



## GUIDA ALLA SCELTA DELL'AGGRAFFATRICE

### PER TERMINALI NON ISOLATI B.T. CLASSE 1,2,5,6 E RETI DI TERRA

#### CAPICORDA RAME B.T.

- non isolati da lastra: occhiello  
forcella  
puntale rotondo  
brasati in lega d'argento DIN 46234

- non isolati da tubo: dritti, piegati a 45°, piegati 90°  
per conduttori classe 6  
piastra ridotta  
forcella  
puntale

#### CAPICORDA PER RETI DI TERRA

- non isolati a colletto lungo
- non isolati ad occhiello
- non isolati rettangolari

#### CONNETTORI DI TESTA B.T.

- connettori di testa non isolati
- connettori paralleli non isolati

#### Aggraffatrice

| Tipo       | Articolo                         | 0.25<br>(22) | 0.5<br>(20) | 0.75<br>(18) | 1<br>(17) | 1.5<br>(16) | 2.5<br>(14) | 4<br>(12) | 6<br>(10) | 10<br>(8) | 16<br>(6) | 25<br>(4) | Sezione<br>mm² (AWG) |
|------------|----------------------------------|--------------|-------------|--------------|-----------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|----------------------|
| manuale    | HB 520                           |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | CRIM 535                         |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 5305 (kit)                       |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | CRIMDEM 5351                     |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 5345 (kit)                       |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | CRIMPAR 53P000 + 53MSN2          |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 53P000 + 53MSN1                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 53KPBF (kit)                     |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | parallela 6534 + 635D            |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 526                              |              |             |              |           |             |             |           |           |           |           |           |                      |
| pneumatica | manici lunghi 510                |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 512                              |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 523                              |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 582 + serie 82                   |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 1661 + 535D                      |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 182/182P (*) + serie 82          |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 1823/1824 (*) + serie 82         |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 1823P + serie 82                 |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 1823A1/A2/A3/A4 + serie 82       |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 200 (*) + serie 82               |              |             |              |           |             |             |           |           |           |           |           |                      |
| idraulica  | 200PA (*) + serie 82             |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 60 kN 1833/1833A1 + serie 83     |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 80 kN 183/183P (*) + serie 83    |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 120 kN 184P/184PL + serie 84     |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 125 kN 184 (*) + serie 84        |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 130 kN 186 + serie 84            |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 55 kN 37A055/37A055A1 + serie 83 |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 60 kN 383 (*) + serie 83         |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 62 kN 38A062 + serie 85          |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 120 kN 384 (*) + serie 84        |              |             |              |           |             |             |           |           |           |           |           |                      |
| batteria   | 130 kN 38A130 + serie 84         |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 38A130L + serie 84               |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 50 kN 200A (*) + serie 82        |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 60 kN 2833 + serie 83            |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 80 kN 283 (*) + serie 83         |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 120 kN 284/284L + serie 84       |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 286 + serie 84                   |              |             |              |           |             |             |           |           |           |           |           |                      |
|            | 230 kN 270 + serie 70            |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
| testata    |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |
|            |                                  |              |             |              |           |             |             |           |           |           |           |           |                      |

(\*) referenza in esaurimento

CL5 = solo terminali Classe 1,2, 5 (sono esclusi i terminali Classe 6 che arrivano sino alla sezione 185 mm²)





# CRIMPING TOOL GUIDE

## FOR L.V. DIN AND NFC TERMINALS

### L.V. COPPER TERMINAL LUGS

- uninsulated compliant to DIN 46235 (L.V.)
- uninsulated compliant to DIN 46235 in untinned copper (L.V.)
- uninsulated 90° bended obtained from terminal lugs compliant to DIN 46235 (L.V.)
- uninsulated NFC terminals (L.V.)

