DANIELS MANUFACTURING CORPORATION®

TOOLING GUIDE

Precision Tooling for High-Reliability Electrical Systems

DMC® is an ISO9001:2015 and AS9100D Registered Company.
Scan the QR to learn more about our commitment to quality.

LIMITED WARRANTY: DMC warrants each new product sold by it to be free from defects in material and workmanship under normal use and service. DMC's obligation under this warranty is limited to the free correction or, at DMC's option, the refund of the purchase price of any such product which proves defective in normal service within ninety (90) days after delivery to the first user, provided that the product is returned to DMC with all transportation charges prepaid and which shall appear to DMC's satisfaction, after DMC's inspection, to have been defective in material or workmanship, it being understood that DMC products are not consumer products. This warranty shall not cover any damage to any product which, in the opinion of DMC, was caused by normal wear, misuse, improper operation, tampering, neglect, or accident. This warranty is in lieu of all other warranties express or implied. No warranty, express or implied, is made or authorized to be made or assumed with respect to products of Daniels Manufacturing Corporation other than those herein set forth.

TG-BK Rev B.2

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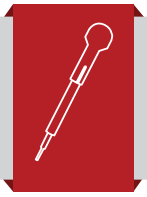

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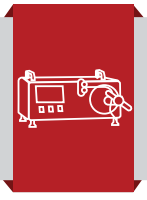

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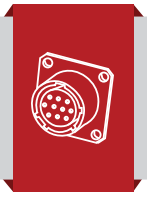

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OUR MISSION IS ROOTED IN OUR

HISTORY

Daniels Manufacturing was incorporated in Pontiac, Michigan. In its early days, DMC served missile, aircraft, and electronics industries with precision machined parts and assemblies.

1949

1957

The MS3191-1 crimp tool is designed to maintain electrical systems on the B-58 bomber.

The MS3191-4 replaced earlier military standard crimp tools with an improved design that featured seven independently adjustable crimp depths and a double-tipped indenter that produced an eight-indent crimp pattern.

1965

1971

DMC became an authorized supplier of tools for the US military and is listed on the DOD Qualified Products List (QPL). DMC's AF8 also became qualified as M22520/1-01.

DMC developed pneumatic crimp tools to support high-production environments.

1976

1985

DMC began offering connector assembly tooling including backshell adapters.

ISO 9001

DMC became certified to ISO 9001 by the International Organization for Standardization.

1987

"The trusted provider of tooling and technology for mission-critical electrical systems."

Daniels Manufacturing Corporation® (DMC®) has been the trusted provider of tooling and technology for mission-critical electrical systems for over 75 years. During that time, we have remained committed to listening to our customers' developing challenges and ensuring that they have the necessary tools to drive their success.

DMC is an active participant in multiple industry associations and a leader in the implementation of new standards, technology, and developments. This industry leadership translates into expertise that we actively share with our customers through comprehensive training and our extensive product line.

Our offerings cover a wide range of tools for manufacturing and maintaining high-reliability electrical wiring systems, including solutions for crimping, stripping, insertion/removal, verification, and connector assembly.

DMC is proud to be an AS9100D and ISO 9001:2015 registered company, whose products can also be found on the DOD Qualified Products List (QPL). When you choose DMC, you're choosing a partner with a commitment to innovation and a legacy of excellence in the world of high-reliability electrical systems.

1989

DMC added large gage crimping capabilities to cover 8-4/0 AWG. This included tools from the HD and HC series.

1991

DMC began producing pneumatic wire strippers.

1992

Safe-T-Cable® was added to DMC's product line and quickly became the standard for secondary fastener retention.

1995

DMC began manufacturing tensile testing equipment with the acquisition of Alphatron®.

1999

NSF
NSF-ISR
Registered to AS9100 (with ISO 9001)

The Society of Automotive Engineers certified DMC to AS9100.

2017

DMC began offering Twist-Strip®, an adjustable stripping tool for twisted shielded cable.

2020

DMC acquired and optimized LaceLok® as a solution to replace cable and hand-tied lace for secondary wire harness support.

2024

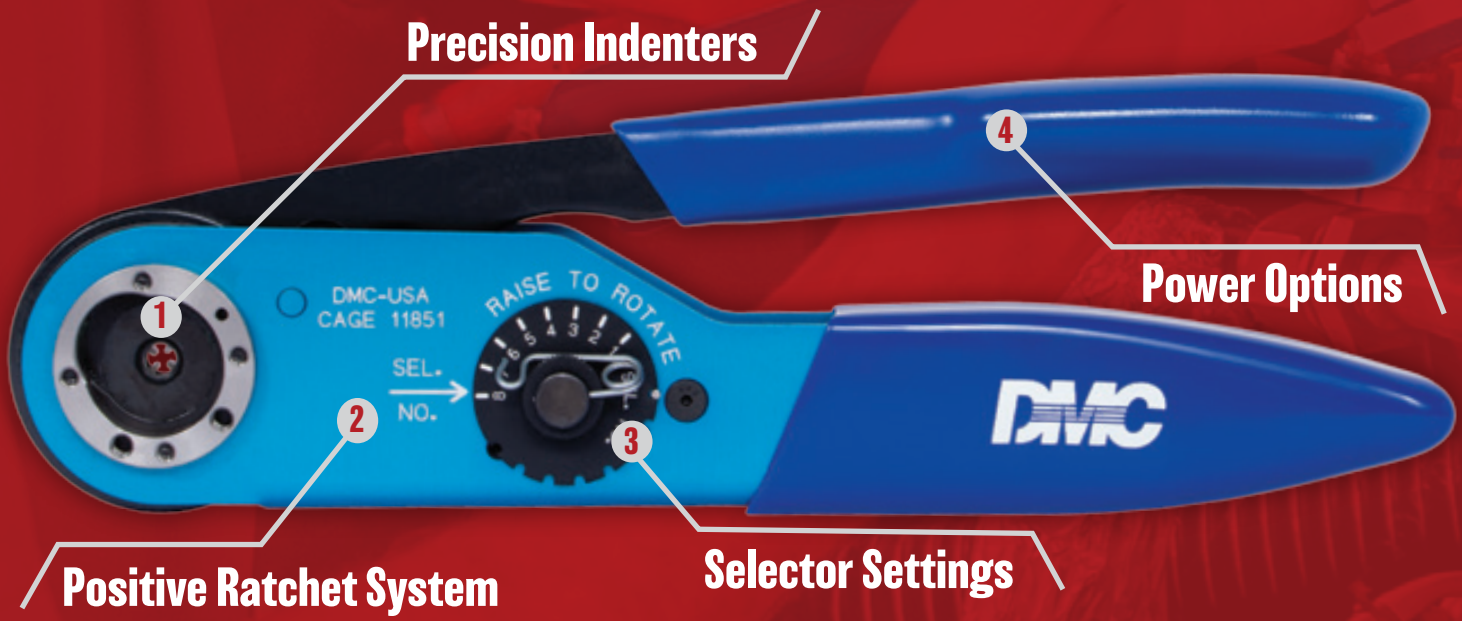
DMC Europe is established near Frankfurt, Germany.

DMC EUROPE

INDENT CRIMP TOOLS

DMC's indent crimp tools are specialized tools used primarily in the production, repair, and maintenance of high-reliability electrical systems. Each tool is precisely calibrated to apply just the right amount of force in the right location for a specific application. This precision is essential in maintaining electrical continuity and mechanical strength. DMC also manufactures verification equipment that allows operators to ensure tool accuracy and adhere to strict industry standards. Our indent crimp tools are a trusted choice for professionals working in mission-critical industries.

TYPICAL INDENTER



Tool Features

1. Precision Indenters

Several of our tools feature precision indenters that produce 8 indents. Three of our military-qualified indent crimp tools, notably the AF8, AFM8, and MH860 along with their powered equivalents are covered in this section. These tools are known for their accuracy, versatility, durability, and compliance with industry standards.

2. Positive Ratchet System

The double action ratchet system inside all of DMC's manual indent crimp tools controls the cycling of the tool in both directions of handle movement. This feature ensures a full crimp cycle and makes our tools ideal for mission-critical applications.

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Interchangeable Turrets and Positioners

Inspection Gages

Tool Kits

Interchangeable Turrets and Positioners

DMC offers a variety of positioners and turrets that extend the capabilities of each tooling platform. Positioners are limited to one contact size while turret heads can accommodate up to three contact sizes (shown by the color coded indicators). Data plates affixed to these accessories specify the contact part numbers and required selector depth settings for the wire size being used to ensure an accurate crimp each time.

Inspection Gages

Go/No-Go gages ensure the accuracy and high performance of each crimp tool and allow operators to perform on-site verifications of calibration periodically. Gages work by verifying that the indenters close to provide optimal crimp depth. Cycle counters are also available to better monitor the frequency of inspections. A cycle counter tracks the number of crimp cycles a tool performed per shift or in a tool's lifetime.

Tool Kits

Indent crimp tools can be purchased individually or in a kit that includes the tool and accessories such as turrets, positioners, gages, and instruction sheets. DMC produces kits built to military specifications or for general purpose use.

3. Selector Settings

Built in selector setting knobs allow operators to control the depth of the indenters and produce the necessary crimp based on contact and wire size. DMC also offers side selectors for easier access to settings during bench-mounted operations.

4. Power Options

DMC offers four main power types: manual, pneumatic, battery, and hydraulic. Manual tools tend to be for applications smaller than 8 AWG. Pneumatic tools are powered by compressed air and offer higher production capabilities and a suitable crimp force for large gauge applications. Battery and hydraulic tools are ergonomic solutions that can also crimp larger wire types.

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AFM8 Adjustable Lower-Range 8-Indent Crimp Tool

The AFM8® (qualified to AS22520/2) is a miniature adjustable crimp tool that creates mil-standard 8-indent crimps for smaller wire sizes. This tool is precisely engineered to ensure maximum tensile strength and conductivity. The positive ratchet and 8 selector settings guarantee an accurate and reliable crimp every time. K series positioners are designed to adapt the AFM8 to a variety of contacts.

- 32 to 20 AWG
- MIL M22520/2-01
- G125 Go/No-Go Gage
- QPL Approved

Length	7.5”
Width	2.4”
Height	0.8”
Weight	10 oz

CRIMP STYLE

G125 GAGE

AFM8-CC

Length	7.5”
Width	2.4”
Height	1”
Weight	11 oz

Enhance your tool’s functionality with the added benefit of a cycle counter. This feature is designed to keep track of the number of cycles a tool has performed which aids in efficient tool management.

FEATURES

Track tool usage and plan maintenance and calibration at regular intervals

Monitor cycles to ensure process control

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WA22

Length	8”
Width	2.3”
Height	2.4”
Weight	2.2 lbs

NSN: *5130-01-446-2134*
Supplied with a nine foot hose.
Meets CE standards.

WA22SS

WA22-CC

WA22SS-CC

Pneumatic

FEATURES

- Fulfills the same precise crimp requirements as the manual AFM8 tool
- Perfect for bench-mounted operations
- Easily adapted for foot operated use
- Adaptable to automation with APMOD-WA22-RK

WA22 OPTIONAL CONFIGURATIONS	
Side Selector	WA22SS
Cycle Counter	WA22-CC
Side Selector and Cycle Counter	WA22SS-CC

Optional side selectors provide easier access to the selector knob during bench-mounted operations.

WA22-LC-X1

Length	8”
Width	2.3”
Height	2.1”
Weight	1.9 lbs

Supplied with a nine foot hose.

Pneumatic

FEATURES

- Fulfills the same precise crimp requirements as the manual AFM8 tool
- Compact and lightweight design makes it suitable for handheld or bench-mounted operations
- Ideal for terminations on vertical and horizontal wiring boards

Find pneumatic accessories on page 131.

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AFM8 KITS

Save time, reduce costs, and ensure the longevity of your tools

DMC offers kits containing tools, gages, and accessories for many of our tools. Available kits include those suitable for a wide range of applications and others that are tailored to a specific need. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts and instructions

DMC5002

1	AFM8 Crimp Tool
42	M22520/2 Positioners (/2-02 thru -43)
1	Inspection Gage

DMC1633

1	AFM8 Crimp Tool
3	M22520/2 Positioners (/2-06, -08, and -09)
2	M81969/1 Plastic Insertion/Removal Tools

DMC67

MIL P/N: *MIL-DTL-83507/17-01*
NSN: *5180-01-006-2865*

1	AFM8 Crimp Tool
9	M22520/2 Positioners (/2-02 thru -10)
1	Inspection Gage

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AFM8 RELATED PRODUCT LIST

Required accessories for proper usage of the AFM8

AFM8 AND RELATED PRODUCTS			
MILITARY P/N	DMC P/N	NSN	
M22520/2-01	AFM8	5120-00-165-3910	★
M22520/3-1	G125	5220-00-090-6722 5220-01-016-6002 5220-01-329-0162	★
M22520/2-02	K1S	5120-01-335-8592	★
M22520/2-03	K60S	5120-00-016-7657	★
M22520/2-04	K151	5120-00-017-3640	★
M22520/2-05	K3	5120-00-017-3742	★
M22520/2-06	K41	5120-00-017-3809	★
M22520/2-07	K40	5120-01-335-8625	★
M22520/2-08	K13-1	5120-01-335-8626	★
M22520/2-09	K42	5120-01-335-8627	★
M22520/2-10	K43	5120-01-335-8628	★
M22520/2-11	K287	5120-01-335-8629	★
M22520/2-12	K286	5120-00-017-3935	★
M22520/2-13	K338	5120-00-132-6939	★
M22520/2-14	K340	5120-00-132-6962	★
M22520/2-15	K341	5120-00-132-6978	★
M22520/2-16	K339	5120-00-132-7868	★
M22520/2-17	K342	5120-00-132-7893	★
M22520/2-18	K343	5120-01-132-7894	★
M22520/2-19	K330-2	5120-01-201-1378	★
M22520/2-20	K331-2	N/A	★
M22520/2-21	K332-2	5120-00-133-0029	★
M22520/2-22	K212	N/A	★
M22520/2-23	K267-1	5120-01-335-8611	★
M22520/2-24	K75S-1	5120-00-348-7531	★
M22520/2-25	K261-1	N/A	★
M22520/2-26	K262-1	5120-00-133-3263	★
M22520/2-27	K269-1	N/A	★
M22520/2-28	K373-1	5120-00-124-3678	★
M22520/2-29	K372-1	5120-00-124-3682	★
M22520/2-30	K404	5120-01-117-3905	★
M22520/2-31	K406	5120-01-335-8619	★
M22520/2-32	K496	5120-01-191-5898	★
M22520/2-33	K74S	5120-00-116-7451	★
M22520/2-34	K323	5120-00-117-4706	★
M22520/2-35	K532-1	5120-01-481-7781	★
M22520/2-36	K473	5120-01-335-8596	★
M22520/2-37	K709	5120-01-361-9666	★
M22520/2-38	K1561	N/A	★
M22520/2-39	K1430-1	N/A	★
M22520/2-40	K1457-1	N/A	★
M22520/2-41	K2134	N/A	★
M22520/2-42	K2179	N/A	★
M22520/2-43	K2180	N/A	★

More options are available. Consult DMC for a full list of tooling.

★ *Approved on QPL*

AFM8 POSITIONERS

Typical K Series Positioner

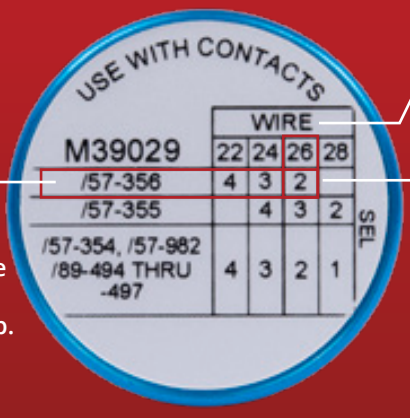
SK2/2 Universal Adjustable Positioner

This adjustable positioner is well suited for lab work and prototype applications.

