



# TOOLS

The following pages contain tools and wrenches to ensure that your ODU connectors function flawlessly.

# CRIMPING TOOLS / ASSEMBLY TOOLS



**PART NUMBER CRIMPING TOOL**  
080.000.051.000.000

Part number positioner,  
see table

## PROCESSING TOOL FOR CRIMP CONTACTS

Digital adjustment, multiposition

| Size | Number of contacts | Contact diameter<br>mm | Termination cross-section |                 | Adjustment dim.<br>mm | Positioner          |  | Positioning setting |        | Removal tool        |
|------|--------------------|------------------------|---------------------------|-----------------|-----------------------|---------------------|--|---------------------|--------|---------------------|
|      |                    |                        | AWG                       | mm <sup>2</sup> |                       |                     |  | Pin                 | Socket |                     |
| 1    | 6 to 8             | 0.7                    | 24 – 26                   | 0.25 – 0.15     | 0.67                  | 080.000.051.109.000 |  | 9                   | 3      | 087.7CC.070.001.000 |
|      |                    |                        | 22 – 26                   | 0.38 – 0.15     | 0.67                  | 080.000.051.109.000 |  | 9                   | 3      | 087.7CC.070.001.000 |
|      | 4 to 5             | 0.9                    | 22 – 26                   | 0.38 – 0.15     | 0.67                  | 080.000.051.109.000 |  | 8                   | 2      | 087.7CC.090.001.000 |
|      |                    |                        | 20 – 24                   | 0.50 – 0.25     | 0.67                  | 080.000.051.109.000 |  | 8                   | 2      | 087.7CC.090.001.000 |



**PART NUMBER CRIMPING TOOL**  
080.000.037.000.000

Part number positioner,  
see table

## PROCESSING TOOL FOR CRIMP CONTACTS

Mil approved, single position

| Size | Number of contacts | Contact diameter<br>mm | Termination cross-section |                 | Positioner          |                     | Selector setting   |                    | Removal tool        |
|------|--------------------|------------------------|---------------------------|-----------------|---------------------|---------------------|--------------------|--------------------|---------------------|
|      |                    |                        | AWG                       | mm <sup>2</sup> |                     |                     | Pin                | Socket             |                     |
| 1    | 6 to 8             | 0.7                    | 22 – 26                   | 0.38 – 0.15     | 081.KM1.001.948.037 | 081.KM1.001.948.037 | 4                  | 4                  | 087.7CC.070.001.000 |
|      |                    | 0.7                    | 24 – 26                   | 0.25 – 0.15     | 081.KM1.001.948.037 | 081.KM1.001.948.037 | 4                  | 4                  | 087.7CC.070.001.000 |
|      | 4 to 5             | 0.9                    | 20 – 24                   | 0.50 – 0.25     | 081.704.001.849.037 | 081.KM1.001.949.037 | 7/6/5 <sup>1</sup> | 7/6/5 <sup>1</sup> | 087.7CC.090.001.000 |
|      |                    | 0.9                    | 22 – 26                   | 0.38 – 0.15     | 081.704.001.849.037 | 081.KM1.001.949.037 | 4                  | 4                  | 087.7CC.090.001.000 |
|      | Coax               | 0.5                    | 26                        | 0.15            | 081.122.121.001.037 | 081.122.121.002.037 | 3                  | 3                  | —                   |

<sup>1</sup> For AWG 20 position 7/for AWG 22 position 6/for AWG 24 position 5

# CRIMPING TOOLS / ASSEMBLY TOOLS



PART NUMBER CRIMPING TOOL  
080.000.039.000.000

Part number positioner,  
see table

## PROCESSING TOOL FOR CRIMP CONTACTS

Crimp tool for coax contacts, hexagonal

| Size | Number of contacts | Contact diameter<br>mm | Termination cross-section | Crimp dies          |
|------|--------------------|------------------------|---------------------------|---------------------|
| 1    | Coax               | 0.7                    | Shield                    | 082.000.039.102.001 |