### L.V. BUTT CONNECTORS

- uninsulated compliant to DIN 46267/1 (L.V.)

| Crimping tool       |                       | Section<br>mm² (AWG/kcmil)  |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|---------------------|-----------------------|-----------------------------|-------------|--------------|-----------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--|
| Type                | Code                  | 0.25<br>(22)                | 0.5<br>(20) | 0.75<br>(18) | 1<br>(17) | 1.5<br>(16) | 2.5<br>(14) | 4<br>(12) | 6<br>(10) | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) | 300<br>(600) | 400<br>(800) | 500<br>(1000) | 630<br>(1250) |  |
| manual              | long handles          | 524                         |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 525                         |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 511                         |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 513                         |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 582 + series 82             |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| hydraulic           | 50 kN                 | 182/182P (*) + series 82    |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 1823/1824 (*) + series 82   |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 1823P + series 82           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 1823A1/A2/A3/A4 + series 82 |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 200 (*) + series 82         |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 200PA (*) + series 82 |                             |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 60 kN                 | 1833/1833A1 + series 83     |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 80 kN                 | 183/183P (*) + series 83    |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 120 kN                | 184P + series 84            |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 184PL + series 84     |                             |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              | NF           |               |               |  |
| 125 kN              | 184 (*) + series 84   |                             |             |              |           |             |             | NF        |           |           |           |           |           |             |             |             |              |              |              |              |              | NF           |               |               |  |
| 130 kN              | 186 + series 84       |                             |             |              |           |             |             | NF        |           |           |           |           |           |             |             |             |              |              |              |              |              | NF           |               |               |  |
| battery             | 55 kN                 | 37A055/37A055A1 + series 83 |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 60 kN                 | 383 (*) + series 83         |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 62 kN                 | 38A062 + series 85          |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              | NF           |               |               |  |
|                     | 120 kN                | 384 (*) + series 84         |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 130 kN                | 38A130 + series 84          |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| 38A130L + series 84 |                       |                             |             |              |           |             |             | NF        |           |           |           |           |           |             |             |             |              |              |              |              |              | NF           |               |               |  |
| head                | 50 kN                 | 200A (*) + series 82        |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 60 kN                 | 2833 + series 83            |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 80 kN                 | 283 (*) + series 83         |             |              |           |             |             | NF        | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     | 120 kN                | 284 + series 84             |             |              |           |             |             |           | NF        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|                     |                       | 284L + series 84            |             |              |           |             |             |           |           | NF        |           |           |           |             |             |             |              |              |              |              |              |              |               | NF            |  |
|                     |                       | 286 + series 84             |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |

(\*) item running out

NF = only FNC terminals (no DIN terminals)

## CRIMPING TOOL GUIDE

### FOR UNINSULATED TERMINALS M.V.

#### M.V. COPPER TERMINAL LUGS

- uninsulated
- uninsulated with double hole

#### M.V. COPPER JOINTS

- uninsulated

| Crimping tool |                                   | Section<br>mm² (AWG/kcmil) |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|---------------|-----------------------------------|----------------------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Type          | Code                              | 6<br>(10)                  | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) | 300<br>(600) | 400<br>(800) | 500<br>(1000) | 630<br>(1250) |
| hydraulic     | 582 + series 82                   |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 182/182P (*) + series 82          |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 1823/1824 (*) + series 82         |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 1823P + series 82                 |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 1823A1/A2/A3/A4 + series 82       |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 200 (*) + series 82               |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 200PA (*) + series 82             |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 60 kN 1833/1833A1 + series 83     |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 80 kN 183/183P (*) + series 83    |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 120 kN 184P/184PL + series 84     |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| battery       | 125 kN 184 (*) + series 84        |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 130 kN 186 + series 84            |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 55 kN 37A055/37A055A1 + series 83 |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 60 kN 383 (*) + series 83         |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 62 kN 38A062 + series 85          |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| head          | 120 kN 384 (*) + series 84        |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 130 kN 38A130 + series 84         |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 38A130L + series 84               |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 50 kN 200A (*) + series 82        |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 60 kN 2833 + series 83            |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| head          | 80 kN 283 (*) + series 83         |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 120 kN 284/284L + series 84       |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 286 + series 84                   |                            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |

