

# HEAVY DUTY MULTIPOLE CONNECTORS



## Tools and Accessories



| Part #   | Crimping Tool                           | OEM Part # |
|----------|---|------------|
| CCPZ MIL | Crimp tool for 10A & 16A crimp contacts | CCPZ MIL   |
| CXPZ D   | Crimp tool for 40A crimp contacts       |            |

| Part #   | Turret Head                        | OEM Part # |
|----------|------------------------------------|------------|
| CCTP 10  | for 10A contacts (D and DD series) | CCTP 10    |
| CCTP 16  | for 16A contacts (E series)        |            |
| CXTP 40M | for 40A male contacts              |            |
| CXTP 40F | for 40A female contacts            |            |

| Part # | Control Gauge            | OEM Part # |
|--------|--------------------------|------------|
| CCPNP  | "go/no go" control gauge | CCPNP      |



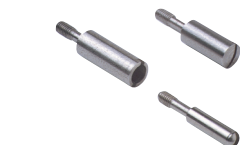
| Part # | Insertion Tool | for insertion of the contacts into the inserts | OEM Part # |
|--------|----------------|--|------------|
| CCIN   |                | for crimped contacts 10amp & 16amp             | CCINA      |

| Part # | Removal Tool | for the extraction of contacts from the inserts | OEM Part # |
|--------|--------------|---|------------|
| CCES   |              | for 10A contacts (D and DD series)              | CCES       |
| CQES   |              | for 16A contacts ( E series)                    | CQES       |
| CXES   |              | for 40A contacts                                |            |



| Part #   | Cable Clamps with Collar with Gasket and Rings | cable gland | OEM Part # |
|----------|--|-------------|------------|
| CRS 13.5 | rubber hole Ø12 mm                             | Pg 13.5     | CRS 13.5   |
| CRS 16   | rubber hole Ø14 mm                             | Pg 16       | CRS 16     |
| CRS 21   | rubber hole Ø18 mm                             | Pg 21       | CRS 21     |
| CRS 29   | rubber hole Ø25 mm                             | Pg 29       | CRS 29     |
| CRS 36   | rubber hole Ø32 mm                             | Pg 36       | CRS 36     |
| CRS 42*  | rubber hole Ø38 mm                             | Pg 42       | CRS 42     |

Die-cast aluminum, normal gasket, rings made of zinc-plated steel.



| Part # | Turret Head   | OEM Part # |
|--------|---|------------|
| CR20   | code pins for 6 variants, made of stainless steel                       | CR 20      |
| CR 20D | code pins for 6 variants, made of zinc diecast                          |            |
| CRM    | guide pins and bushes for 16 variants, male - made of stainless steel   | CRM        |
| CRF    | guide pins and bushes for 16 variants, female - made of stainless steel | CRF        |

## Pg Thread to NPT Thread Adapters - Aluminum-Nickel Plated with "O-Ring"



| Part #   | External Thread | Internal Thread |
|----------|-----------------|-----------------|
| PG11-38  | Pg 11           | 3/8 NPT         |
| PG11-50  | Pg 11           | 1/2 NPT         |
| PG13-50  | Pg 13.5         | 1/2 NPT         |
| PG16-50  | Pg 16           | 1/2 NPT         |
| PG21-50  | Pg 21           | 1/2 NPT         |
| PG21-75  | Pg 21           | 3/4 NPT         |
| PG29-100 | Pg 29           | 1 NPT           |
| PG29-125 | Pg 29           | 1-1/4 NPT       |
| PG36-125 | Pg 36           | 1-1/4 NPT       |
| PG36-150 | Pg 36           | 1-1/2 NPT       |
| PG42-125 | Pg 42           | 1-1/4 NPT       |
| PG42-150 | Pg 42           | 1-1/2 NPT       |

dual coding and guide pins, for 16 codes

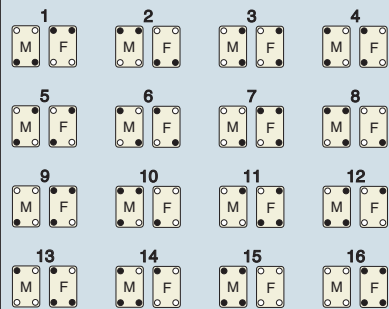


selection is made by using dual coding and guide pins



| description   | part No.                             | part No.                                 |
|---|--------------------------------------|--|
| dual coding pins (excluding MIXO inserts)<br>- male pin<br>- female pin | stainless steel<br><b>CRM</b><br>CRF | zinc plated iron<br>CRM D<br>CRF D       |
| double code pins (for MIXO inserts only)<br>- male pin<br>- female pin  | stainless steel<br>CRM CX<br>CRF CX  | zinc plated iron<br>CRM CX D<br>CRF CX D |

application with single insert



**Code pins**  
- CRM/CRM D and CRF/CRF D  
- CRM CX/CRM CX D and CRF CX/CRF CX D

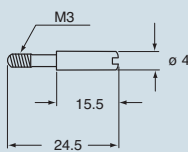
Each series of connector inserts is made in such a way as to make incorrect coupling between inserts of different series impossible.

When a number of identical connectors with different functions are mounted closely together these must be selected in such a way as to prevent the coupling of a mobile part on a non-corresponding fixed part and consequent damage and breakdown.

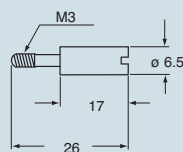
Code pins are supplied to apply in place of the normal insert fastening screws (see example below). In this way the coupling of identical connectors is assured. The combination of code pins makes it possible to obtain a high number of selective couplings.

dimensions in mm

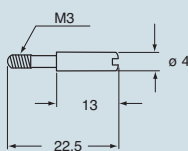
CRM / CRM D



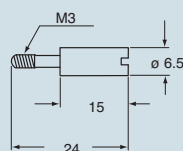
CRF / CRF D



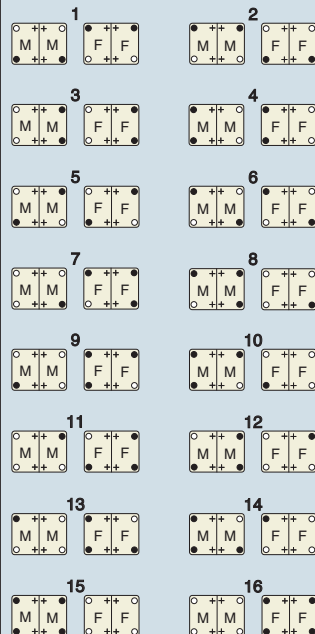
CRM CX / CRM CX D



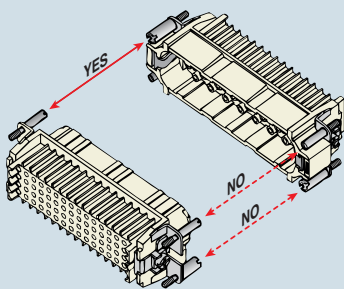
CRF CX / CRF CX D



application with double inserts



- female code pin (CRF/CRF D and CRF CX/CRF CX D)
- male code pin (CRM/CRM D and CRM CX/CRM CX D)
- + normal fixing screw
- M = male insert
- F = female insert



Even when coding is not required, it is recommended to use CRM and CRF pins with CD and CDD inserts to reduce movements when fitting and removing the connectors and to avoid contact damages. Within this scope, the standard DIN 43 652 requires a maximum angular longitudinal fluctuation of  $\pm 5^\circ$ .

dimensions shown are not binding and may be changed without notice