## ASSEMBLY TOOL

Assembly tool for coax size 1

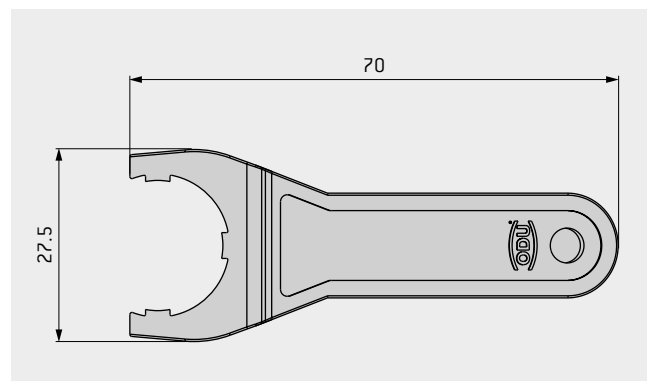
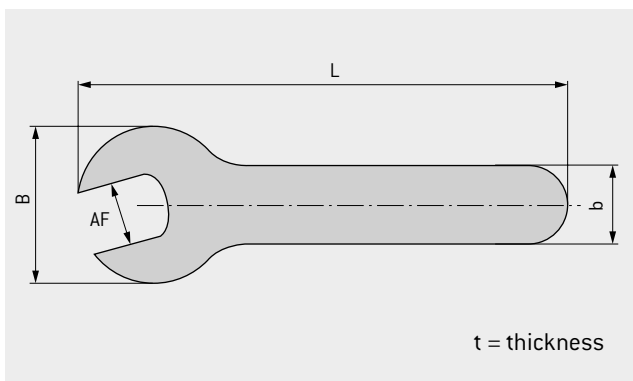
| Size | Number of contacts | Part number         |
|------|--------------------|---------------------|
| 1    | Coax               | 085.122.121.000.000 |



# SPANNER WRENCH



| Size | Use                                    | Part number         | Recommended tightening torque<br>Nm | Dimensions in mm                            |     |      |     |      |
|------|----------------------------------------|---------------------|-------------------------------------|---------------------------------------------|-----|------|-----|------|
|      |                                        |                     |                                     | AF                                          | t   | B    | L   | b    |
| 1    | Receptacle hex nut                     | 598.700.001.008.000 | 1.0                                 | 17                                          | 3   | 35.5 | 145 | 15   |
| 1    | Plug style S1, W1, K1, K5, G6 back nut | KM1.098.006.001.001 | 0.5                                 | on request                                  |     |      |     |      |
| 1    | Plug style S2, S4, W2, K2, K6 back nut | 598.700.001.022.000 | 0.25                                | 9                                           | 2   | 21.5 | 102 | 9    |
| 1    | Right angled plug clamping cap         | 598.700.001.012.000 | 0.3                                 | 11                                          | 2   | 24.5 | 115 | 10   |
| 1    | Straight version break-away plug       | 598.700.001.012.000 | 0.3                                 | 11                                          | 2   | 24.5 | 115 | 10   |
| 2    | Receptacle slotted nut                 | KM2.098.002.923.008 | 1.0                                 | for slotted mounting nut, see picture below |     |      |     |      |
| 2    | Plug style S1 back nut                 | KM2.098.006.001.001 | 0.5                                 | on request                                  |     |      |     |      |
| 2    | Plug style S4 back nut                 | 598.700.001.002.000 | 0.5                                 | 10                                          | 2   | 21.5 | 102 | 9    |
| 2    | Straight version break-away plug       | 598.700.001.005.000 | 0.5                                 | 14                                          | 2.5 | 30.5 | 98  | 16.5 |
| 3.5  | Receptacle hex nut                     | 598.700.001.019.000 | 2.0                                 | 30                                          | 3   | 50   | 150 | 25   |
| 3.5  | Plug style S1 and S3 back nut          | KMB.098.006.001.001 | 1.5                                 | on request                                  |     |      |     |      |
| 3.5  | Plug style S2 and S4 back nut          | 598.700.001.007.000 | 1.5                                 | 16                                          | 3   | 35.5 | 145 | 15   |