(\*) item running out

# CRIMPING TOOL GUIDE

## FOR UNINSULATED ALUMINUM AND BIMETALLIC TERMINALS

### ALUMINUM TERMINAL LUGS

- uninsulated for aluminum conductors DIN 48201

### BIMETALLIC TERMINAL LUGS

- uninsulated ring
- uninsulated ring DIN 48201

### ALUMINUM JOINTS

- uninsulated for DIN 48201 aluminum conductors
- uninsulated for Medium Voltage aluminum conductors
- uninsulated reduction joints for Medium Voltage aluminum or copper conductors

| Crimping tool |              |                             | Section<br>mm <sup>2</sup> (AWG/kcmil) |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|---------------|--------------|-----------------------------|----------------------------------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Type          |              | Code                        | 6<br>(10)                              | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) | 300<br>(600) | 400<br>(800) | 500<br>(1000) | 630<br>(1250) |
| manual        | long handles | 582 + series 82             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 182/182P (*) + series 82    |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823/1824 (*) + series 82   |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823P + series 82           |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823A1/A2/A3/A4 + series 82 |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200 (*) + series 82         |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200PA (*) + series 82       |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| hydraulic     | 50 kN        | 1823P + series 82           |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823A1/A2/A3/A4 + series 82 |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200 (*) + series 82         |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200PA (*) + series 82       |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1833/1833A1 + series 83     |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 183/183P (*) + series 83    |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 184P/184PL + series 84      |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| hydraulic     | 60 kN        | 184 (*) + series 84         |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 186 + series 84             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 186 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 37A055/37A055A1 + series 83 |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 383 (*) + series 83         |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 38A062 + series 85          |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 384 (*) + series 84         |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| battery       | 120 kN       | 38A130 + series 84          |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 38A130L + series 84         |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200A (*) + series 82        |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 283 (*) + series 83         |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 2833 + series 83            |                                        |           |           |           |           |             |             |             |              |              | G            |              |              |              |               |               |
|               |              | 284/284L + series 84        |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 84             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| head          | 120 kN       | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 86             |                                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |

(\*) item running out

G = only aluminum and bimetallic DIN

# CRIMPING TOOL GUIDE

## FOR INSULATED TERMINALS

### PVC INSULATED TERMINALS

- insulated from sheet: ring  
fork  
round and blade pin
- insulated from sheet and anti-vibrating: ring  
fork  
round pin

### L.V. NYLON INSULATED TERMINALS

- insulated from sheet: ring  
fork  
round blade pin
- insulated from tube: black  
black nylon for class 6 conductors  
black with small plate  
black with fork  
black with blade pin  
coloured

### BUTT CONNECTORS

- PVC insulated
- nylon insulated
- with heat shrinking insulation (only with "T")

### ONE -WAY TERMINAL BLOCKS

- close end connectors for clamping (only with "C")