DMC TIPS

HOW TO READ A K-POSITIONER

Technicians must take into consideration contact type and wire size when crimping contacts in order to determine the correct selector setting. Smaller selector settings create a tighter crimp. The affixed dataplate on each K-positioner indicates the correct selector setting to choose based on the contact and wire used.



1. Identify the contact you want to crimp.
2. Determine the correct wire size.
3. Meet the two in the middle to find the correct selector setting.

LEARN MORE ABOUT USING THE AFM8

qrco.de/ReadingAPositioner

MH860 Adjustable Middle-Range 8-Indent Crimp Tool

The MH860® (qualified to AS22520/7) indent crimp tool provides added versatility by supporting the most widely used wire sizes in both the AF8 and AFM8. The MH860 may be used in a variety of applications with interchangeable 86-type positioners. It is identifiable by its unique green tool frame.

Length	7.5”
Width	2.4”
Height	0.8”
Weight	10 oz

- 32 to 16 AWG
- MIL M22520/7-01
- G145 Go/No-Go Gage
- QPL Approved

CRIMP STYLE

G145 GAGE

MH860-CC

Length	7.5”
Width	2.4”
Height	1”
Weight	11 oz

Enhance your tool’s functionality with the added benefit of a cycle counter. This feature is designed to keep track of the number of cycles a tool has performed which aids in efficient tool management.

FEATURES

Track tool usage and plan maintenance and calibration at regular intervals

Monitor cycles to ensure process control

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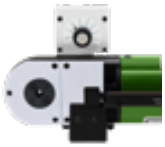
WA22P

Length	8”
Width	2.3”
Height	2.4”
Weight	2.2 lbs

Supplied with a nine foot hose.
All variants meet CE standards.

WA22PSS

WA22P-CC



WA22PSS-CC

Pneumatic

FEATURES

- Fulfills the same precise crimp requirements as the manual MH860 tool
- Perfect for bench-mounted operations
- Easily adapted for foot operated use
- Adaptable to automation as WA22PQA

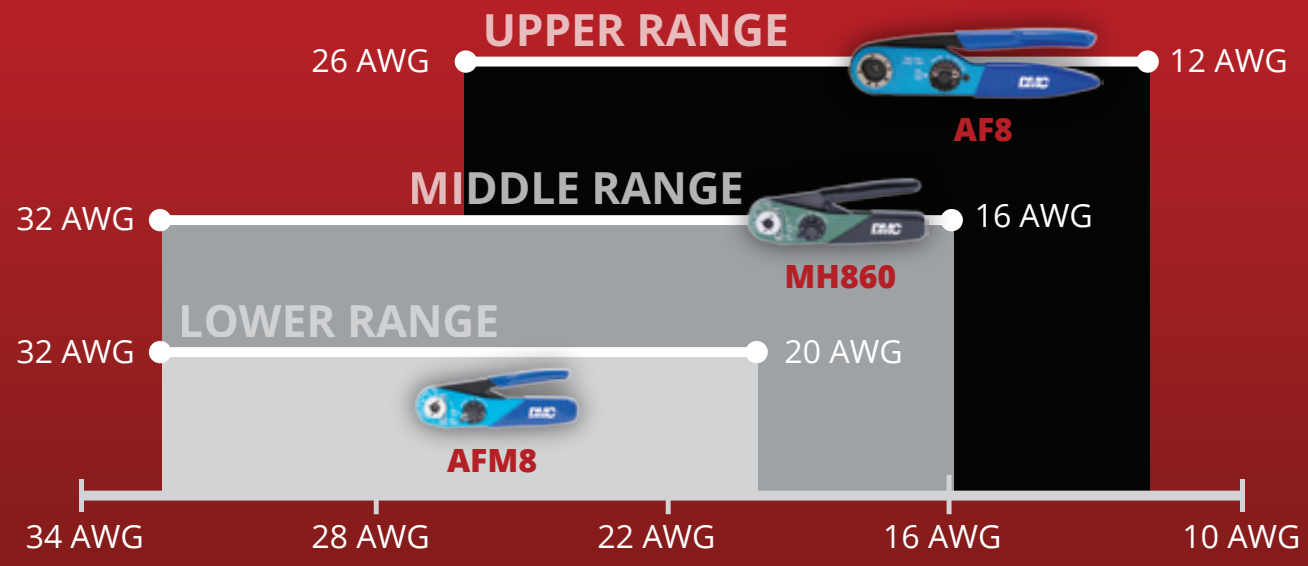
WA22P OPTIONAL CONFIGURATIONS	
Side Selector	WA22PSS
Cycle Counter	WA22P-CC
Side Selector and Cycle Counter	WA22PSS-CC

Optional side selectors provide easier access to the selector knob during bench-mounted operations.

Find pneumatic accessories on page 131.

MH860 Wire Range

The MH860 covers commonly used wire sizes in the aerospace industry and eliminates the need for having multiple crimp tools.



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MH860 KITS

Save time, reduce costs, and ensure the longevity of your tools

DMC offers kits containing tools, gages, and accessories for many of our tools. Available kits include those suitable for a wide range of applications and others that are tailored to a specific need. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

Organized and protected tooling

Convenient carrying case

Contents charts and instructions

DMC5007

1	MH860 Crimp Tool
13	All M22520/7 Positioners (/7-02 thru -14)
1	Inspection Gage

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MH860 RELATED PRODUCT LIST

Required accessories for proper usage of the MH860

MILITARY QUALIFIED TOOL AND GAGE			
MILITARY P/N	DMC P/N	NSN	
M22520/7-01	MH860	5120-00-133-1747	★
M22520/3-3	G145	5220-00-338-0378 4920-01-504-2373	★

MILITARY QUALIFIED POSITIONERS			
MILITARY P/N	DMC P/N	NSN	
M22520/7-02	86-1S	5120-01-286-4421	★
M22520/7-03	86-2	5120-00-133-1770	★
M22520/7-04	86-3	5120-00-133-1772	★
M22520/7-05	86-4	5120-01-527-6958	★
M22520/7-06	86-5	5120-01-274-7657	★
M22520/7-07	86-6	5120-00-133-1782	★
M22520/7-08	86-7	5120-00-133-1785	★
M22520/7-09	86-11S	5120-00-133-1790	★
M22520/7-10	86-12S	5120-00-133-1792	★
M22520/7-11	86-19	5120-01-516-6561	★
M22520/7-12	86-20	5120-01-112-2925	★
M22520/7-13	86-21	5120-01-110-4472	★
M22520/7-14	86-30-1	N/A	★

More options are available. Consult DMC for a full list of tooling.

★ *Approved on QPL*

MH860 POSITIONERS

Typical 86 Series Positioner

86-37
Adjustable Positioner

This adjustable positioner is well suited for lab work and prototype applications.

DMC TIPS

HOW TO READ AN 86-TYPE POSITIONER

Technicians must take into consideration contact type and wire size when crimping contacts in order to determine the correct selector setting. Smaller selector settings create a tighter crimp. DMC has included a dataplate on each 86-type positioner in order to address this. These dataplates let operators know the correct selector setting to choose based on the contact and wire used.

1. Identify the contact you want to crimp.

2. Determine the correct wire size.

3. Meet the two in the middle to find the correct selector setting.

LEARN MORE ABOUT READING POSITIONERS
qrco.de/Reading_Positioners

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AF8 Adjustable Upper-Range 8-Indent Crimp Tool

The AF8® (qualified to AS22520/1) is an upper-range crimp tool that produces mil-standard 8-indent crimps. The tool features a positive ratchet to provide maximum mechanical advantage for crimping larger wire sizes. With over one hundred applicable turret heads and turret positioners available, the AF8 is a highly versatile tool that can adapt to various wire and contact combinations.

Length	9.8″
Width	2.5″
Height	1.1″
Weight	15 oz

- 26 to 12 AWG
- MIL M22520/1-01
- G125 Go/No-Go Gage
- QPL Approved

CRIMP STYLE

G125 GAGE

AF8-CC

Length	9.8″
Width	2.5″
Height	1.1″
Weight	19 oz

Enhance your tool's functionality with the added benefit of a cycle counter. This feature is designed to keep track of the number of cycles a tool has performed which aids in efficient tool management.

FEATURES

Track tool usage and plan maintenance and calibration at regular intervals

Monitor cycles to ensure process control

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WA27F

Length	10″
Width	3″
Height	3″
Weight	3.8 lbs

NSN: *5130-01-269-6940*
Supplied with a nine foot hose.
All variants meet CE standards.

WA27FSS

WA27F-CC

WA27FSS-CC

Pneumatic

FEATURES

- Fulfills the same precise crimp requirements as the manual AF8 tool
- Perfect for bench-mounted operations
- Easily adapted for foot operated use
- Adaptable to automation with APMOD-WA27-RK

WA27F OPTIONAL CONFIGURATIONS	
Side Selector	WA27FSS
Cycle Counter	WA27F-CC
Side Selector and Cycle Counter	WA27FSS-CC

Optional side selectors provide easier access to the selector knob during bench-mounted operations.

Find pneumatic accessories on page 131.

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AF8 KITS

Save time, reduce costs, and ensure the longevity of your tools

DMC offers kits containing tools, gages, and accessories for many of our tools. Available kits include those suitable for a wide range of applications and others that are tailored to a specific need. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts and instructions

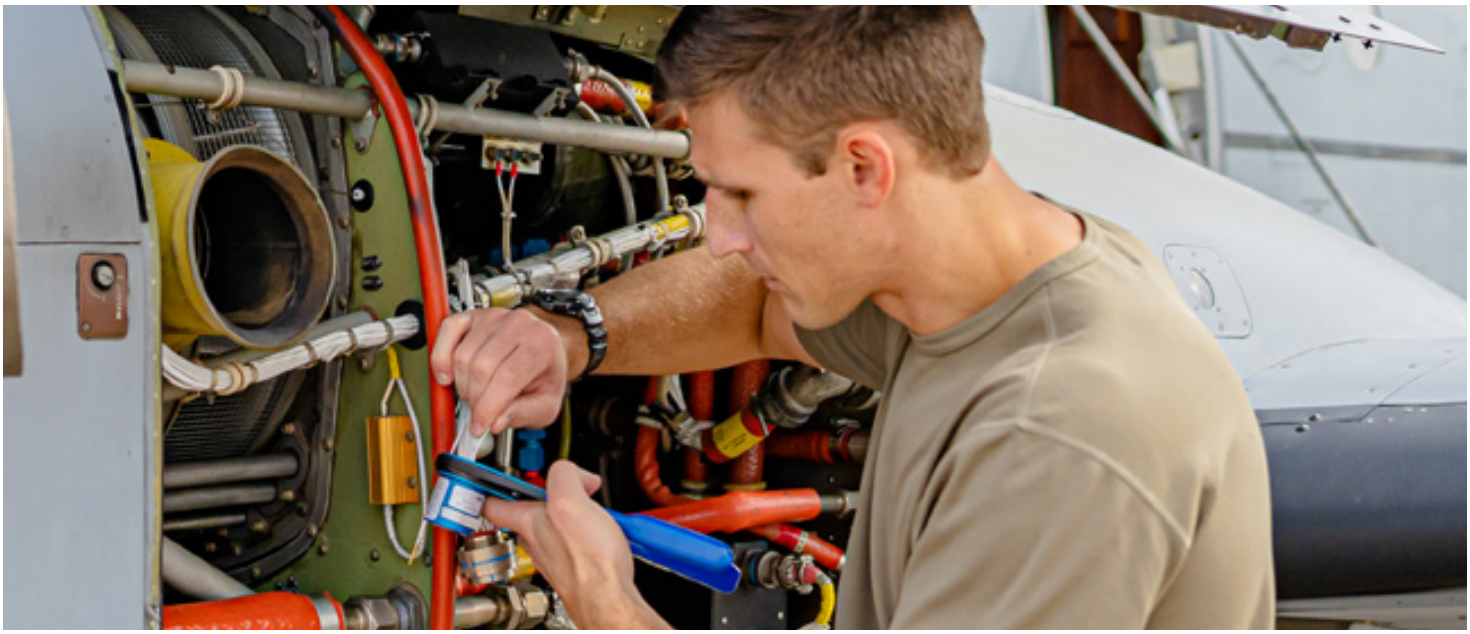
DMC5001

1	AF8 Crimp Tool
17	All M22520/1 Turrets (/1-02 thru -18)
1	Hex Wrench
1	Inspection Gage

DMC7

MIL P/N: *MIL-DTL-83507/11-01*
NSN: *5180-00-921-5771*

1	AF8 Crimp Tool
2	M22520/1 Turret Heads (/1-02 thru -03)
1	Hex Wrench
1	Inspection Gage



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AF8 RELATED PRODUCT LIST

Required accessories for proper usage of the AF8

MILITARY QUALIFIED TOOL AND GAGE			
MILITARY P/N	DMC P/N	NSN	
M22520/1-01	AF8	5120-01-335-8571 5120-00-165-3912	★
M22520/3-1	G125	5220-00-090-6722 5220-01-016-6002 5220-01-329-0162	★

MILITARY QUALIFIED POSITIONERS			
MILITARY P/N	DMC P/N	NSN	
M22520/1-02	TH1A	5120-00-016-6382	★
M22520/1-03	TH4	5120-00-016-6554	★
M22520/1-04	TH163	5120-00-016-7582	★
M22520/1-05	UH2-5	5120-01-335-8583	★
M22520/1-06	TP45	5120-00-016-7647	★
M22520/1-07	TP85	5120-01-335-8585	★
M22520/1-08	TH199S	5120-00-016-7654	★
M22520/1-09	TP360	5120-00-132-5039	★
M22520/1-10	TP365	5120-00-132-5095	★
M22520/1-11	TP465	5120-01-127-5231	★
M22520/1-12	TH270	5120-01-036-9220	★
M22520/1-13	TH285	5120-01-036-9221	★
M22520/1-14	TH286	5120-01-036-9222	★
M22520/1-15	TP485	5120-01-036-9223	★
M22520/1-16	TP513	4920-01-504-2371	★
M22520/1-17	TP651	5120-01-335-8591	★
M22520/1-18	TH343-1	5120-01-361-9705	★

More options are available. Consult DMC for a full list of tooling.

★ *Approved on QPL*

AF8 TURRETS

Typical Multi-Position Turret Head (TH)

Single Position Head (TP)

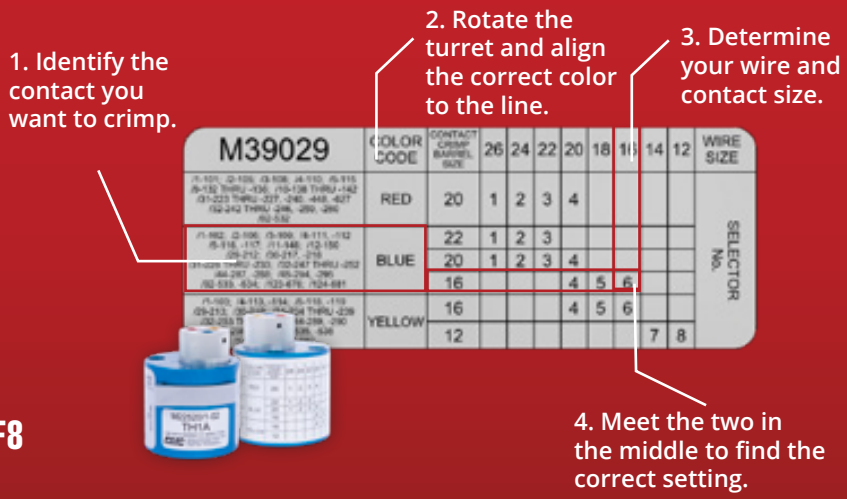
UH2-5 Universal Adjustable Positioner

This adjustable positioner is well suited for lab work and prototype applications.