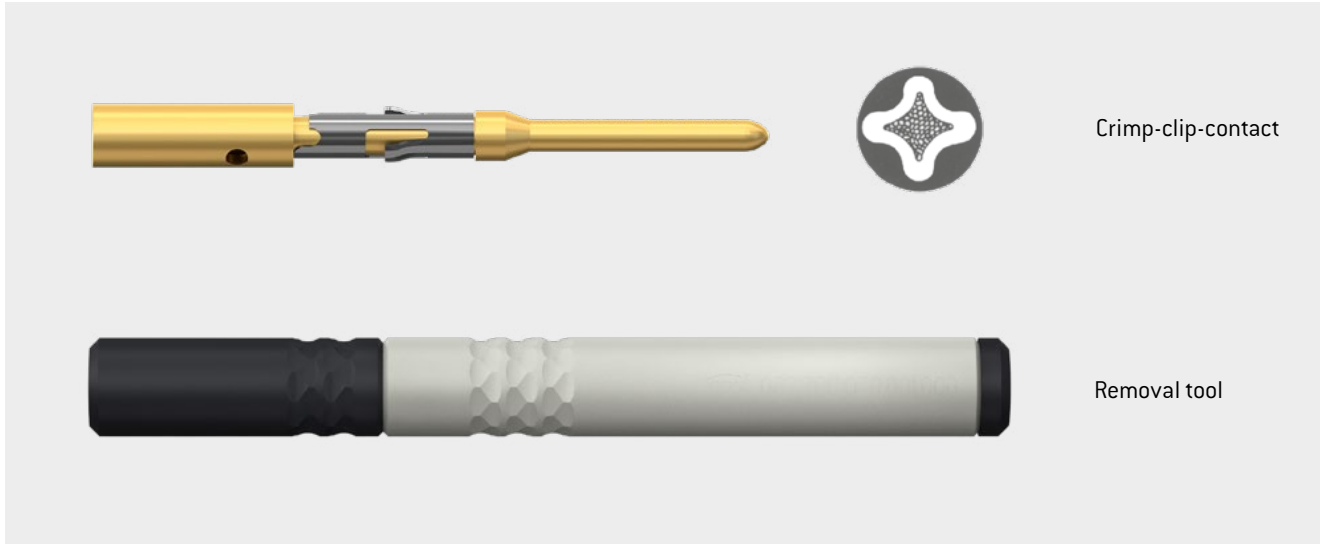


## BOX SPANNER FOR RECEPTACLE FRONT NUTS

| Part number         | Size | Material front nut | Applicable for style | Recommended tightening torque<br>Nm |
|---------------------|------|--------------------|----------------------|-------------------------------------|
| KM1.098.001.923.008 | 1    | Plastic            | G5, G6, G8           | 1.0                                 |
| KM1.098.002.902.000 | 1    | Metal              | G5, GK               | 1.0                                 |
| KM2.098.001.923.008 | 2    | Plastic            | G5                   | 1.0                                 |
| KMB.098.001.000.000 | 3.5  | Plastic            | G8, GC, GD           | 1.5                                 |



# REMOVAL TOOLS FOR CRIMP-CLIP-CONTACTS



| Part number         | Contact Ø<br>mm |
|---------------------|-----------------|
| 087.7CC.070.001.000 | 0.7             |
| 087.7CC.090.001.000 | 0.9             |

## NOTE ON ADHESIVE !

Recommended adhesive for the back nut

Scotch-Weld™, DP 190 (Gray)

ODU PART NUMBER: 890.204.000.030.025

Recommended cleaning agent: Isopropyl alcohol

Caution! Cracks may appear later if unauthorized adhesives and cleaning agents are used

For assembly instructions, please refer to our website: [www.odu-connectors.com/downloads/assembly-instructions](http://www.odu-connectors.com/downloads/assembly-instructions)