| Crimping tool |              |                                           | Section<br>mm² (AWG/kcmil)                                                                                                                                |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|---------------|--------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|-----------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|--|
| Type          | Code         |                                           | 0,25<br>(22)                                                                                                                                              | 0,5<br>(20) | 0,75<br>(18) | 1<br>(17) | 1,5<br>(16) | 2,5<br>(14) | 4<br>(12) | 6<br>(10) | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) | 300<br>(600) | 400<br>(800) | 500<br>(1000) | 630<br>(1250) |  |
| manual        | HB           | 520                                       | +T                                                                                                                                                        | +T          | +T           | +T        | +T          | +T          | +T        | +T        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | CRIM         | 534<br>5305 (kit)                         |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | CRIMDEM      | 5341<br>5345 (kit)                        |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               |              | 53P02H                                    |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | CRIMPAR      | 53P000 + 53M02H<br>53KPBF (kit)           |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | parallel     | 6534 + 634D<br>6534 + 636D                |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | long handles | 528<br>582 + series 82                    |                                                                                                                                                           | C, T        | C, T         | C, T      | C, T        | C, T        | C, T      | C, T      |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | pneumatic    | 1661 + 534D                               |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | hydraulic    | 50 kN                                     | 182/182P (*) + series 82<br>1823/1824 (*) + series 82<br>1823P + series 82<br>1823A1/A2/A3/A4 + series 82<br>200 (*) + series 82<br>200PA (*) + series 82 |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               |              | 60 kN                                     | 1833/1833A1 + series 83                                                                                                                                   |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| 80 kN         |              | 183/183P (*) + series 83                  |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| 120 kN        |              | 184P/184PL + series 84                    |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| 125 kN        |              | 184 (*) + series 84                       |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| 130 kN        |              | 186 + series 84                           |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| battery       |              | 55 kN                                     | 37A055/37A055A1 + series 83                                                                                                                               |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               |              | 60 kN                                     | 383 (*) + series 83                                                                                                                                       |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               |              | 62 kN                                     | 38A062 + series 85                                                                                                                                        |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               |              | 120 kN                                    | 384 (*) + series 84                                                                                                                                       |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | 130 kN       | 38A130 + series 84<br>38A130L + series 84 |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
| head          | 55 kN        | 200A (*) + series 82                      |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | 60 kN        | 283 (*) + series 83                       |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | 80 kN        | 2833 + series 83                          |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |
|               | 120 kN       | 284/284L + series 84<br>286 + series 84   |                                                                                                                                                           |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |  |

(\*) item running out

CT = butt connectors with heat shrinking insulation and close end connectors

+T = the tool crimps butt connectors with heat shrinking insulation in addition to PVC and nylon insulated terminals

# CRIMPING TOOL GUIDE

## FOR END-SLEEVES

- uninsulated single cable
- insulated single cable
- insulated single cable in a strap (only with "S")
- insulated double cable (only with "D" or "+D")

| Crimping tool |              | Section<br>mm <sup>2</sup> (AWG/kcmil) |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|---------------|--------------|----------------------------------------|--------------|-------------|--------------|-----------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Type          | Code         | 0,08<br>(28)                           | 0,25<br>(22) | 0,5<br>(20) | 0,75<br>(18) | 1<br>(17) | 1,5<br>(16) | 2,5<br>(14) | 4<br>(12) | 6<br>(10) | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) |
| manual        | HB           | 540                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 541                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 542                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               | CRIM         | 537                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 539                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 533                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 5305 (kit)                             |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               | CRIMDEM      | 5371                                   |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 5391                                   |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 5331                                   |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               | CRIMPAR      | 5345 (kit)                             |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P02E                                 |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M02E                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P2E1                                 |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M2E1                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M5D2                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P5D1                                 |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M5D1                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53KPBF (kit)                           |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M2E4                        |              |             | D            | D         | D           | D           | D         | D         |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53P000 + 53M2E5                        |              |             |              |           |             |             |           |           | D         | D         |           |           |             |             |             |              |              |              |              |
|               | CRIMQ        | 5382                                   | +D           | +D          | +D           | +D        | +D          | +D          | +D        | +D        |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 53816                                  | +D           | +D          | +D           | +D        | +D          | +D          | +D        | +D        |           |           |           |           |             |             |             |              |              |              |              |
|               | long handles | 527                                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 582 + series 82                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               | strap        | 5375                                   |              |             | S            | S         | S           | S           | S         |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 1661 + 537D                            |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
| pneumatic     |              | 1661 + 539D                            |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 182/182P (*) + series 82               |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
| hydraulic     | 50 kN        | 1823/1824 (*) + series 82              |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 1823P + series 82                      |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 1823A1/A2/A3/A4 + series 82            |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 200 (*) + series 82                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 200PA (*) + series 82                  |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 60 kN 1833/1833A1 + series 83          |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               | 60 kN        | 183/183P (*) + series 83               |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 120 kN 184P/184PL + series 84          |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 125 kN 184 (*) + series 84             |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 130 kN 186 + series 84                 |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
| battery       | 55 kN        | 37A055/37A055A1 + series 83            |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 60 kN 383 (*) + series 83              |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 62 kN 38A062 + series 85               |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 120 kN 384 (*) + series 84             |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 130 kN 38A130 + series 84              |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 38A130L + series 84                    |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
| head          | 55 kN        | 200A (*) + series 82                   |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 60 kN 2833 + series 83                 |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 80 kN 283 (*) + series 83              |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 120 kN 284/284L + series 84            |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |
|               |              | 286 + series 84                        |              |             |              |           |             |             |           |           |           |           |           |           |             |             |             |              |              |              |              |