DMC TIPS

HOW TO READ A TURRET

Technicians must take into consideration contact type and wire size when crimping contacts in order to determine the correct selector setting. Smaller selector settings create a tighter crimp. DMC has included a dataplate on each turret head and turret positioner in order to address this. These dataplates let operators know the correct selector setting to choose based on the contact and wire used.

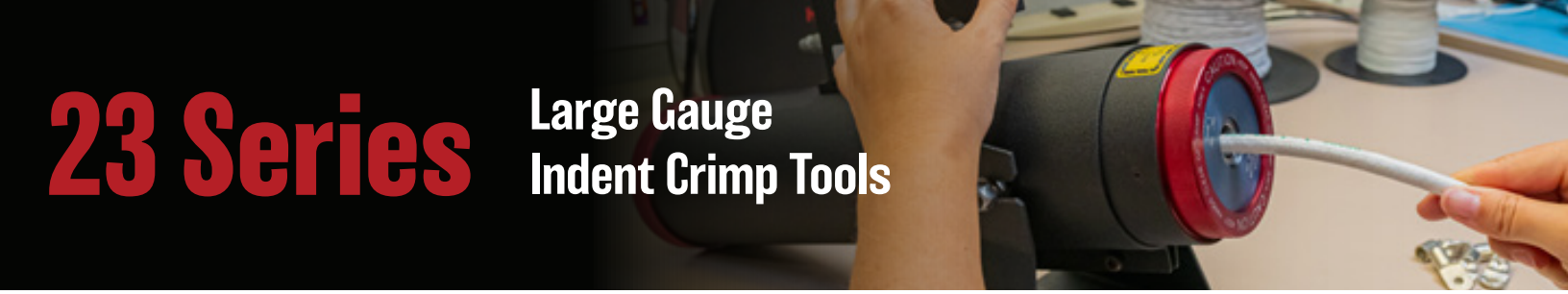


LEARN MORE ABOUT USING THE AF8

qrco.de/ReadingAPositioner

23 Series

Large Gauge Indent Crimp Tools



The 23 series tools are indent crimp tools designed to produce indent crimps on large gauge machined contacts and uninsulated terminals commonly seen in high voltage applications. Several 23 series dies and locators are qualified to the AS22520/23. All accessories are interchangeable between power types. Go/no-go gages are available for verification.

CRIMP STYLE

WA23B®

Length x Width x Height	15.2" x 7.3" x 9.8"
Weight	16.3 lbs

Operates on 100–120 psi (6.89–8.27 BAR) filtered and regulated air pressure.

8 to 4/0 AWG

Pneumatic

MIL M22520/23-01

QPL Approved

FEATURES

- Full cycle crimp in 1.4 seconds
- Equipped with a dedicated gaging state
- Lighter and more compact than the WA23 and Pico models
- Single pneumatic power supply

WA23®

Length x Width x Height	17” x 3.7” x 10”
Weight	20.1 lbs (without hose)

Operates on standard 90–125 psi (5.4–8.16 BAR) shop air pressure.

8 to 4/0 AWG

Pneumatic

MIL M22520/23-01

QPL Approved

FEATURES

- Easy to operate and highly versatile
- Full cycle crimp tool ensures a complete crimp
- Needs no extra booster for larger contacts
- No external electricity required

HD23

Length x Width x Height	23” x 4” x 5.8”
Weight	13.8 lbs

Includes a carrying case.

8 to 4/0 AWG

Manual Hydraulic

MIL M22520/48-01

QPL Pending

FEATURES

- Portable and durable heavy duty crimp tool
- Ideal for aircraft maintainers and on-wing applications
- Two stage pump facilitates faster crimping

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HDE23C

8 to 4/0 AWG

Battery Hydraulic

FEATURES

Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app

Portable and durable heavy duty crimp tool

SCAN FOR NEW TOOL FEATURES
qrco.de/BatteryToolsApp

Length x Width x Height	17.9" x 4" x 13.3"
Weight	13.3 lbs

Includes a carrying case, two Lithium-ion 18V batteries, one 120 VAC charger, and one shoulder strap. The HDE23C-230 is available for international use.

23 SERIES KITS

Save time, reduce costs, and ensure the longevity of your tools

DMC1550

1	WA23 Crimp Tool
7	M22520/23 Die Assemblies (/23-02 thru -08)
8	M22520/23 Locators (/23-09 thru -16)

The DMC1550B contains the WA23B as a compact alternative to the WA23.

DMC2265

1	HD23 Crimp Tool
7	M22520/23 Die Assemblies (/23-02 thru -08)
8	M22520/23 Locators (/23-09 thru -16)
7	Gages

DMC1663 Series

	DMC1663	DMC1663A	DMC1663B
Tool	WA23	WA23	WA23B
M22520/23 Die Assemblies	7 dies: /23-02 thru /23-08	7 dies: /23-02 thru /23-08	7 dies: /23-02 thru /23-08
M22520/23 Locators	8 locators: /23-09 thru /23-16	8 locators: /23-09 thru /23-16	8 locators: /23-09 thru /23-16
Gages	Not included	7 gages included	Not included

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23 SERIES RELATED PRODUCT LIST

M22520/23 MILITARY QUALIFIED PRODUCT LIST

ITEM	MILITARY PART NUMBER	DMC P/N	GAGE	
			MILITARY PART NUMBER	DMC PART NUMBER
Die 8	M22520/23-02	WA23-2	M22520/3-18	G693**
Die 6	M22520/23-03	WA23-3	M22520/3-19	G694**
Die 4	M22520/23-04	WA23-4	M22520/3-20	G695**
Die 1/0	M22520/23-05	WA23-5	M22520/3-21	G696**
Die 2/0	M22520/23-06	WA23-6	M22520/3-22	G697**
Die 4/0	M22520/23-07	WA23-7	M22520/3-23	G698**
Die 1	M22520/23-08	WA23-8	M22520/3-24	G1299**
Locator 8	M22520/23-09	WA23-9	N/A	N/A
Locator 6	M22520/23-10	WA23-10	N/A	N/A
Locator 4	M22520/23-11	WA23-11	N/A	N/A
Locator 4, 4N*, 4G*	M22520/23-12	WA23-12	N/A	N/A
Locator 1/0	M22520/23-13	WA23-13	N/A	N/A
Locator 1/0, 1/0N*, 1	M22520/23-14	WA23-14	N/A	N/A
Locator 2/0, 2/0N*	M22520/23-15	WA23-15	N/A	N/A
Locator 4/0, 4/0N*	M22520/23-16	WA23-16	N/A	N/A

More options are available. Consult DMC for a full list of tooling. DMC can also design custom dies and positioners when requested.

**N indicates neutral pin. G indicates grounding pin.*
***QPL Pending*

CONTACT APPLICATION CROSS-REFERENCE

CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	WIRE BARREL SIZE	DIE	LOCATOR
SAE-AS50151 REAR RELEASE 3450 SERIES				
M39029/29-214	P	8	WA23-2	WA23-9
M39029/29-215	P	4	WA23-4	WA23-11
M39029/29-216	P	0	WA23-5	WA23-13
M39029/30-220	S	8	WA23-2	WA23-9
M39029/30-221	S	4	WA23-4	WA23-11
M39029/30-222	S	0	WA23-5	WA23-13
SAE-AS50151 FRONT RELEASE 3400 SERIES				
M39029/44-291	P	8	WA23-2	WA23-9
M39029/44-292	P	4	WA23-4	WA23-11
M39029/44-293	P	0	WA23-5	WA23-13
M39029/45-298	S	8	WA23-2	WA23-9
M39029/45-299	S	4	WA23-4	WA23-11
M39029/45-300	S	0	WA23-5	WA23-13
MIL-DTL-22992 CLASS L HEAVY-DUTY CYLINDRICAL CONNECTOR				
M39029/48-317	P	6	WA23-3	WA23-10
M39029/48-318	P	6	WA23-3	WA23-10
M39029/48-319	P	6	WA23-3	WA23-10
M39029/48-320	P	4	WA23-4	WA23-12
M39029/48-321	P	4	WA23-4	WA23-12
M39029/48-322	P	4	WA23-4	WA23-12
M39029/48-323	P	1	WA23-8	WA23-14
M39029/48-324	P	1	WA23-8	WA23-14
M39029/48-325	P	2/0	WA23-6	WA23-15
M39029/48-326	P	2/0	WA23-6	WA23-15
M39029/48-327	P	4/0	WA23-7	WA23-16
M39029/48-328	P	4/0	WA23-7	WA23-16
M39029/49-329	S	6	WA23-3	WA23-10
M39029/49-330	S	6	WA23-3	WA23-10
M39029/49-331	S	4	WA23-4	WA23-12
M39029/49-332	S	4	WA23-4	WA23-12
M39029/49-333	S	1	WA23-8	WA23-14
M39029/49-334	S	2/0	WA23-6	WA23-15
M39029/49-335	S	4/0	WA23-7	WA23-16

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PICO TO DMC CROSS-REFERENCE

DMC provides dies and locators that work with the 23 series tools and are also compatible with the Pico* 400 pneumatic crimp tool. Pico 400 dies and locators may also be used on DMC 23 series tooling. The following tables are cross-references for Pico to DMC part numbers. **It is important to note that only mil-spec dies and locators can be used for military applications**. Pico's 400 pneumatic crimp tool and accessories are not mil-spec approved and therefore only appropriate for general usage.

DIES

PICO DIES	DMC DIES
414DA-I/0N 414DA-0N	WA23-5 (M22520/23-05)
414DA-10N	WA23-101DA
414DA-2 IT	WA23-184DA
414DA-2 NIT	WA23-198DA
414DA-2/0N	WA23-6 (M22520/23-06)
414DA-4N	WA23-4 (M22520/23-04)
414DA-4/0N-1	WA23-7 (M22520/23-07)
414DA-6 IT	WA23-130DA
414DA-6N	WA23-3 (M22520/23-03)
414DA-8N	WA23-2 (M22520/23-02)
414DA-12-10 IT	WA23-154DA (12 Gage) WA23-152DA (10 Gage)
414DA-12N	WA23-168DA
414DA-16N	WA23-170DA
414DA-16N-048	WA23-226DA
414DA-0 IT	WA23-118DA
414DA-1/0 NIT	WA23-199DA
414DA-2/0 NIT	WA23-159DA
414DA-4 NIT	WA23-157DA
414DA-4HEX	WA23-183DA
414DA-4IT	WA23-138DA
414DA-6 NIT	WA23-197DA
414DA-8 IT	WA23-140DA

LOCATORS

PICO LOCATOR	DMC LOCATOR
4001	WA23-291L
4025 4026	WA23-161L
4042	WA23-148L
4043	WA23-163L
4046A	WA23-9 (M22520/23-09)
4046A	WA23-223L-BX
4060 ITT Cannon CCHP8	WA23-119L
4066	WA23-13 (M22520/23-13)
4070	WA23-190L
4112	WA23-11 (M22520/23-11)
4112	WA23-224L-BX
4116	WA23-171L
4117	WA23-116L
4150	WA23-187L
4231	WA23-162L
4233	WA23-123L
4234	WA23-122L
4297-1	WA23-16 (M22520/23-16)
4297-2	WA23-15 (M22520/23-15)
4297-3	WA23-14 (M22520/23-14)
4297-5	WA23-12 (M22520/23-12)
4297-6	WA23-10 (M22520/23-10)
4301-16S	WA23-225L
4329	WA23-147L
4536	WA23-102L
5002	WA23-153L
5007-1	WA23-185L

**Pico is a trade name for The Pico Corporation.*

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136 Series

Dieless 4-Indent Crimp Tools

The 136 series is a collection of dieless crimp tools that are suitable for crimping large gauge terminals and splices. These tools are designed to produce a crimp on contacts and terminals up to 750 MCM on both aluminum and copper materials. All 136 series tools are equipped with a 360° rotating head that enhances maneuverability.

CRIMP STYLE

HCE136C

8 AWG to 750 MCM

Battery Hydraulic

FEATURES

- Portable and powerful
- Automatic indenter retraction system
- Prevents over-compression with automatic pressure relief system
- Tool tracks performance, users, and crimp data
- Crimp data is viewable on the LED display or on an app via Bluetooth® connectivity

Length	15.5”
Width	3”
Height	13.5”
Weight	11.6 lbs

Includes a carrying case, two Lithium-ion 18V batteries, and one 120 VAC charger. The HCE136C-230 is available for international use.

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HC136

8 AWG to 750 MCM

Manual Hydraulic

Length	21”
Width	2.3”
Height	5.4”
Weight	13 lbs

Packaged in a carrying case for convenient storage and enhanced portability.

FEATURES

Two stage pump facilitates faster crimping

Equipped with an automatic relief valve to prevent over-compression

XHC136

XHC136C

Length	13.3”
Width	2.5”
Height	5.4”
Weight	8.5 lbs

Compatible with battery-powered (HPU13M), air-over-hydraulic (HPU11M), and manual-powered (HPU12M and HPU15M) pumps.

Find the hydraulic pump accessories on page 132.

8 AWG to 750 MCM

Remote Hydraulic

FEATURES

Purpose-built for bench-mounted applications

Seamlessly operates with various DMC pumps to ensure flexibility in your work environment

C-style head provides enhanced convenience for effortless insertion and removal of wires

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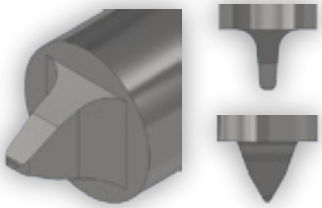
SPECIALTY INDENT CRIMP TOOLS

DMC stands at the forefront of technological innovation and offers tailored solutions to meet our customers' specific needs. Our seasoned team of engineers and technicians possess the expertise to address even the most intricate requirements and are dedicated to fulfilling your needs while delivering tooling that consistently achieves reliable results. Within our expansive state-of-the-art facility, we harness the power of Swiss lathes, CNC mills, turret lathes, and EDM machines.

DMC's specialty indent tools distinguish themselves from our traditional crimp tools by the materials used and unique indenter styles. These tools are crafted from a selection of materials, including steel, specialty steel, stainless steel, and carbide. Each material boasts distinct advantages, such as increased strength, resistance to corrosion, and extended durability. DMC specialty indent crimp tools can crimp everything from aluminum wire used in high voltage applications to nitinol ferrules used in medical devices. This versatility makes our specialty tools suitable for a range of applications, including intricate medical devices, rugged marine equipment, and robust rail systems.

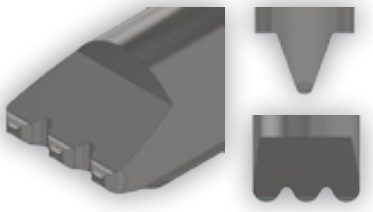
Indenter Styles

1. Precision



DMC manufactures ultra-precision and fine tipped indenters for specialty applications. Tools with ultra-precision indenters have tighter gaging tolerances when compared to traditional crimp tools such as the AF8. These tools are commonly used in medical applications. Fine tipped crimp tools in comparison have sharper indenter tips measuring .007 inches. Both types of specialty tools are built on a small tool frame and utilize K positioners.

