

# QPL QUALIFIED AND COTS EQUIVALENT MIL-DTL-38999 Series III and IV, Environmental



## Contact crimp and installation tools

SERIES III AND IV CONTACTS AND TOOLS

### ADJUSTABLE CRIMP TOOLS FOR SIZE #22D AND #20 POWER AND SIZE #8 AND #12 COAX CONTACTS

These crimp tools perform precision eight indent crimps for gas-tight wire terminations and excellent tensile strength. Adjustment wheel has 8 settings. Ratchet mechanism prevents improper crimps. Use with bayonet-type positioners. Check calibration with M22520/3 gages. Length is 6.75 inches, weight is approx. 10 oz.



1

**1** Standard M22520/2-01 miniature crimper. Use with standard size #22D and #20 contacts also for use with size #12 and #20 coaxial center of M39029/75, /60, /59 contacts. positioners, ordered separately.



2

**2** Glenair 809-128 size #12 coax crimper. Use with size #12 M39029/103 and /102, 3 GHz coax and 02003 and 02004 twinax contacts. Positioners, ordered separately. Coax and Twinax contacts also require shield crimp sleeve tools, sold separately.

Glenair Part Number	Military Part Number	Daniels Part Number
809-015	M22520/2-01	AFM8
809-128	N/A	MH992



3

**3** Positioners for #20, #22D power contacts and size #8 and #12 coaxial contacts. Coax positioners are for crimping inner contact of M39029/28, /75, /60, /59 contacts. Use with 809-015 or 809-128 crimp tool as required.

Power Contact Positioners			
Contact Size	Glenair Part Number	Military Part Number	Daniels Part Number
#22D (Pin)	N/A	M22520/2-09	K42
#22D (Socket)	N/A	M22520/2-07	K40
#20	N/A	M22520/2-10	K43

Coaxial Inner Contact Positioner			
Contact Size	Glenair Part Number	Military Part Number	Daniels Part Number
#12	859-135	M22520/2-34	K-323
#12	859-006	N/A	K1721
#12	859-125		K136
#8	859-050	M22520/2-31	K-406

Twinax Inner Contact Positioner			
Contact Size	Glenair Part Number	Military Part Number	Daniels Part Number
#8	809-240	M22520/2-37	K-709

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## CRIMP TOOL AND POSITIONER FOR #12 AND #16 POWER CONTACTS

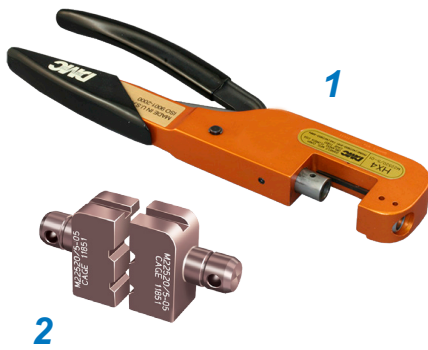


**1** Crimp tool for use with size #16 and #12 power pins. 9.75 inches OAL, 1.25 pounds. Use with M39029/57 and /58 contacts and 809-093 adapters.

**2** Positioner for use with size #12 and #16 Power contacts.

Figure	Glenair Part Number	Military Part Number	Daniels Part Number
1	<b>809-136</b>	M22520/1-01	AF8
2	<b>809-137</b>	M22520/1-04	TH163

## PARALLEL ACTION CRIMP TOOL AND HEX DIE SET FOR #8 AND 12 COAX AND TWINAX CONTACTS



**1** Parallel action tool for use with hex crimp dies. 11 inches OAL, 2.0 pounds. Anodized aluminum frame, steel mechanism, plastic handles. Includes tool for die set removal. Accepts all M22520/5 die sets.

Glenair Part Number	Military Part Number	Daniels Part Number
<b>809-129</b>	M22520/5-01	HX4

**2** Die set for terminating twinax shield and intermediate contact as well as coax shield crimp sleeve. Use with size #8 and #12 coaxial and concentric twinax contacts. Set consists of upper and lower halves. Made of hardened steel with black oxide finish. Approximately 2 inches in length, assembled. Die set has two closures per illustration.