(\*) item running out

S = only end-sleeves in a strap

D = only double cable end-sleeves

+D = also double cable end-sleeves in addition to single cable end-sleeves

## CRIMPING TOOL GUIDE

### FOR UNINSULATED BRASS QUICK-CONNECTORS

- uninsulated female
- uninsulated female flag type
- uninsulated male
- uninsulated female+male
- uninsulated from sheet open brass

| Crimping tool |                              |          | Section<br>mm² (AWG/kcmil)                   |              |              |              |           |             |             |           |           |  |
|---------------|------------------------------|----------|----------------------------------------------|--------------|--------------|--------------|-----------|-------------|-------------|-----------|-----------|--|
| Type          |                              | Code     | 0,1<br>(27)                                  | 0,25<br>(22) | 0,5<br>(20)  | 0,75<br>(18) | 1<br>(17) | 1,5<br>(16) | 2,5<br>(14) | 4<br>(12) | 6<br>(10) |  |
| in-line       | manual                       | HB       | 530                                          |              |              |              |           |             |             |           |           |  |
|               |                              | CRIM     | 531                                          |              |              |              |           |             |             |           |           |  |
|               |                              |          | 5305 (kit)                                   |              |              |              |           |             |             |           |           |  |
|               |                              | CRIMDEM  | 5313                                         |              |              |              |           |             |             |           |           |  |
|               |                              |          | 5345 (kit)                                   |              |              |              |           |             |             |           |           |  |
|               |                              | CRIMPAR  | 53P000 + 53M2CL<br>53P000 + 53M02C           |              |              |              |           |             |             |           |           |  |
|               | pneumatic                    |          | 6534 + 631D                                  |              |              |              |           |             |             |           |           |  |
|               |                              | parallel | 6534 + 6311D<br>6534 + 6321D<br>6534 + 6322D |              |              |              |           |             |             |           |           |  |
|               |                              |          | 1661 + 531D                                  |              |              |              |           |             |             |           |           |  |
|               |                              | lateral  | manual                                       | CRIM         | 5311<br>5312 |              |           |             |             |           |           |  |
|               |                              |          |                                              |              | 5314         |              |           |             |             |           |           |  |
|               |                              |          |                                              | CRIMDEM      | 5315         |              |           |             |             |           |           |  |
|               | 6534 + 6321D<br>6534 + 6322D |          |                                              |              |              |              |           |             |             |           |           |  |
| parallel      |                              |          |                                              |              |              |              |           |             |             |           |           |  |
|               |                              |          |                                              |              |              |              |           |             |             |           |           |  |



# CRIMPING TOOL GUIDE

## FOR INSULATED QUICK-CONNECTORS

### PVC QUICK-CONNECTORS TERMINALS

- insulated and anti-vibrating: female  
female totally insulated  
male  
female+male

### NYLON QUICK-CONNECTORS TERMINALS

- insulated and anti-vibrating: female totally insulated  
male totally insulated
- flag type totally insulated: female