2. Multi-Tipped



Multi-tipped crimp tools are equipped with multiple tips on each indenter. This enables them to generate 8 to 16 indentations with a single crimping action. These extra contact points significantly enhance the performance of the connection. Additionally, multi-level configurations offer the unique capability of simultaneously crimping both conductor and insulation barrels on specific contacts. They are ideal for high strength copper alloy terminations.

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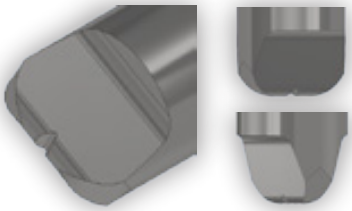
Luz B.
Machinist
Employee Since 2007

3. Circular

DMC manufactures a range of circular indent crimp tools used primarily for outer shield terminations of the contacts. Other varieties have been designed to simultaneously terminate shield crimp sleeves and the outer body on certain shielded contacts. These tools can crimp a circle from 0.040” to 0.262”.

4. Bias



DMC’s bias crimp tools have a 4-indent pattern offset at 45° to produce spiral patterns around the wire barrel. This indent pattern is typically used with seamed or formed barrel contacts. They are perfect for holding springs or spring-like devices to a solid rod.

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Circular Indent

Specialty Crimp Tools

MH800 series tools feature four opposing indenters and four retainers. These retainers encompass the contact prior to the crimping operation to ensure concentricity. This concentricity produces higher tensile results when compared to traditional circular style crimps. For more information on the pneumatic versions of these tools, please contact DMC.

CRIMP STYLE

MH800 SERIES

Commercial Circular Indent Tooling

MH800

32 to 20 AWG

G100 Go/No-Go Gage

NSN: *5120-01-376-9806, 5120-00-006-9967*

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

MANUFACTURER	PURPOSE	POSITIONER
DEUTSCH	2202-16-0101 PIN 2203-8-0101 PIN STK	K4
	2202-17-0101 SOC 2203-9-0101 SOC STK	K5
TE/DEUTSCH	COAX	K30C
RSM-DEUTSCH	2841-5-++00 2803-4-++00 100060-++TJ 2841-13-++00 2803-10-++00	K127

MH801

Outer Contact Size 16

G257 or G256 Go/No-Go Gage

NSN: *5120-01-335-8578, 5120-00-124-3490*

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

MILITARY QUALIFIED GAGE	
MILITARY PART NUMBER	DMC PART NUMBER
M22520/3-4	G256
M22520/3-5	G257

MILITARY QUALIFIED POSITIONERS			
PURPOSE	MILITARY P/N	DMC P/N	NSN
M39029/19 PIN	M22520/19-02	D16P-1M	5120-00-124-3351
M39029/21 SOC	M22520/19-03	D16S-1M	5120-00-124-3341
M39029/20 SOC	M22520/19-04	D16LS-1M	5120-01-335-8644

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MH802

Outer Contact Size 16

G258 Go/No-Go Gage

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

MILITARY QUALIFIED GAGE	
MILITARY PART NUMBER	**DMC PART NUMBER**
M22520/3-6	G258

MILITARY QUALIFIED POSITIONERS			
PURPOSE	**MILITARY P/N**	**DMC P/N**	**NSN**
GGGM39029/19 PIN	M22520/20-02	D16/1-1M	5120-00-124-3147
M39029/20 SOC, 21 SOC	M22520/20-03	D16/2-1M	5120-00-124-3142

MH803

Outer Contact Size 12

G259 Go/No-Go Gage

NSN: *5120-01-335-8580, 5120-00-124-3484*

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

MILITARY QUALIFIED GAGE	
MILITARY PART NUMBER	**DMC PART NUMBER**
M22520/3-7	G259

MILITARY QUALIFIED POSITIONERS			
PURPOSE	**MILITARY P/N**	**DMC P/N**	**NSN**
M39029/19 PIN	M22520/21-02	D12P-1M	5120-00-124-3381
M39029/21 SOC	M22520/21-03	D12S-1M	N/A
M39029/20 SOC	M22520/21-04	D12LS-1M	5120-00-124-3422

MH804

Outer Contact Size 12

G260 Go/No-Go Gage

NSN: *5120-00-124-3487*

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

MILITARY QUALIFIED GAGE	
MILITARY PART NUMBER	**DMC PART NUMBER**
M22520/3-8	G260

MILITARY QUALIFIED POSITIONERS			
PURPOSE	**MILITARY P/N**	**DMC P/N**	**NSN**
M39029/19 PIN, /21 SOC	M22520/22-02	D12/1-1M	5120-01-335-8650
M39029/20 SOC	M22520/22-03	D12/2-1M	5120-00-124-3458

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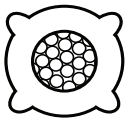
GS SERIES

Mil-Qualified Circular Indent Tooling

The GS100-1 and GS200-1 mil-spec crimp tools are designed to produce circular crimps on the outer shield crimp sleeve of contacts used with MIL-DTL-38999 series 1, 2, 3, and 4 connectors. Circular crimps are better at maintaining the shape of contacts which allows contacts to fit in tightly designed connectors.

CRIMP STYLE



GS100-1

- Outer Contact Size 16
- MIL M22520/4-01
- G120 Go/No-Go Gage
- QPL Approved

NSN: *5120-01-335-8576, 5120-00-017-4017*

Dimensions (L X W X H)	9.8" x 2.5" x 1.3"
Weight	1.1 lbs

WA27T

Dimensions (L X W X H)	10" x 3" x 3"
Weight	3.1 lbs

Pneumatic

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	21-33655-5	GP1256
BENDIX	21-33903-561 INTERMEDIATE FERRULE LJT-R/JT-R SIZE 10	GP781
GLENAIR	852-107-01 AND 852-108-01	GP1758
RADIALL	EPX 617130, 617131, 617132, 617030, 617031, 617032	GP926
SOURIAU	RMDXK-10D28 AND RCDXK-1D28	GP1700
TE	P71-2979 , P71-2980	GP475
TRI-STAR	317-16CX-091	GP1596
VARIOUS	M39029/76-424 THRU -427 M39029/77-428 THRU -431 M39029/78-432 THRU -435 M17/119-RG174, /113-RG316, /094-RG179 AND /093-RG178 OUTER PIN AND SOCKET.	GP295 (M22520/4-02 NSN: 5120-00-017-4142)

GS200-1

- Outer Contact Size 12
- MIL M22520/31-01
- G443 Go/No-Go Gage
- QPL Approved

NSN: *5120-01-231-5721, 5120-01-335-8577*

Dimensions (L X W X H)	9.8" x 2.5" x 1.3"
Weight	1.1 lbs

WA27R

Dimensions (L X W X H)	10" x 3" x 3"
Weight	3.1 lbs

Pneumatic

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	21-33908-01, -33909-1 TRIAX OUTER CONTACTS	GP959
BENDIX	#12 BENDIX COAX M39029/27 SOC, /28 PIN, /75 SOC	G2P330 (M22520/31-02 NSN: 5120-01-416-4799)
GLENAIR	852-086-02 AND 852-087-02	G2P1743
SABRITEC	SL-19	TP1363
SMITHS INTERCONNECT	S018612-8000 AND S018712-8000	G2P1841

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CRIMP STYLE

The GS200 series commercial crimp tools have indenters that can create a circular crimp. These tools are ideal for coax ferrules.

GS209

G446 Go/No-Go Gage

NSN: *5120-01-367-8431*

Dimensions (L X W X H)	9.8" x 2.3" x 1"
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	INTERMEDIATE CONTACT 21-33197-10, 21-331910-8	TH551

GS212

Outer Shield Termination 0.080-0.084 inches

G732 Go/No-Go Gage

NSN: *5120-01-513-6769*

Dimensions (L X W X H)	9.8" x 2.3" x 1"
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	21-33908-3 ASS'Y	GP1120
	21-33909-3 ASS'Y	GP1121
	21-33754-2	GP1243
	21-33908-25 AND 21-33909-25	GP1613
	INTERMEDIATE CONTACTS L-38151-897, L-38151-907	TH553
DEUTSCH	533433-4	GP1015
SABRITEC	SL-10	TP1359
	SL-12	TP1360
	SL-14	TP1361
	SL-16	TP1369

GS218

G443 Go/No-Go Gage

Dimensions (L X W X H)	9.8" x 2.3" x 1"
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	10-589514-126 NZGC-X50-12PB-5 NZGC-X50-12SB-5 NZGC-X75-12PB-6 NZGC-X75-12SB-6	G2P330-1 (AFFIXED TO TOOL)

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GS222

Outer Shield Termination 0.096-0.100 inches

G120 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.3” x 1”
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
POSITRONIC	MC112NS, FC112N2S, FC112N2S-1565.0	TP1366

GS223

Outer Shield Termination 0.124-0.128 inches

G917 or G197 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.3” x 1”
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
POSITRONIC	FC610N2S AND MC610NS	TP1386
	SK4195 AND SK4196	TP1458

GS225

Outer Shield Termination 0.086-0.090 inches

G919 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.3” x 1”
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	21-33908-29 21-33909-29	GP1611

GS227

G1077 or G1057 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
DEUTSCH CONTACT	59155-000-SOCKET, 59155-000-PIN	TP1575

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Four Indent

Specialty Crimp Tools

CRIMP STYLE

39-000

Mil-Qualified Four Indent Tooling

The 39-000 is a QPL approved specialty crimp tool that meets the necessary requirements to properly fulfill shipboard applications for the US Navy. It accommodates MIL-DTL-28840 connectors and is suitable for jacketed cable.

39-000

- 30 to 20 AWG
- MIL M22520/34-01
- G345 Go/No-Go Gage
- QPL Approved

NSN: *5120-01-242-3516, 5120-01-335-8574*

Dimensions (L X W X H)	7.5" x 2.4" x 0.8"
Weight	10 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
VARIOUS	M39029/83-450, -451, -508 M39029/84-452, -453, -509	39-102 (M22520/34-02)

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M300 SERIES

Commercial Four Indent Tooling

The M300 series tools have the same purpose and crimp result as the AF8. These tools fulfill the need to crimp larger contact sizes common in the rail industry that are used for power and high voltage applications.

M300BT

14 to 6 AWG

G394 Go/No-Go Gage

NSN: *5120-01-359-6037*

Dimensions (L X W X H)	9.8” x 2.5” x 1.3”
Weight	15 oz

WA27-300BT-EP

Pneumatic

Dimensions (L X W X H)	15" x 2.8" x 2.8"
Weight	7.4 lbs

Supplied with a nine foot hose, foot pedal, and bench mount.

MFR.	CONTACT PART NUMBER	POSITIONER
AIR LB	001104-620 AND 001104-630	TP986
AMPHENOL	17-766-02	TP982
	ePOWER LITE PINS	TP1876
	SOCAPEX 17DM53745-201, 17DM53744-201	TP1111
	SOCAPEX 900198-91	TP1188
BG SERVICE	22344-ASS'Y	TP1033
BURNDY	3401040	TH558
	RC14PIEOPI-RC12P1EOPI, RC10P1EOPI	SP587
	82911679N	TP1169
	360J2224B7	TP1404
C.K.B.	0371-0004AS0 0371-0003AS0	TP978
	S24923-000A3	TP1193
	S24924-000 A3	TP1194
CORY	CMP004-103, FCT FMP004-13	TP1378
CROUSE HINDS	314263-110 PIN	TP1031
	314262-110 SOC.	TP1032
	A600568 MINI-CHANGE, STYLE III 600565	TP1054
	A600568 STYLE MINI-LINE, 600566 GRN PIN	TP1055
	P1315209-270, -260, -250, -240, -230	TP1060
	P314262-150, -140, -130, -120	TP1062
	P1315366-130, -120, -110	TP1064
DEUTSCH	047 1325 08, 047 1326 08	SP604
	1841-5-5608, 18-007-08-9056	SP708
ELCON	702-31-01107	TP929
FRB CONNECTRON	0350-24	TP908
	80-0200, 0200-47	TP910
GAUTHIER	G7500-P10-A0	TP1401
HARTING	09030006214, 09030006215	TP1059
HYPERTRONICS	YSK035-058GT	TP1114

MFR.	CONTACT PART NUMBER	POSITIONER
INTER CONNEXION	CB-148-8-P, CD132-8-S	TP894
ITT CANNON	020436Y0000, 020437Y0000 SIZE 12	TH551
	020434Y0000, 0204357Y0000 SIZE 8 AND 12	TP968
	CDR897-0003, CDR897-0006	TP826
	CDR897-0004, CDR897-0007	TP827
	031-0909-000, 031-0908-000	TP870
JUPITER	M-8-MS, K-8-MS OCETA	TP905
LIVINGSTON	51469-1 OCETA	TP927
RADIALL	616366	TP1159
	282 551	TP823
REF. FISCHER	WIRE AND PLASTIC	TP1240
SIEMENS INDUSTRIAL AUTOMATION	6FX2003-5AA00 (CONDUCTOR) 6FX2003-5AB00 (INSULATION)	TH579
	6FX2003-5AC00 (16 AND 12 CONDUCTOR, INSULATION)	TH580
	6FX2003-5AD00 (CONDUCTOR, INSULATION)	TH581
	6FX2003-5AC00 (10 AND 8 CONDUCTOR, INSULATION)	TH632
	6FX2003-4AB00 (CONDUCTOR, INSULATION)	TH640
	6FX2003-4AC00 (16 AND 12 CONDUCTOR, INSULATION)	TH641
SOCAPEX	SOURIAU 8400 TOOL	SP593
SOURIAU	8902-210, 8902-225	TP1318
	8476-28, 57888, 62622	TP714
	8819-118, 8819-119	TP916
	8819-176, -177	TP936
TYCO	213552-2, 211161-1	SP858
	212007, 212008, 211159 , 211161	TP1151
WIELAND	Z2 124 9521 0	TP1222

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M300-25A

18 to 10 AWG

C115-1 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	1.3 lbs

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL PYLE NATIONAL	TP-201411-16-18 SIZE 16 (PIN AND SOCKET) SIZE 18 (PIN AND SOCKET)	TP682-1
	TP-201411-12P SIZE 12 (PIN)	TP683-1
	TP-201411-10-12P SIZE 10 (PIN AND SOCKET) SIZE 12 (SOCKET)	TP684-1

WA27-300-25A

Pneumatic

Dimensions (L X W X H)	10” x 3” x 3”
Weight	3.1 lbs

Supplied with a nine foot hose.

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M309

18 to 8 AWG

G436 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	15 oz

WA27-309-2C

Pneumatic

Dimensions (L X W X H)	11.24” x 3” x 3”
Weight	16 lbs

Supplied with a nine foot hose, foot pedal, and bench mount.

