



## Backshell-to-Connector Assembly Tools



***Glenair offers a complete family of backshell assembly tools for most Mil-Standard circular connectors, as well as connector wrenches, strap wrenches, and universal connector holding tools***

- Backshell-to-connector holding tools for all cylindrical connectors and accessories in current use
- Special composite thermoplastic coupling nut holding tools
- Discrete tools and complete sets available
- Popular Glenair strap wrenches
- Hand-held and bench-mountable digital torque wrenches
- Cutting shears and other special-purpose cable assembly tools

### Torque Values for Cable Clamp Screws

Torque Requirements in Inch-Pounds  
for Corrosion-Resistant Steel Screws Only\*

| Screw Size | Recommended Torque |
|------------|--------------------|
| 2-56       | 2+.5               |
| 4-40       | 4+.5               |
| 6-32       | 6+1.0              |
| 8-32       | 8+1.0              |
| 10-32      | 10+1.0             |
| .250-20    | 12+1.0             |

## Glenair Offers a Complete Family of Backshell Assembly Tools

### Connector Holding Wrenches for Most Military Standard Circular Connectors

**TG47** • MIL-DTL-22992

**TG48** • MIL-DTL-38999 Series II

**TG52** • MIL-DTL-81511 Series II and IV

**TG60** • MIL-DTL-27599 and MIL-DTL-38999 Series I

**TG61** • MIL-DTL-81511 Series I and II

**TG83** • (LN29729) for SJT Connectors

**TG90** • MIL-DTL-38999 Series III



**Glenair TG70 Strap Wrench with Square Drive for Torque Wrench**

Dimensions in inches (millimeters) and are subject to change without notice.

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## Backshell-to-Connector Assembly Tools



Supplemental  
Product Information

### Installation Torque Values for Circular Electrical Connector Accessories

Accessory Thread Torque:  $\pm 5$  inch pounds

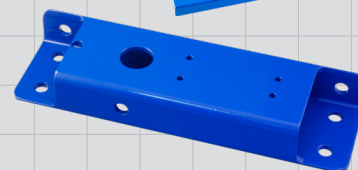
| Shell Sizes        | Group 1                                                                                                                                                                                           | Group 2                                                                                                                                                                                       | Group 2                                                                |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                    | Light & Medium<br>MIL-C-5015<br>(MS3100 Series)<br>MIL-C-26482 Series I<br>MIL-C-26500<br>MIL-C-27599<br>MIL-C-38999 Series I, II<br>MIL-C-81511<br>Series I, II, III, IV<br>MIL-C-81703 Series I | Duty Heavy Duty<br>MIL-C-5015 (MS3400 Series)<br>MIL-C-22992<br>MIL-C-26482 Series II<br>MIL-C-28840<br>MIL-C-38999 Series III, IV<br>MIL-C-81703 Series III<br>MIL-C-83723 Series I, II, III | Values for<br>Hand Held Tool<br>Applications<br>Field Repair<br>Torque |
| 8, 9, A            | 35                                                                                                                                                                                                | 56                                                                                                                                                                                            | 40-50                                                                  |
| 3, 10, 10SL, 11, B | 35                                                                                                                                                                                                | 76                                                                                                                                                                                            | 40-50                                                                  |
| 7, 12, 12S, 13, C  | 40                                                                                                                                                                                                | 108                                                                                                                                                                                           | 40-50                                                                  |
| 14, 14S, 15, D     | 40                                                                                                                                                                                                | 116                                                                                                                                                                                           | 50-60                                                                  |
| 16, 16S, 17, E     | 40                                                                                                                                                                                                | 116                                                                                                                                                                                           | 50-60                                                                  |
| 18, 19, 27, F      | 40                                                                                                                                                                                                | 116                                                                                                                                                                                           | 50-60                                                                  |
| 20, 21, 37, G      | 80                                                                                                                                                                                                | 136                                                                                                                                                                                           | 80-90                                                                  |
| 22, 23, H          | 80                                                                                                                                                                                                | 136                                                                                                                                                                                           | 80-90                                                                  |
| 24, 25, 61, J      | 80                                                                                                                                                                                                | 136                                                                                                                                                                                           | 80-90                                                                  |
| 28, 29             | 120                                                                                                                                                                                               | 148                                                                                                                                                                                           | 120-130                                                                |
| 32, 33             | 120                                                                                                                                                                                               | 148                                                                                                                                                                                           | 120-130                                                                |
| 36                 | 120                                                                                                                                                                                               | 148                                                                                                                                                                                           | 120-130                                                                |
| 40                 | 160                                                                                                                                                                                               | 164                                                                                                                                                                                           | 150-170                                                                |
| 44                 | 160                                                                                                                                                                                               | 164                                                                                                                                                                                           | 150-170                                                                |
| 48                 | 160                                                                                                                                                                                               | 164                                                                                                                                                                                           | 150-170                                                                |

### Torque Wrenches and Bench Stands

#### Digital Torque Wrench 600-161

#### Bench Stand For Digital Torque Wrench 600-162BV 600-162B

Vertical (BV) and  
Horizontal Mounting (B)  
Options



#### Hand-Held Torque Wrench 600-076 High Torque 600-004 Standard Torque

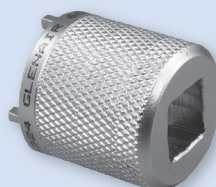
### Backshell Coupling Nut Wrenches



600-006 Standard  
600-079 Anti-Decoupling  
600-102 Standard (Stainless Steel)  
Circular Backshell Composite  
Assembly Wrenches



600-091 Composite-Hex-Coupling  
Wrench for Backshells



#### Spanner Tool for Tightening Series 80 Jam Nuts

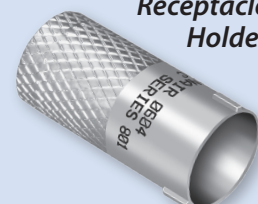
#### Backshell Assembly and Repair Tool Kits

The **TG80 Tool Kit** is designed  
for field use with circular  
electrical connectors. Tool Kits  
conforming to the requirements  
of **MIL-T-83507** are also available

### Plug and Receptacle Holding Tools for Backshell-to- Connector Assembly



Plug  
Holder



Receptacle  
Holder

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