Contact Type	Contact Size	Hex Dies		
		Glenair Part Number	Military Part Number	Daniels Part Number
Coax	#8	<b>859-051</b>	M22520/5-05	Y197
Coax	#12	<b>809-130</b>	M22520/5-03	Y196
Twinax	#12	<b>859-048</b>	M22520/5-105	Y631

## CRIMP TOOL AND POSITIONER FOR #12 COAXIAL SHIELD CRIMP SLEEVE



For crimping size #12 shield sleeves. These mil spec approved tools feature a ratchet mechanism to prevent damage from overcrimping. Check calibration with M22520/3 gage.

**1** Crimp tool for use with size #12 coaxial contacts. Black handles. 9.75 inches OAL, 1.25 pounds.

**2** Positioner for use with size #12 coaxial contacts. Use with 809-133 (M22520/31-01) crimp tool.

Figure	Glenair Part Number	Military Part Number	Daniels Part Number
2	<b>809-133</b>	M22520/31-01	GS200-1
3	<b>809-134</b>	M22520/31-02	G2P330

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**CRIMP TOOL AND POSITIONER FOR #12 TWINAX INTERMEDIATE CONTACT**

For use with 02004-936 and -926 intermediate contact

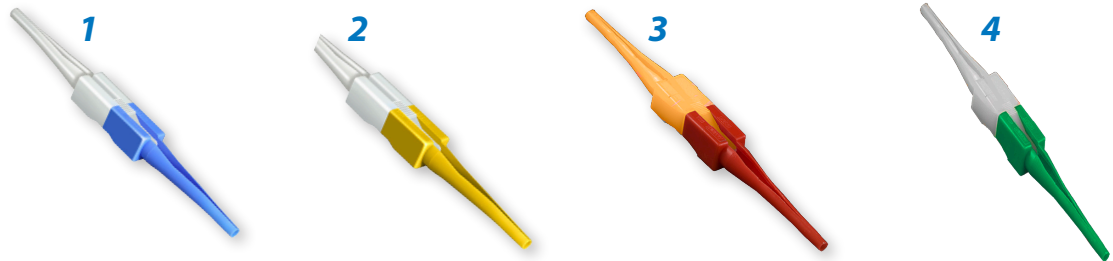
Glenair Part Number	Military Part Number	Daniels Part Number
<b>859-126</b>	N/A	GS212
<b>859-127</b>	N/A	GP1437

**CRIMP TOOL AND POSITIONER FOR #12 TWINAX SHIELD CRIMP SLEEVE**

For use with 02004-936 and -926 shield crimp sleeve

Glenair Part Number	Military Part Number	Daniels Part Number
<b>809-133</b>	M22520/31-01	GS200-1
<b>859-128</b>	N/A	GP959

**CONTACT INSERTION AND REMOVAL TOOLS**



**1** Insertion/Extraction Tool for #16 Contacts. Use with size power contacts. Economical molded plastic. White extraction tip, blue insertion tip.

**2** Insertion/Extraction Tool for #12 Contacts. Use with size #12 coaxial or power contacts. Molded plastic. White extraction tip, yellow insertion tip.

**3** Insertion/Extraction Tool for #20 Contacts. Molded plastic. Orange extraction tip, red insertion tip.

**4** Insertion/Extraction Tool for #22D Contacts. Molded plastic. White extraction tip, green insertion tip.

Figure	Size	Type	Part Number	Military Part Number	Daniels Part Number
1	#16	Insertion/Extraction	<b>809-131</b>	M81969/14-03	(None)
2	#12	Insertion/Extraction	<b>809-132</b>	M81969/14-04	(None)
3	#20	Insertion/Extraction	<b>809-207</b>	M81969/14-10	(None)
4	#22D	Insertion/Extraction	<b>859-020</b>	M81969/14-01	(None)