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
BURNDY	JVSP00080B JVSS00080B	TP1266
	BOSTON SCIENTIFIC Corporation BURNDY CONNECTOR	TP1156
CONEC	610FET1A	TP1264
	610FET2A	TP1265
CONMED	20063	TP1138
CROUSE HINDS	P1315209-210	TP1061
	P314262-110	TP1063
	1463105-110, -120, 1463106-110, -120	TP1067
	600221	TP1087
FCT	FMP002P-, 002P-A, ETC.	TP1071
	FMP002 AND -, 002S-A, ETC.	TP1072
	FMP01-, FMP043S	TP1073
	FMP018S -, FMP043S	TP1074
	FMP018P -, 043P	TP1075
GEOSERVICES	4805-136	TP1317
GM	POWERTRAIN SOCKET CONTACT	TP1244
HARTING	9030006213	TP1058
HYPERTRONICS	YPN025-002G YSK025-003AH YPN025-003G YSK025-004AH	TP1179
	YSK025-031 YPN025-024	TP1284
NABSON	62095	TP1141
ODU	345 24 2315 401	TP1152
POSITRONIC	*C4008D, *C4012D, *C4016D	TP1116
RETCONN	22-1013 AND 22-1036	TP1320
SODERBER	DS0009B	TP1164
SOURIAU	8291-1682, 8-1683N	TP1132
T AND B	222-14-148 OR HARTING 0903006215	TP1123
TYCO	193796-1, 193797-1, 193841-1, 19382-1	TP1094
	2-194035-2, -4, -5, -7, -8, AND 3-19035-1, -0, -3	TP1124
	194032-5, -7	TP1125
	212007-1 / 212008-1	TP1214
	194245	TP1221
	212013-1 AND 212014-1	TP1224
	194189	TP1235
	193846-1	TP1247
WIELAND	Z2.124.9521.0	TP1296
MULTI-CONTACT	32-0100 AND 32-0500	TP1150

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M310

16 to 8 AWG

G795 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	15 oz

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
ARRAY	806-0598-000 857-0590-130	TP1040
	806-0599-00A, -00B 857-0591-130/A, -130/B	TP1041
	806-0599-000 857-0591-130	TP1042
CONNEI	1660016601	TP999
FRB	0250-B-17G, -20G, 18-0250G, 20-0250G	TP890
	13-0350G, 0350-B13G, 0350G, 0350-B-12G	TP891
	0300-20, 0300-24	TP965
	29-0300	TP814
	34-0300, 0300-12, 0300-17	TP802
	0200-03, 0200-29, 0200-36 SOCKET	TP806
	31-0200, 58-0200, 64-0200 PIN	TP807
HYPERTAC	HST154 PIN, HST153 SOCKET	TP902
HYPERTRONICS	YPN006-124H	TP1162
	YPN035-005, -006, -007, YSK035-009, -010, -011	TP1232
	YPN015-031, YSK015-041	TP792
	YSK025-011 + -02, YPN025-009 + -010	TP793
	YSK035-02G, ETC.	TP935
	YSK035-048	TP942
JUPITER CONTACTS	BM-2611-5038ST-BF-201-150ST	TP813
SMIT SLIKKERVEER	#F-187306, #F-187307	TP880
TYCO	193796-1 193797-1 193841-1 193842-1	TP1013
	193837-1	TP1019
	193837-2, -3	TP1020
	193673-1	TP1021
	193673-2, -3	TP1022
	TYCO 193990 AND 193991 TYPE XII (“S” REMOVED PER AMP)	TP1068
	TYCO 193991-1 AND -3 (“S” REMOVED PER AMP)	TP1088
	193534, 193535 193642, 193643 193457-1, 193458-1	TP944
US AIR	F18008-08-9056	TP1008
POSITRONICS	MC4008D, FC4008D MC4012D, FC4012D MC4016D, FC4016D	TP974

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M317

Harsh Environment Contacts

G436 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	15 oz

MFR.	CONTACT PART NUMBER	POSITIONER
AMPHENOL SOCAPEX	17DM53744-201, -206, -207, 17DM53745-201, -207, -208	TP1131
BURNDY	J383S1K-0006A01, J383P1K-0006A01	TP1052
CKB	0572-1016A4A	TP971
	CC1000C0M006, CC1000C0F006	TP1002
	SE0801-109 AND SE0801-108	TP1023
	S24296-000B3 AND S24263-000B3	TP1024
	S24265-000A3	TP1035
	S24298-000A3	TP1036
	SE1239-007 (P), SE0692-130 (S)	TP1065
	669-65 AND 669-67	TP1080
	SOCKET CONTACT	TP1338
	PIN CONTACT	TP1339
FCF	10A-8638PPC100X, 10A-8638PSC100X, 20A-8638PPC200X, 20A-8638PSC200X, 40A-8638PPC400X, 40A-8638PSC400X	TP1161
FRB	CONNECTRON 0200-47/80-0200	TP1163
	CONTACTS 0350B11, -B12, -B13, 11-0350, 12-0350, 13-0350	TP805
	CONNECTRON 0200-42, 73-0200	TP909
	CONNECTRON 0300-21, 0300-17, 34-0300, 0300-23, 39-0300	TP911
	CONNECTRON 38 0300	TP912
HARTING	0932 000 6107, 6207, 6108, 6208	TP957
SOURIAU	8819-176, -177	TP1044
	8819-118, 8819-119	TP1045

M320

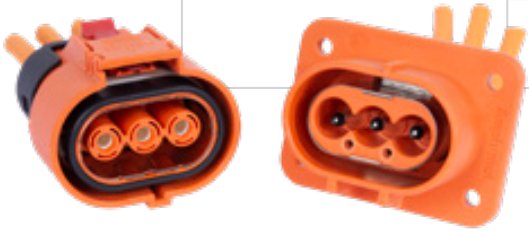
G436 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.6” x 1”
Weight	15 oz

FEATURES

Crimps both the conductor and the insulation

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	EPOWER LITE PINS	TP1876
SIEMENS INDUSTRIAL AUTOMATION	6FX2003-5AA00 (CONDUCTOR) SIEMENS INDUSTRIAL AUTOMATION 6FX2003-5AB00 (INSULATION)	TH579-1
	6FX2003-5AC00 (12 AND 16 CONDUCTOR, INSULATION)	TH580-1
	6FX2003-5AD00 (CONDUCTOR, INSULATION)	TH581-1



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CRIMP STYLE

The following tools were designed to fulfill precise crimping requirements beyond the capabilities of conventional crimp tools. Their unique capabilities make them popular products for crimping coax, triax, quadrax, and stranded wire. Consult DMC for more information on commercial four indent specialty tools.

LH8

24 to 12 AWG

G687 or G743 Go/No-Go Gage

NSN: *5120-01-462-8213*

Dimensions (L X W X H)	9.8" x 2.6" x 1"
Weight	1.1 lbs

WA27LH

Pneumatic

Dimensions (L X W X H)	12" x 3" x 3"
Weight	4.7 lbs

Supplied with a nine foot hose.

FEATURES

Multi-level indenters produce both conductor and insulation crimps simultaneously

G687 gage is for conductor application while the G743 is for insulation

Comes with a dedicated turret head positioner (LH281)

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
BURNDY	YHMM22 YHMM20 YHMM18 YHMM16 YHMME12	LH281

Comparable to the Burndy M10S-1

MH999

32 to 20 AWG

G822 Go/No-Go Gage

Dimensions (L X W X H)	7.5" x 2" x 0.8"
Weight	10 oz

Find pneumatic accessories on page 131.

FEATURES

Precisely crimps small center contacts on cables such as triax and quadrax

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
AMPHENOL	10-722950-022	K1956
AMPHENOL SOCAPEX	172-612321-9X 172-612326-9X	K2126
HARWIN	G125-00100XX G125-10100XX G125-00200XX G125-10200XX	K1860SE
MILL-MAX	CUSTOM PIN USE	K2070
RADIALL	R113.082.000	K1998

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MH835

36 to 20 AWG

G619 Go/No-Go Gage

Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

FEATURES

Fine-tipped indenters for micro contacts

Produces a 4-indent crimp

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
ATI	B882D05	K1643
CINCH	2999803003	K1618
GLENAIR	30/30/00/000	K1761SP
	31/30/00/000	K1762
KISTLER	100.005.955	K1735S
NDC NITINOL	92286	K1688S
SIGNAL INTEGRITY	D4601-L3	K1705
SIGNAL INTEGRITY	E5656-H8	K1706
ULTI-MATE	8300-0165	K1754SP

More options are available. Consult DMC for a full list of tooling.

WA22BH

Pneumatic

Dimensions (L X W X H)	8.1” x 2.3” x 2.3”
Weight	2.2 lbs

Supplied with a nine foot hose.

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MH992

32 to 20 AWG

G822 Go/No-Go Gage

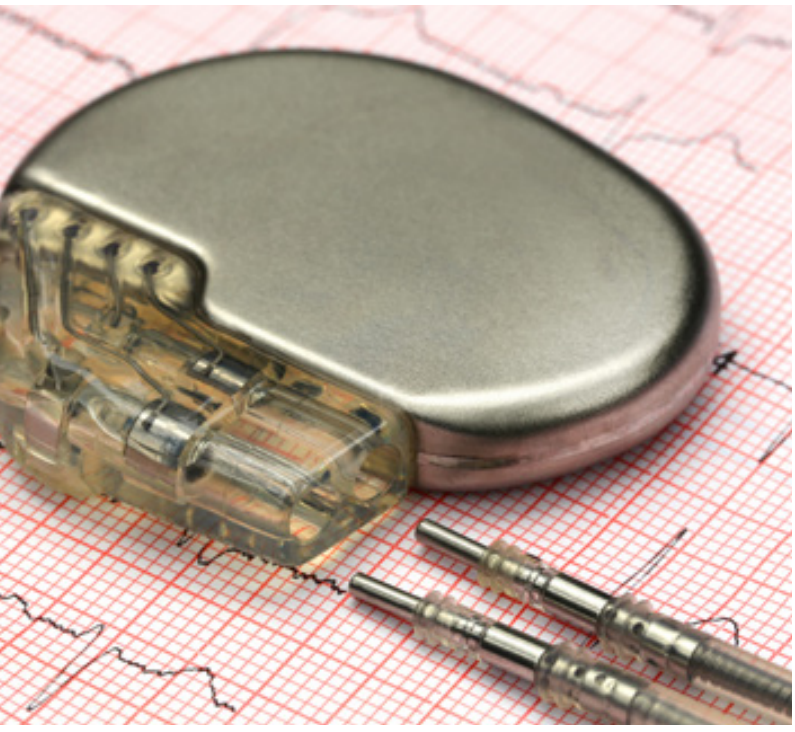
Dimensions (L X W X H)	7.5” x 2” x 0.8”
Weight	10 oz

WA22AE

Pneumatic

Dimensions (L X W X H)	8.1” x 2.3” x 2.3”
Weight	2.2 lbs

Supplied with a nine foot hose.



FEATURES

Micro-crimp Tool for Coax Inner Contacts

Produces an 8-indent crimp

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
ACCELLENT	.028x.100LG Ferrule	K1702S
AMPHENOL	21-33664-7M,	K1360
	21-3365-7M	K1360
CINCH	2999804004	K1624
DEUTSCH	6362-223-1231	K1605
	6362-226-1231	K1631
	6362-227-1231	K1631
	3362-204-1231	K1709S
	610870	K1744
ELI CONNECTORS	D1003	K1183S
GLENAIR	859-006	K1721
MEDICAL IMPLANT COCHLEAR	N/A	K1632
MILL-MAX	3061-0-19-xx-21-xx10-0	K1733S
PACKETS D-G COOK INC	N/A	K1597
ROSENBERGER	N/A	K1409
SAMTEC	TEM	K1751S
	C-295-XX-X	K1752S
SOURIAU	ETH4-0011A-D	K1733S
	ETH4-0012A-D	K1734S
TE DEUTSCH	M39029/102-558 SKT	K1303S
	M39029/103-559 PIN	K1304
TRI-TECH	N/A	K1072
TYCO	1996972-2	K1739
	1996972-2	K1755
ULTRA PRECISION	857-000-280	K1730S
W. L. GORE & ASSOC	#12 QUADRAX PIN/ SOCKET	K1704S

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FT8

26 to 12 AWG

G125 Go/No-Go Gage

Dimensions (L X W X H)	10” x 3” x 3”
Weight	15 oz

WA27E

Pneumatic

Dimensions (L X W X H)	10” x 2.8” x 2.8”
Weight	3.1 lbs

Supplied with a nine foot hose.

FEATURES

Ideal for rail applications

Crimps contacts with oversized shoulder diameters up to .250

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
ACTUANT	202401	TP1686
AMPHENOL SOCAPEX	53744-207	TP955
ATLANTIQUE CONPOSANTS	R941019	TP1536
CKB	S1166.1000A S1166.3	TP1319
	S24150-0003 (P) S24151-0003 (S)	TP1012
	SE768-5	TP1078
CONNEI	19989 20035 20214 20215 20216 20217	TP1324
	19994 19996 20212 20213	TP1323
	19710 19713	TP1364
EMI	PA008595 PA008596	TP1822
HYPERTAC	0150-68 0200-42 0150-90	TH548
ITT CANNON	020436Y0000 020437Y0000 020434Y0000 020435Y0000	TH554
JUPITER	BF 2020-47	TP1098
LILLYTECH LTD	SOLID STRAND WIRE .018 DIA	TP1593
SCHALTBAU	1440-0239-366 (P) 1440-0590-149 (S)	TP1049
TE CONNECTIVITY	2120535-1	TP1683
	213567-1	SP867
	212013-1 212014-1	TP731
TYCO	1986615-1 1986617	TP1653
VIGNAL	025735-3 025736-3 025737-3	TP1671*

**To be used with the WA27E power tool*

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VM8

22 to 16 AWG

G344 Go/No-Go Gage

Dimensions (L X W X H)	9.8” x 2.5” x 1.3”
Weight	1.3 lbs

WA27VM8

Pneumatic

Dimensions (L X W X H)	10” x 2.8” x 2.8”
Weight	3.1 lbs

Supplied with a nine foot hose.

FEATURES

Ideal for rail applications

MANUFACTURER	CONTACT PART NUMBER	POSITIONER
VAN System Contacts	ST485-12P ST485-12S ST485-12P** ST485-12S** ST485-16S ST485-16SR ST485-16P ST485-16PR ST485-16SP ST485-16SS ST485-16SPR ST485-16SSR	VH435-1
Veam Contacts	27914-()* 27964-()* 27963 45470 45473 45454 AND 45474 27913 45453 AND 45471 27911 AND 45451	VH435-LL
	27914-()* 27964-()* 27963 45470 45473 45454 AND 45474 27913 45453 AND 45471 27911 AND 45451	VH435
	27914-()* 27964-()* 27963 45470 45473 45454 AND 45474 27913 45453 AND 45471 27911 AND 45451	VH435-290
	45787-20S 46117-20P (-20S) 46178-201P (-202P) 46179-201 (-202) 10-314980-20P 45787-16S 10-314980-16P 27961 45450	VH441

**For Contacts -15, -18, -22, -26, -30, -38*
***-15, -15R, -18, -22, -R, -30, -38*

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Insertion/Removal Tools

Daniels Manufacturing Corporation offers a wide range of insertion and removal tools (I/R) to aid in the installation and extraction of contacts in connectors. A variety of styles are available to accommodate both front and rear release connectors. I/R tools are available with straight, joggled, angled, and offset tips in probe, spring-loaded probe, tweezer, and plier styles. These tools come in plastic, plastic/metal, and complete metal varieties. "DAK" in a part number denotes insertion, "DRK" denotes removal, and "DHK" denotes insertion and removal. Many of the I/R tools are color coded to help operators quickly identify contact size and/or series.

Metal I/R tools are known for their durability and are less likely to cause damage to connector sealing grommets. When used properly, these tools can last thousands of cycles. Though popular, plastic I/R tools are less reliable and more likely to cause contact retention failures due to a lack of strength needed to fully lock a contact into position. DMC also manufactures unwired contact removal tools for removing contacts and broken wires from connectors. Plastic and metal probe options allow operators to correct these situations without damaging expensive connectors.