### PVC CYLINDER PLUG

- insulated cylinder plug and anti-vibrating: female  
male

### NYLON CYLINDER PLUG

- insulated cylinder plug and anti-vibrating: female  
male

| Crimping tool |           |                         | Section<br>mm² (AWG/kcmil) |              |             |              |           |             |             |           |           |  |
|---------------|-----------|-------------------------|----------------------------|--------------|-------------|--------------|-----------|-------------|-------------|-----------|-----------|--|
| Type          |           | Code                    | 0,1<br>(27)                | 0,25<br>(22) | 0,5<br>(20) | 0,75<br>(18) | 1<br>(17) | 1,5<br>(16) | 2,5<br>(14) | 4<br>(12) | 6<br>(10) |  |
| in-line       | manual    | HB 520                  |                            |              |             |              |           |             |             |           |           |  |
|               |           | CRIM 534                |                            |              |             |              |           |             |             |           |           |  |
|               |           | 5305 (kit)              |                            |              |             |              |           |             |             |           |           |  |
|               |           | 5341                    |                            |              |             |              |           |             |             |           |           |  |
|               |           | CRIMDEM 5345 (kit)      |                            |              |             |              |           |             |             |           |           |  |
|               |           | 53P02H                  |                            |              |             |              |           |             |             |           |           |  |
|               |           | CRIMPAR 53P000 + 53M02H |                            |              |             |              |           |             |             |           |           |  |
|               |           | 53KPBF (kit)            |                            |              |             |              |           |             |             |           |           |  |
|               | pneumatic | parallel 6534 + 636D    |                            |              |             |              |           |             |             |           |           |  |
|               |           | 1661 + 534D             |                            |              |             |              |           |             |             |           |           |  |
| lateral       | manual    | CRIM 532                |                            |              |             |              |           |             |             |           |           |  |
|               |           | CRIMPAR 53P000+53M02F   |                            |              |             |              |           |             |             |           |           |  |

## CRIMPING TOOL GUIDE

### FOR C-SHUNT

- copper bright
- tinned

| Crimping tool |              | Section<br>mm <sup>2</sup> (AWG/kcmil) |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|---------------|--------------|----------------------------------------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| Type          | Code         | 6<br>(10)                              | 10<br>(8) | 16<br>(6) | 25<br>(4) | 35<br>(2) | 50<br>(1/0) | 70<br>(2/0) | 95<br>(3/0) | 120<br>(4/0) | 150<br>(300) | 185<br>(400) | 240<br>(500) | 300<br>(600) | 400<br>(800) | 500<br>(1000) | 630<br>(1250) |
| manual        | long handles | 529                                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 582 + series 82                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 182/182P (*) + series 82               |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823/1824 (*) + series 82              |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 1823P + series 82                      |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| hydraulic     | 50 kN        | 1823A1/A2/A3/A4 + series 82            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200 (*) + series 82                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 200PA (*) + series 82                  |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 60 kN        | 1833/1833A1 + series 83                |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 80 kN        | 183/183P (*) + series 83               |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 120 kN       | 184P/184PL + series 84                 |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 125 kN       | 184 (*) + series 84                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 130 kN       | 186 + series 84                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 55 kN        | 37A055/37A055A1 + series 83            |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 60 kN        | 383 (*) + series 83                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| battery       | 62 kN        | 38A062 + series 85                     |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 120 kN       | 384 (*) + series 84                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 130 kN       | 38A130 + series 84                     |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 38A130L + series 84                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 55 kN        | 200A (*) + series 82                   |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
| head          | 60 kN        | 283 (*) + series 83                    |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 80 kN        | 2833 + series 83                       |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               | 120 kN       | 284/284L + series 84                   |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |
|               |              | 286 + series 84                        |           |           |           |           |             |             |             |              |              |              |              |              |              |               |               |

(\*) item running out