6-10 | 406013 | DPA-300/630 |
| 401005 | HD5-14 70CU/50AL | 407003 | HD6-11 | | |
| 401006 | HD5-17 95CU/70AL | 407004 | HD6-13 | PUNZONES | |
| 401007 | HD5-18 120CU/95AL | 407005 | HD6-14 | 406002 | PP-35 0E |
| 401008 | HD5-20 150CU | 407006 | HD6-17 | 406005 | PP-95 1E |
| 401009 | HD5-21 120AL | 407007 | HD6-18 | 406008 | PP-150 2E |
| 401010 | HD5-22 185CU/120AL | 407008 | HD6-20 | 406012 | PP-240 4E |
| 401011 | HD5-25 240CU/150AL | 407009 | HD6-21 | 406015 | PP-400 5E |
| 402000 | HD13-07 10CU | 407010 | HD6-22 | | |
| 402001 | HD13-08 16CU | 407011 | HD6-25 | | |
| 402002 | HD13-10 25CU/16AL | 407012 | HD6-28 | | |
| 402003 | HD13-11 35CU/25AL | 402022 | MK12-C | | |
| 402004 | HD13-13 50CU/35AL | 402023 | MK22-C | | |
| | | 402024 | MK25-C | | |
| | | 402025 | MK28-C | | |

sofamel



www.sofamel.com

Tel. +34 93 808 79 80 - ventas@sofamel.es - export@sofamel.es