I/R Styles and Tips

I/R Styles

Probe

Spring-Loaded Probe

Tweezers

Pliers

I/R Tips

Straight

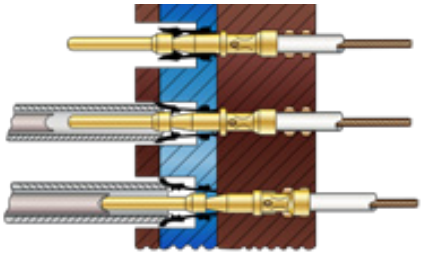
Joggled

Angled

Offset

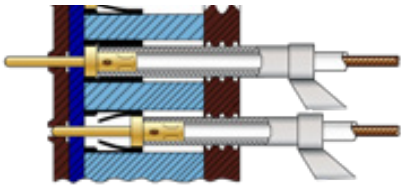
In-line

Typical Connector



FRONT RELEASE

Connectors without color bands have contacts that typically release from the front using probe-type tools.



REAR RELEASE

Blue bands on connectors generally indicate the connector has contacts that release from the rear using tweezer-type tools.

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DMC's General Purpose Insertion and Removal Tool Kit contains metal I/R tools for mil-spec circular connectors, D-subminiature connectors, ARINC connectors, and SAE-AS81714 terminal junctions. Contrasting shadow-cut foam provides quick visual control of tooling to support FOD-free work with a dedicated location for every tool. Consult DMC for all kit options.

DMC1155

NSN: *5120-01-687-0144*

12	Metal Insertion Tools
12	Metal Removal Tools
2	Metal Insertion/Removal Tools
75	Plastic Insertion/Removal Tools

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts

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MIL SPEC TO DMC CROSS-REFERENCE

AS81969 MIL SPEC TO DMC CROSS-REFERENCE					
CONNECTOR SERIES	**CONTACT SIZE**	**MIL SPEC P/N**	**DMC P/N**	**TOOL TYPE**	**COLOR**
SAE-AS81511 (SERIES 1 & 2)	22	M81969/2-01	DAK126-23A	INSERTION (STRAIGHT PROBE)	YELLOW
	20	M81969/2-02	DAK126-20A		RED
	16	M81969/2-03	DAK126-16A		BLUE
	12	M81969/2-04	DAK126-12A		YELLOW
SAE-AS81511 (SERIES 1 & 2)	23	M81969/3-01	DRK129-23A	REMOVAL (STRAIGHT PROBE)	YELLOW
	20	M81969/3-02	DRK129-20A		RED
	16	M81969/3-03	DRK129-16A		BLUE
	12	M81969/3-04	DRK129-12A		YELLOW
	23	M81969/3-05	DRK125-23A		YELLOW
	20	M81969/3-06	DRK125-20A		RED
	16	M81969/3-07	DRK125-16A		BLUE
	12	M81969/3-08	DRK125-12A		YELLOW
MIL-DTL-38999 (SERIES 1-4), MIL-DTL-55302/68, /69, /166 THROUGH /171, MIL-DTL-83733 (SIZE 22D), SAE-AS81714 (SERIES 1) (SIZE 22D)	22D/22M	M81969/8-01	DAK95-22MB	INSERTION (ANGLED TWEEZER)	GREEN
		M81969/8-02	DRK95-22MB	REMOVAL (ANGLED TWEEZER)	GREEN/ WHITE
	22	M81969/8-03	DAK95-22B	INSERTION (ANGLED TWEEZER)	BROWN
		M81969/8-04	DRK95-22B	REMOVAL (ANGLED TWEEZER)	BROWN/ WHITE
	20	M81969/8-05	DAK95-20B	INSERTION (ANGLED TWEEZER)	RED
		M81969/8-06	DRK95-20B	REMOVAL (ANGLED TWEEZER)	RED/ WHITE
	16	M81969/8-07	DAK95-16B	INSERTION (ANGLED TWEEZER)	BLUE
		M81969/8-08	DRK95-16B	REMOVAL (ANGLED TWEEZER)	BLUE/ WHITE
	12	M81969/8-09	DAK95-12B	INSERTION (ANGLED TWEEZER)	YELLOW
		M81969/10-8	DRK95-12B	REMOVAL (ANGLED TWEEZER)	YELLOW/ WHITE
	10	M81969/8-11	DAK95-10B	INSERTION (ANGLED TWEEZER)	GREEN
		M81969/8-12	DRK95-10B	REMOVAL (ANGLED TWEEZER)	GREEN/ WHITE
	8	M81969/8-13	DAK95-8B	INSERTION (ANGLED TWEEZER)	RED
		M81969/8-14	DRK95-8B	REMOVAL (ANGLED TWEEZER)	RED/ WHITE

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MIL SPEC TO DMC CROSS-REFERENCE CONTINUED

AS81969 MIL SPEC TO DMC CROSS-REFERENCE					
CONNECTOR SERIES	**CONTACT SIZE**	**MIL SPEC P/N**	**DMC P/N**	**TOOL TYPE**	**COLOR**
MIL-DTL-26482 (SERIES 2), MIL-DTL-83723 (SERIES 2) (SIZES 12 & 16), MIL-DTL-83723 (SERIES 3) (SIZES 12, 16 &20), MIL-DTL-83733, SAE-AS50151 (SERIES 3450), SAE-AS81703 (SERIES 3) (SIZE 12), SAE-AS81714 (SERIES 1 & 2) (SIZES 12, 16 & 20)	20	M81969/8-205	DAK83-20B	INSERTION (ANGLED TWEEZER)	RED/ BLACK
		M81969/8-206	DRK83-20B	REMOVAL (ANGLED TWEEZER)	RED/ WHITE/ BLACK
	16	M81969/8-207	DAK83-16B	INSERTION (ANGLED TWEEZER)	BLUE/ BLACK
		M81969/8-208	DRK83-16B	REMOVAL (ANGLED TWEEZER)	BLUE/ WHITE/ BLACK
	12	M81969/8-209	DAK83-12B	INSERTION (ANGLED TWEEZER)	YELLOW/ BLACK
		M81969/8-210	DRK83-12B	REMOVAL (ANGLED TWEEZER)	YELLOW/ WHITE/ BLACK
MIL-DTL-38999 (SERIES 1-4), MIL-DTL-55302/68, /69, /166 THROUGH /171, MIL-DTL-83733 (SIZE 22D), SAE-AS81714 (SIZE 22D)	22D/22M	M81969/8-301	DAK722-22D	INSERTION (OFFSET TWEEZER)	GREEN
		M81969/8-302	DRK722-22D	REMOVAL (OFFSET TWEEZER)	GREEN/ WHITE
	22	M81969/8-303	DAK722-22	INSERTION (OFFSET TWEEZER)	BROWN
		M81969/8-304	DRK722-22	REMOVAL (OFFSET TWEEZER)	BROWN/ WHITE
	20	M81969/8-305	DAK722-20	INSERTION (OFFSET TWEEZER)	RED
		M81969/8-306	DRK722-20	REMOVAL (OFFSET TWEEZER)	RED/ WHITE
	16	M81969/8-307	DAK722-16	INSERTION (OFFSET TWEEZER)	BLUE
		M81969/8-308	DRK722-16	REMOVAL (OFFSET TWEEZER)	BLUE/ WHITE
	12	M81969/8-309	DAK722-12	INSERTION (OFFSET TWEEZER)	YELLOW
		M81969/8-310	DRK722-12	REMOVAL (OFFSET TWEEZER)	YELLOW/ WHITE
	10	M81969/8-311	DAK722-10	INSERTION (OFFSET TWEEZER)	GREEN

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MIL SPEC TO DMC CROSS-REFERENCE CONTINUED

AS81969 MIL SPEC TO DMC CROSS-REFERENCE					
CONNECTOR SERIES	**CONTACT SIZE**	**MIL SPEC P/N**	**DMC P/N**	**TOOL TYPE**	**COLOR**
MIL-DTL-38999 (SERIES 1-4), MIL-DTL-55302/68, /69, /166 THROUGH /171, MIL-DTL-83733 (SIZE 22D), SAE-AS81714 (SIZE 22D)	10	M81969/8-312	DRK722-10	REMOVAL (OFFSET TWEEZER)	GREEN/ WHITE
	8	M81969/8-313	DAK722-8	INSERTION (OFFSET TWEEZER)	RED
		M81969/8-314	DRK722-8	REMOVAL (OFFSET TWEEZER)	RED/ WHITE
MIL-DTL-55302/65 & /66	22	M81969/12-01	DRK248A	INSERTION/REMOVAL (IN-LINE TWEEZER)	BROWN
		M81969/12-02	DRK246A	INSERTION/REMOVAL (ANGLED TOOL)	
MIL-DTL-83723 (SERIES 2), SAE-AS50151 (SERIES 3450)	8	M81969/15-01	DRK250-8*	REMOVAL (PLIER)	N/A
	4	M81969/15-02	DRK250-4*		
	0	M81969/15-03	DRK250-0*		
MIL-DTL-26482 (SERIES 1), MIL-DTL-26500, MIL-DTL-26518, SAE-AS81703 (SERIES 2)	20	M81969/17-03	DAK20B	INSERTION (STRAIGHT PROBE)	RED
MIL-C-38300, MIL-DTL-26482 (SERIES 1), MIL-DTL-26500, MIL-DTL-26518, SAE-AS50151 (SERIES 3400), SAE-AS81659 (SERIES 1), SAE-AS81703 (SERIES 2)	16	M81969/17-04	DAK16B		BLUE
	12	M81969/17-05	DAK12B		YELLOW
MIL-DTL-26500, MIL-DTL-26518, SAE-AS50151 (SERIES 3400)	8	M81969/17-06	DAK55-8B		RED
	4	M81969/17-07	DAK55-4B		BLUE
	0	M81969/17-08	DAK55-0B		YELLOW
MIL-C-38300, MIL-DTL-26482 (SERIES 1), MIL-DTL-26500, MIL-DTL-26518, SAE-AS50151 (SERIES 3400), SAE-AS81659 (SERIES 1), SAE-AS81703 (SERIES 2)	20	M81969/17-09	DAK83S-20		RED
MIL-DTL-28748	16/20	M81969/18-01	DAK123A	INSERTION (STRAIGHT PROBE)	GREEN
	22	M81969/18-02	DAK123-22A		GOLD

**Contact DMC for QPL status.*

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MIL SPEC TO DMC CROSS-REFERENCE CONTINUED

AS81969 MIL SPEC TO DMC CROSS-REFERENCE					
CONNECTOR SERIES	**CONTACT SIZE**	**MIL SPEC P/N**	**DMC P/N**	**TOOL TYPE**	**COLOR**
MIL-C-38300, MIL-DTL-26482 (SERIES 1), MIL-DTL-26500, MIL-DTL-26518 SAE-AS50151 (SERIES 3400), SAE-AS81659 (SERIES 1), SAE-AS81703 (SERIES 2)	16	M81969/19-01	DRK16B	REMOVAL (STRAIGHT SPRING-LOADED PROBE)	BLUE
	12	M81969/19-02	DRK12B		YELLOW
	8	M81969/19-03	DRK56-8B		RED
	4	M81969/19-04	DRK56-4B		BLUE
	0	M81969/19-05	DRK56-0B		YELLOW
	20	M81969/19-06	DRK20B		RED
MIL-C-38300	20	M81969/19-10	DHK20B		RED
	16	M81969/19-11	DHK16B		BLUE
MIL-DTL-28748	16/20	M81969/20-01	DRK124A	REMOVAL (STRAIGHT SPRING-LOADED PROBE)	GREEN
	22	M81969/20-02	DRK124-22A		GREEN
AS85028/1	16	M81969/21-01	DHK368*	INSERTION/REMOVAL (STRAIGHT PROBE)	N/A
MIL-DTL-22992	4/0	M81969/27-01	DRK178-1A*	REMOVAL (STRAIGHT PROBE)	N/A
	2/0	M81969/27-02	DRK178-2A*		
	1/0	M81969/27-03	DRK178-3A*		
	2	M81969/27-04	DRK178-4A*		
	4	M81969/27-05	DRK178-5A*		
	6	M81969/27-06	DRK178-6A*		
SAE-AS81659 (SERIES 2)	5 (COAX)	M81969/28-01	DRK310*	REMOVAL (STRAIGHT PROBE)	GOLD
	12 (COAX)	M81969/28-02	DRK337*	REMOVAL (STRAIGHT SPRING-LOADED PROBE)	RED
MIL-DTL-28840	22	M81969/33-01	DAK55-22SA	INSERTION (STRAIGHT PROBE)	RED
		M81969/33-02	DAK55-22JA	INSERTION (JOGGLED PROBE)	RED
MIL-DTL-28840	22	M81969/34-01	DRK56-22A	REMOVAL (STRAIGHT PROBE)	RED

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PLASTIC TO METAL CROSS-REFERENCE

AS81969 PLASTIC INSERTION/REMOVAL TO METAL INSERTION/REMOVAL TOOL CROSS-REFERENCE					
CONNECTOR SERIES	CONTACT SIZE	MIL SPEC P/N	COLOR	METAL I/R TOOL EQUIVALENT	
				INSERTION	REMOVAL
MIL-DTL-24308 (SIZE 20), MIL-DTL-28804 (SIZE 22D), MIL-DTL-38999 (SERIES 3) (SIZE 23), SAE-AS81659 (SERIES 2) (SIZE 20),	22	M81969/1-01	GREEN/WHITE	N/A	N/A
	20	M81969/1-02	RED/WHITE	DAK145 (STRAIGHT PROBE)	DRK145 (ANGLED TWEEZER)
	16	M81969/1-03	BLUE/WHITE	N/A	N/A
	22D	M81969/1-04	GREEN/WHITE	N/A	N/A
	23	M81969/1-05*	YELLOW/WHITE	N/A	DRK95-23B (ANGLED TWEEZER)
MIL-DTL-24308 (SIZE 22D), MIL-DTL-38999 (SERIES 1, 2, 3 & 4) MIL-DTL-55302/68 & /69, MIL-DTL-83733 (SIZE 22D), SAE-AS81714 (SERIES 1) (SIZE 22D)	22M 22D	M81969/14-01	GREEN/WHITE	DAK95-22MB (ANGLED TWEEZER) DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) DRK722-22D (OFFSET TWEEZER)
	22	M81969/14-09*	BROWN/WHITE	DAK95-22B (ANGLED TWEEZER) DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) DRK722-22 (OFFSET TWEEZER)
	20	M81969/14-10	RED/ORANGE	DAK95-20B (ANGLED TWEEZER) DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) DRK722-20 (OFFSET TWEEZER)
	16	M81969/14-03	BLUE/WHITE	DAK95-16B (ANGLED TWEEZER) DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) DRK722-16 (OFFSET TWEEZER)
	12	M81969/14-04	YELLOW/WHITE	DAK95-12B (ANGLED TWEEZER) DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) DRK722-12 (OFFSET TWEEZER)
	10	M81969/14-05	GRAY/WHITE	DAK95-10B (ANGLED TWEEZER) DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER) DRK722-10 (OFFSET TWEEZER)
	8	M81969/14-12	GREEN	DAK95-8B (ANGLED TWEEZER) DAK722-8 (OFFSET TWEEZER)	DRK95-8B (ANGLED TWEEZER) DRK722-8 (OFFSET TWEEZER)

**Contact DMC for QPL status.*

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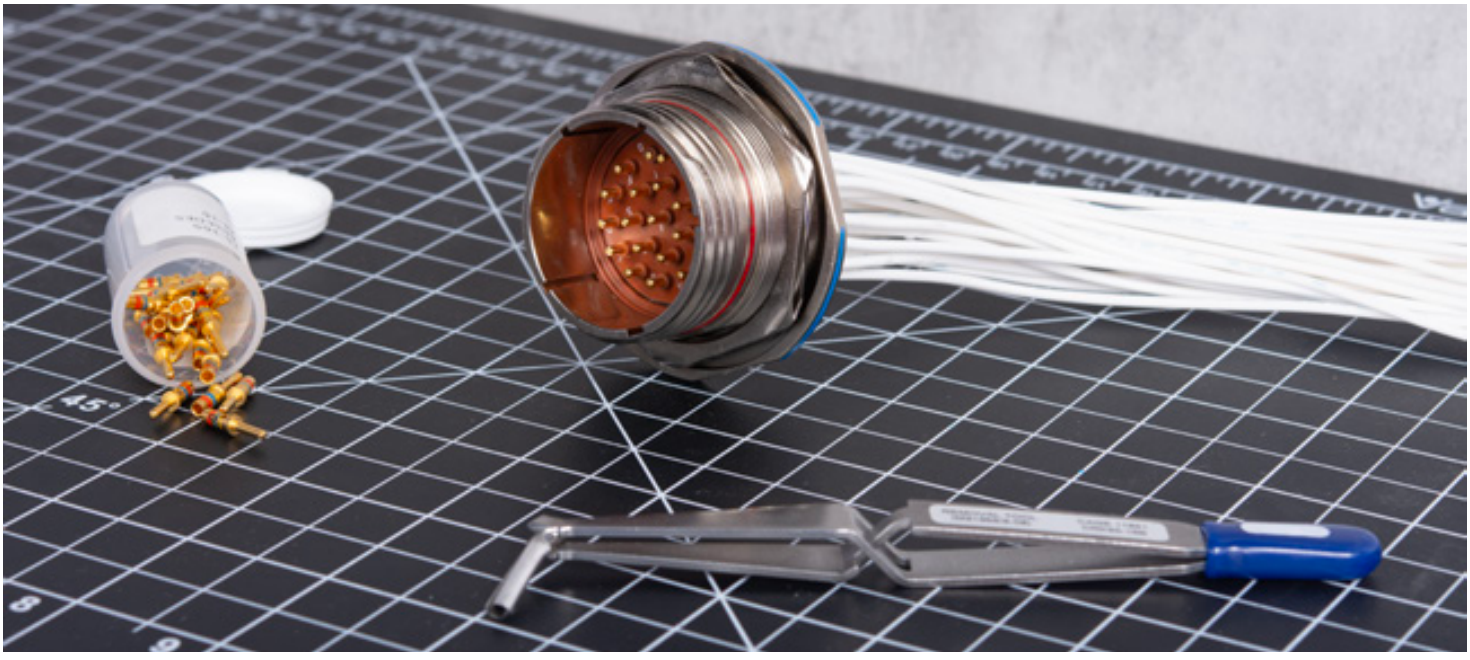
PLASTIC TO METAL CROSS-REFERENCE CONTINUED

AS81969 PLASTIC INSERTION/REMOVAL TO METAL INSERTION/REMOVAL TOOL CROSS-REFERENCE					
CONNECTOR SERIES	CONTACT SIZE	MIL SPEC P/N	COLOR	METAL I/R TOOL EQUIVALENT	
				INSERTION	REMOVAL
MIL-DTL-26482 (SERIES 2), MIL-DTL-83723 (SERIES 2 & 3), MIL-DTL-83733 (SIZES 12/16/20), SAE-AS50151 (SERIES 3450), SAE-AS81703 (SERIES 3), SAE-AS81714 (SERIES 1 & 2)	M81969/14-11	20	RED/WHITE	DAK83-20B (ANGLED TWEEZER)	DRK83-20B (ANGLED TWEEZER)
	M81969/14-03	16	BLUE/WHITE	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
	M81969/14-04	12	YELLOW/WHITE	DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
MIL-DTL-83723 (SERIES 2), SAE-AS50151 (SERIES 3450)	M81969/14-06	8	RED	N/A	DRK250-8 (PLIERS)
	M81969/14-07	4	BLUE	N/A	DRK250-4 (PLIERS)
	M81969/14-08	0	YELLOW	N/A	DRK250-0 (PLIERS)
SAE-AS81511 (SERIES 3 & 4)	M81969/16-01	20	RED/WHITE	N/A	N/A
	M81969/16-02	16	BLUE/WHITE	N/A	N/A
	M81969/16-03	12	YELLOW/WHITE	N/A	N/A
	M81969/16-04	23	GREEN/WHITE	N/A	N/A
MIL-DTL-24308 (SIZE 20)	M81969/39-01	20	GREEN/WHITE	DAK145 (STRAIGHT PROBE)	DRK145 (ANGLED TWEEZER)



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UNWIRED CONTACT REMOVAL TOOLS CROSS-REFERENCE

AS81969/30 UNWIRED CONTACT REMOVAL TOOLS WITH PLASTIC PROBES

MIL SPEC P/N (HANDLE W/ PROBE)	DMC P/N	MIL SPEC P/N (PLASTIC PROBE ONLY)	DMC P/N (PLASTIC PROBE ONLY)	CONTACT SIZE	PROBE COLOR	PROBE BAND COLOR	CONNECTOR SERIES
M81969/30-01	DRK501B	M81969/30-21	DRK521B	22	YELLOW	BLACK	SAE-AS81511 (SERIES 3 & 4)
M81969/30-02	DRK502B	M81969/30-22	DRK522B	20	RED	BLACK	
M81969/30-03	DRK503B	M81969/30-23	DRK523B	16	BLUE	BLACK	
M81969/30-04	DRK504B	M81969/30-24	DRK524B	12	YELLOW	BLACK	
M81969/30-05	DRK505B	M81969/30-25	DRK525B	20	RED	SILVER	MIL-DTL-26482 SERIES 2, MIL-DTL-83723 SERIES 3, MIL-DTL-83733 (EXCEPT SIZE 22D), SAE-AS50151 SERIES 3450
M81969/30-06	DRK506B	M81969/30-26	DRK526B	16	BLUE	SILVER	
M81969/30-07	DRK507B	M81969/30-27	DRK527B	12	YELLOW	SILVER	
M81969/30-08	DRK508B	M81969/30-28	DRK528B	22D	BROWN	BROWN	MIL-DTL-38999 (SERIES 1-4), MIL-DTL-24308, MIL-DTL-83733 (SIZE 22D ONLY)
M81969/30-09	DRK509B	M81969/30-29	DRK529B	22M	YELLOW	BROWN	
M81969/30-10	DRK510B	M81969/30-30	DRK530B	22	GREEN	BROWN	
M81969/30-11	DRK511B	M81969/30-31	DRK531B	20	RED	BROWN	
M81969/30-12	DRK512B	M81969/30-32	DRK532B	16	BLUE	BROWN	
M81969/30-13	DRK513B	M81969/30-33	DRK533B	12	YELLOW	BROWN	
M81969/30-14	DRK514B	M81969/30-37	DRK537B	10	BLACK	BROWN	
M81969/30-20	DRK520B	TOOL HANDLE ONLY. HANDLE TO BE USED W/PLASTIC PROBES.					

AS81969/30 UNWIRED CONTACT REMOVAL TOOLS WITH METAL PROBES

MIL SPEC P/N (HANDLE W/ PROBE)	DMC P/N	MIL SPEC P/N (PLASTIC PROBE ONLY)	DMC P/N (PLASTIC PROBE ONLY)	CONTACT SIZE	BODY COLOR	PROBE COLOR	CONNECTOR SERIES
M81969/30-08M	DRK276-22D	M81969/30-28M	DRK725	22D	BROWN	METAL	MIL-DTL-38999 (SERIES 1-4), MIL-DTL-24308, MIL-DTL-83733 (SIZE 22D ONLY)
M81969/30-09M	DRK276-22M	M81969/30-29M	DRK726	22M	YELLOW		
M81969/30-10M	DRK276-22	M81969/30-30M	DRK727	22	GREEN		
M81969/30-11M	DRK276-20	M81969/30-31M	DRK728	20	RED		
M81969/30-12M	DRK276-16	M81969/30-32M	DRK729	16	BLUE		
M81969/30-13M	DRK276-12	M81969/30-33M	DRK730	12	YELLOW		
M81969/30-14M	DRK276-10	M81969/30-37M	DRK731	10	BLACK		
M81969/30-20M	DRK520MB	TOOL HANDLE ONLY. HANDLE TO BE USED W/METAL PROBES.					

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AS81969/30 UNWIRED CONTACT REMOVAL TOOL SETS WITH PROBES					
MIL SPEC P/N (TOOL SET)	**DMC P/N**	**TOOL SET CONTENTS**	**CONTACT SIZES**	**PROBE MATERIAL**	**CONNECTOR SERIES**
M81969/30-19	DRK519B	TOOL W/14 PROBES	22D, 22M, 22, 20, 16, 12, 10	PLASTIC	MIL-DTL-24308, MIL-DTL-26482 (SERIES 2), MIL-DTL-38999 (SERIES 1-4), MIL-DTL-83723 (SERIES 3), MIL-DTL-83733 (SIZE 22D ONLY), SAE-AS50151 SERIES 3450, SAE-AS81511 (SERIES 3 & 4) CLASS "L" ONLY
M81969/30-34	DRK534B	TOOL W/4 PROBES	22, 20, 16, 12	PLASTIC	SAE-AS81511 (SERIES 3 & 4)
M81969/30-35	DRK535B	TOOL W/3 PROBES	20, 16, 12	PLASTIC	MIL-DTL-26482 SERIES 2, MIL-DTL-83723 SERIES 3, MIL-DTL-83733 (EXCEPT SIZE 22D), SAE-AS50151 SERIES 3450
M81969/30-36	DRK536B	TOOL W/7 PROBES	22D, 22M, 22, 20, 16, 12, 10	PLASTIC	MIL-DTL-38999 (SERIES 1-4, MIL-DTL-24308, MIL-DTL-83733 (SIZE 22D ONLY)
M81969/30-40M	DRK540B	TOOL W/7 PROBES	22D, 22M, 22, 20, 16, 12, 10	METAL	MIL-DTL-38999 (SERIES 1-4), MIL-DTL-24308, MIL-DTL-83733 (SIZE 22D ONLY)

DRK519B pictured above.

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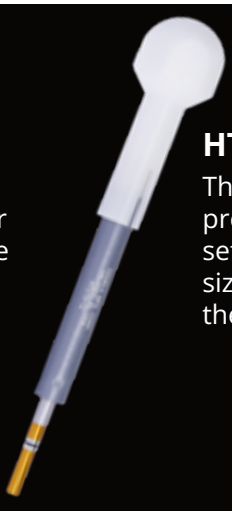
Contact Verification

CONTACT RETENTION TESTERS

Contact retention testers apply force to power contacts to verify they are seated properly in an electrical connector. These tools allow for in-house quality assurance and deliver one to 40 pounds of force. These double-sided tools have both male and female parts to accommodate pin and socket contacts. Color coded tips indicate the size and contact designation (pin or socket) to ensure accurate use. The tool also has a nylon hand protector that guards the operator from injury. Contact DMC for more information on contact retention testers for specialized or custom applications.

HT250 Series

The HT250 series are adjustable and can deliver different amounts of force within the designated range. They can also be sold set to the operator's desired pound value. Tips are sold separately.



HT210 Series

The HT210 series are preset to one poundage setting. The correct tip size is preattached to the tool.

CONNECTOR SERIES SERVICED	
AS50151	MIL-DTL-24308
MIL-DTL-26482	MIL-DTL-26500
MIL-DTL-28748	MIL-DTL-38999
SAE-AS81511	SAE-AS81659
AS81703	MIL-DTL-83723

Contact retention testers are available to service other proprietary and military connector series. Please consult DMC for verification.

CALIBRATED FORCE OF TOOL	
TOOL PART NUMBER	**RANGE (LBF)**
HT210-12	10 ± 3
HT210-16	10 ± 3
HT210-20	10 ± 3
HT210-22	10 ± 3
HT210-23	10 ± 3
HT210-24	10 ± 3
HT210-24S	10 ± 3
HT210-26	2 ± 1
HT250-1	1.5 - 3.0
HT250-2	3.0 - 5.5
HT250-3	4.0 - 8.0
HT250-4	7.0 - 18.0
HT250-5	17.0 - 25.0
HT250-6	24.0 - 40.0

REPLACEMENT TIPS - IDENTIFICATION					
CONTACT SIZE	**COLOR CODE**	**SOCKET TESTER**	**PIN TESTER**	**HT250 BODY***	**HT210 BODY**
26	Green	67-026-01	68-026-01	HT250-1	HT210-26
24	Gold	67-024-01	68-024-01		HT210-24
23	Black	67-023-01	68-023-01		HT210-23
22, 22M, 22D	Copper	67-022-01	68-022-01	HT250-3	HT210-22
20	Red	67-020-01	68-020-01		HT210-20
16	Blue	67-016-01	68-016-01	HT250-4	HT210-16
12	Yellow	67-012-01	68-012-01		HT210-12
10	Gray	67-010-01	68-010-01	HT250-5	-
8	Red	67-008-01	68-008-01		-
6	Blue	67-006-01	68-006-01	HT250-6	-
4	Yellow	67-004-01	68-004-01		-

**Per NASA-STD-8739.4A*

Replacement tips are sold separately. Additional tips and tools are available. Contact DMC for more details.

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CONTACT RETENTION TESTER KIT

DMC95

The DMC95 contains all HT250 contact retention testers and tips. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool.

6	All HT250 Tool Bodies
9	Pin Tips
9	Socket Tips

Additional tool kits are available. Contact DMC for more details.

RTCG-75B

The RTCG-75B Retention Tester Calibration Gage is a portable precision instrument designed for verifying the accuracy of retention testers. The tool provides accurate calibration resulting in reliable test results and incorporates the latest Alphatron digital test technology.

COMPATIBLE WITH VARIOUS TESTERS

CALIBRATES FORCE

NIST CERTIFICATION

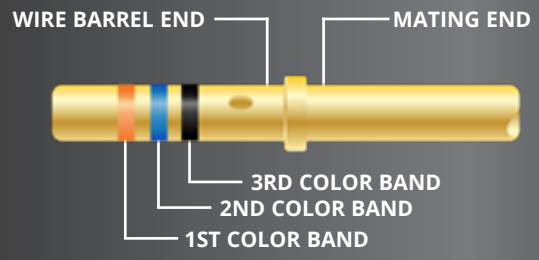
CONTACT GAGES

Contact gages determine the size of a contact's mating end. This allows operators to select the correct installation and/or removal tool. Contact gages are color-coded to assist in selecting the correct size. Socket contacts must be gaged with the "S" denoted end while pin contacts are to be used with the "P" denoted end. To gauge a pin contact, start with the smallest contact gage. Test each gage until you reach the first gage that fits over the pin. When gauging sockets, start with the largest gage. The first gage that fits inside the socket is the correct size. These tools are not to be used as a pin straightener.

GAGE SIZE	DMC PART NUMBER	COLOR
10	CG10	GREEN
12	CG12	YELLOW
16	CG16	BLUE
20	CG20	RED
22	CG22	BROWN
23	CG23	BLACK

M39029 CONTACTS TOOL SELECTION GUIDE

CONTACT COLOR CODE AND BIN*



0 – Black (BLK)	5 – Green (GRN)
1 – Brown (BRN)	6 – Blue (BLU)
2 – Red (RED)	7 – Violet (VIO)
3 – Orange (ORN)	8 – Gray (GRA)
4 – Yellow (YEL)	9 – White (WHT)

*BASIC IDENTIFICATION NUMBER

- Example shown: 360 (Orange, Blue, Black)
- Manufacturers have the option of identifying contacts by stamping the BIN code on the shoulder or the wire barrel (size 16 and larger).

DISCLAIMER OF LIABILITY

The information contained here has been compiled by DMC from various sources. It is presented as an aid to assist DMC's customers in selecting appropriate tooling for the assembly and maintenance of electrical wiring systems.

While DMC believes this information to be accurate, due to the complexity and volume of the information presented, DMC must and does disclaim any warranty for its accuracy.

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MIL-DTL-12883

RELAY SOCKETS

CONNECTOR P/N	CONTACT P/N	BIN	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
						AF8	MH860	INSERTION	REMOVAL
M12883/40 EXTENDED HEIGHT RELAY SOCKETS	M39029/5-117	1-BRN 1-BRN 7-VIO	16	20	24-20	TH1A	86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
	M39029/5-116	1-BRN 1-BRN 6-BLU		16	20-16				
M12883/40 LOW PROFILE RELAY SOCKETS	M39029/92-534	5-GRN 3-ORN 4-YEL	16	20	24-20			DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
	M39029/92-533	5-GRN 3-ORN 3-ORN		16	20-16				

CONNECTOR P/N	CONTACT P/N	BIN	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M12883/41 EXTENDED HEIGHT RELAY SOCKETS	M39029/5-117	1-BRN 1-BRN 7-VIO	16	20	24-20	TH1A		86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
	M39029/5-116	1-BRN 1-BRN 6-BLU		16	20-16					
M12883/41 LOW PROFILE RELAY SOCKETS	M39029/92-531	5-GRN 3-ORN 1-BRN	22	22	28-22		K1561		DAK95-22B (ANGLED TWEEZER)	DRK95-22B (ANGLED TWEEZER)
	M39029/92-534	5-GRN 3-ORN 4-YEL	16	20	24-20	TH1A		86-2	DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
	M39029/92-533	5-GRN 3-ORN 3-ORN		16	20-16					

CONNECTOR P/N	CONTACT P/N	BIN	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
						AF8	MH860	INSERTION	REMOVAL
M12883/44 LOW PROFILE RELAY SOCKETS	M39029/101-553	5-GRN 5-GRN 3-ORN	20	20	24-20	TH343-1	86-20	M81969/14-10 (RED)	M81969/14-10 (ORANGE)

CONNECTOR P/N	CONTACT P/N	BIN	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M12883/45 LOW PROFILE RELAY SOCKETS	M39029/101-552	5-GRN 5-GRN 2-RED	22	22	28-22		K330-2	86-19	M81969/16-04 (GREEN) OR M81969/14-01 (GREEN)	M81969/16-04 (WHITE) OR M81969/14-01 (WHITE)
	M39029/101-553	5-GRN 5-GRN 3-ORN	20	20	24-20	TH343-1		86-20	M81969/14-10 (RED)	M81969/14-10 (ORANGE)

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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CONNECTOR P/N	CONTACT P/N	BIN			MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M12883/46 LOW PROFILE RELAY SOCKETS	M39029/101-553	5-GRN	5-GRN	3-ORN	20	20	24-20	TH343-1		86-20	M81969/14-10 (RED)	M81969/14-10 (ORANGE)
	M39029/101-554	5-GRN	5-GRN	4-YEL	16	16	20-16		K330-2	86-21	M81969/16-02 (BLUE) OR M81969/14-03 (BLUE)	M81969/16-02 (WHITE) OR M81969/14-03 (WHITE)

CONNECTOR P/N	CONTACT P/N	BIN			MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M12883/47 EXTENDED HEIGHT RELAY SOCKETS	M39029/5-116	1-BRN	1-BRN	6-BLU	16	16	20-16	TH1A		86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M12883/47 LOW PROFILE RELAY SOCKETS	M39029/92-533	5-GRN	3-ORN	3-ORN	16	16	20-16				DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)

CONNECTOR P/N	CONTACT P/N	BIN			MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M12883/48 EXTENDED HEIGHT RELAY SOCKETS	M39029/5-116	1-BRN	1-BRN	6-BLU	16	16	20-16	TH1A		86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
	M39029/5-118	1-BRN	1-BRN	8-GRA	12	12	14-12				DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M12883/48 LOW PROFILE RELAY SOCKETS	M39029/92-533	5-GRN	3-ORN	3-ORN	16	16	20-16			86-2	DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
	M39029/92-535	5-GRN	3-ORN	5-GRN	12	12	14-12				DAK95-12B (ANGLED TWEEZER)	DRK95-12B (ANGLED TWEEZER)
	M39029/92-536	5-GRN	3-ORN	6-BLU	12	16	20-16				DAK95-12B (ANGLED TWEEZER)	DRK95-12B (ANGLED TWEEZER)

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MIL-DTL-22992

CLASS L

Heavy Duty, Circular, Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS90555	WALL MOUNT RECEPTACLE
MS90556	STRAIGHT PLUG
MS90557	IN-LINE RECEPTACLE
MS90558	WALL MOUNT PLUG

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
								WA23	INSERTION	REMOVAL
M39029/48-317	3-ORN	1-BRN	7-VIO	P	6	6	6	WA23-3 (DIE) AND WA23-10 (LOCATOR)	NOT REQUIRED	DRK178-6A (STRAIGHT PROBE)
M39029/49-329	3-ORN	2-RED	9-WHT	S						
M39029/48-318	3-ORN	1-BRN	8-GRA	P	6N*					
M39029/48-319	3-ORN	1-BRN	9-WHT	P	6G**					
M39029/49-330	3-ORN	3-ORN	0-BLK	S						
M39029/48-320	3-ORN	2-RED	0-BLK	P	4	4	4	WA23-4 (DIE) AND WA23-12 (LOCATOR)		DRK178-5A (STRAIGHT PROBE)
M39029/49-331	3-ORN	3-ORN	1-BRN	S						
M39029/48-321	3-ORN	2-RED	1-BRN	P	4N*					
M39029/48-322	3-ORN	2-RED	2-RED	P	4G**					
M39029/49-332	3-ORN	3-ORN	2-RED	S						
M39029/48-323	3-ORN	2-RED	3-ORN	P	1/0	1	1	WA23-8 (DIE) AND WA23-14 (LOCATOR)		DRK178-3A (STRAIGHT PROBE)
M39029/49-333	3-ORN	3-ORN	3-ORN	S						
M39029/48-324	3-ORN	2-RED	4-YEL	P	1/0N*					
M39029/48-325	3-ORN	2-RED	5-GRN	P	2/0	2/0	2/0	WA23-6 (DIE) AND WA23-15 (LOCATOR)		DRK178-2A (STRAIGHT PROBE)
M39029/49-334	3-ORN	3-ORN	4-YEL	S						
M39029/48-326	3-ORN	2-RED	6-BLU	P	2/0N*					
M39029/48-327	3-ORN	2-RED	7-VIO	P	4/0	4/0	4/0	WA23-7 (DIE) AND WA23-16 (LOCATOR)		DRK178-1A (STRAIGHT PROBE)
M39029/49-335	3-ORN	3-ORN	5-GRN	S						
M39029/48-328	3-ORN	2-RED	8-GRA	P	4/0N*					

**N indicates neutral pin.*
***G indicates grounding pin.*
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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MIL-DTL-24308

D-Subminiature, Rack and Panel, Rectangular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M24308/2	POLARIZED SHELL SOCKET CONTACTS
M24308/4	POLARIZED SHELL PIN CONTACTS
M24308/6	POLARIZED SHELL SOCKET CONTACTS NON-MAGNETIC
M24308/8	POLARIZED SHELL PIN CONTACTS NON-MAGNETIC

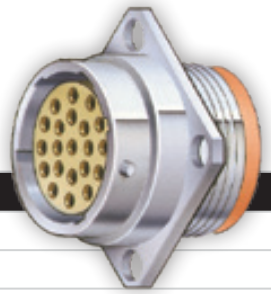
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/58-360	3-ORN	6-BLU	0-BLK	P	22	22D	28-22		K42	86-6	DAK95-22MB (ANGLED TWEEZER)	DRK95-22MB (ANGLED TWEEZER)
M39029/57-354	3-ORN	5-GRN	4-YEL	S					K41	86-5		
M39029/58-986	9-WHT	2-RED	8-GRA	P					K42	86-6		
M39029/57-982	9-WHT	8-GRA	2-RED	S					K41	86-5		
M39029/64-369	3-ORN	6-BLU	9-WHT	P	20	20	24-20	TP585	K13-1	86-30-1	DAK145 (STRAIGHT PROBE)	DRK145 (ANGLED TWEEZER)
M39029/63-368	3-ORN	6-BLU	8-GRA	S								
M39029/64-968	9-WHT	6-BLU	8-GRA	P								
M39029/63-928	9-WHT	2-RED	8-GRA	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MIL-DTL-26482

SERIES 1

Bayonet Coupling, Circular, Front Release Contacts



CONNECTOR PART NUMBER	DESCRIPTION
MS3120	WALL MOUNT FLANGE RECEPTACLE
MS3121	CABLE CONNECTING PLUG
MS3122	BOX MOUNT FLANGE RECEPTACLE
MS3124	JAM NUT REAR MOUNT RECEPTACLE
MS3126	STRAIGHT PLUG
MS3127	BOX MOUNT FLANGE RECEPTACLE
MS3128	WALL MOUNT FLANGE RECEPTACLE

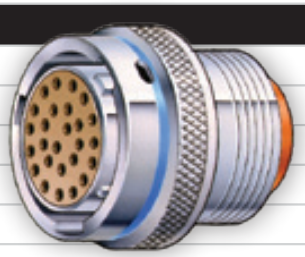
CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/31-240	2-RED 4-YEL 0-BLK	P	20	20	24-20	TH1A	K1S	86-1S	DAK20B (STRAIGHT PROBE)	DRK20B (STRAIGHT SL* PROBE)
M39029/32-259	2-RED 5-GRN 9-WHT	S								
M39029/31-228	2-RED 2-RED 8-GRA	P	16	16	20-16			86-2	DAK16B (STRAIGHT PROBE)	DRK16B (STRAIGHT SL* PROBE)
M39029/32-247	2-RED 4-YEL 7-VIO	S								
M39029/31-234	2-RED 3-ORN 4-YEL	P	12	12	14-12				DAK12B (STRAIGHT PROBE)	DRK12B (STRAIGHT SL* PROBE)
M39029/32-253	2-RED 5-GRN 3-ORN	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
**SL denotes spring-loaded.*

MIL-DTL-26482

SERIES 2

Bayonet Coupling, Circular, Rear Release Contacts



CONNECTOR P/N	DESCRIPTION
MS3470	WALL MOUNT FLANGE RECEPTACLE
MS3471	CABLE CONNECTING PLUG
MS3472	WIDE FLANGE WALL MOUNT RECEPTACLE
MS3474	JAM NUT REAR MOUNT RECEPTACLE
MS3475	PLUG RFI
MS3476	STRAIGHT PLUG

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/4-110	1-BRN 1-BRN 0-BLK	P	20	20	24-20	TH1A	K1S	86-1S	DAK83-20B (ANGLED TWEEZER)	DRK83-20B (ANGLED TWEEZER)
M39029/5-115	1-BRN 1-BRN 5-GRN	S								
M39029/4-112	1-BRN 1-BRN 2-RED	P	16					86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/5-117	1-BRN 1-BRN 7-VIO	S								
M39029/4-111	1-BRN 1-BRN 1-BRN	P		16	20-16					
M39029/5-116	1-BRN 1-BRN 6-BLU	S								
M39029/4-114	1-BRN 1-BRN 4-YEL	P	12						DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/5-119	1-BRN 1-BRN 9-WHT	S								
M39029/4-113	1-BRN 1-BRN 3-ORN	P		12	14-12					
M39029/5-118	1-BRN 1-BRN 8-GRA	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

MIL-DTL-26500

Threaded Or Bayonet Coupling, Circular,
Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS24264	FLANGE MOUNT RECEPTACLE
MS24265	SINGLE HOLE MOUNT RECEPTACLE
MS24266	STRAIGHT PLUG
MS27613	PANEL MOUNT RECEPTACLE
MS27614	JAM NUT RECEPTACLE
MS27615	PLUG

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/31-241	2-RED	4-YEL	1-BRN	P	20	20	24-20	TH1A	K1S	86-1S	DAK20B (STRAIGHT PROBE)	DRK20B (STRAIGHT SL* PROBE)
M39029/32-260	2-RED	6-BLU	0-BLK	S								
M39029/31-229	2-RED	2-RED	9-WHT	P	16	16	20-16			86-2	DAK16B (STRAIGHT PROBE)	DRK16B (STRAIGHT SL* PROBE)
M39029/32-248	2-RED	4-YEL	8-GRA	S								
M39029/31-235	2-RED	3-ORN	5-GRN	P	12	12	14-12				DAK12B (STRAIGHT PROBE)	DRK12B (STRAIGHT SL* PROBE)
M39029/32-254	2-RED	5-GRN	4-YEL	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
**SL denotes spring-loaded.*

MIL-DTL-26518

CLASS R (INACTIVE, REFER TO MIL-DTL-83733)

D-Subminiature, Rack and Panel,
Rectangular, Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS24285	RECEPTACLE
MS24286	PLUG

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/31-241	2-RED	4-YEL	1-BRN	P	20	20	24-20	TH1A	K1S	86-1S	DAK20B (STRAIGHT PROBE)	DRK20B (STRAIGHT SL* PROBE)
M39029/32-260	2-RED	6-BLU	0-BLK	S								
M39029/31-229	2-RED	2-RED	9-WHT	P	16	16	20-16			86-2	DAK16B (STRAIGHT PROBE)	DRK16B (STRAIGHT SL* PROBE)
M39029/32-248	2-RED	4-YEL	8-GRA	S								
M39029/31-235	2-RED	3-ORN	5-GRN	P	12	12	14-12				DAK12B (STRAIGHT PROBE)	DRK12B (STRAIGHT SL* PROBE)
M39029/32-254	2-RED	5-GRN	4-YEL	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
**SL denotes spring-loaded.*

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MIL-DTL-28748

Rack and Panel, Rectangular

CONNECTOR PART NUMBER	DESCRIPTION
M28748/3	PIN CONTACTS SIZE 16 AND 20
M28748/4	SOCKET CONTACTS SIZE 16 AND 20
M28748/9	PIN CONTACTS 16 POLARIZED CENTER SCREW LOCK
M28748/10	SOCKET CONTACTS 16 POLARIZED CENTER SCREW LOCK
M28748/13	PIN CONTACTS 22
M28748/14	SOCKET CONTACTS 22

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/34-440	4-YEL	4-YEL	0-BLK	P	22	22	26-22		K280		DAK123-22A (STRAIGHT PROBE)	DRK124-22A (STRAIGHT SPRING-LOADED PROBE)
M39029/35-441	4-YEL	4-YEL	1-BRN	S								
M39029/34-271	2-RED	7-VIO	1-BRN	P	20	20	24-20	TH4		86-146	DAK123A (STRAIGHT PROBE)	DRK124A (STRAIGHT SPRING-LOADED PROBE)
M39029/35-274	2-RED	7-VIO	4-YEL	S								
M39029/34-272	2-RED	7-VIO	2-RED	P	16	20	24-20					
M39029/35-275	2-RED	7-VIO	5-GRN	S								
M39029/34-273	2-RED	7-VIO	3-ORN	P		16	20-16					
M39029/35-276	2-RED	7-VIO	6-BLU	S								
M39029/36-277	2-RED	7-VIO	7-VIO	P		20	24-20					
M39029/37-279	2-RED	7-VIO	9-WHT	S								
M39029/36-278	2-RED	7-VIO	8-GRA	P		16	20-16					
M39029/37-280	2-RED	8-GRA	0-BLK	S								

MIL-DTL-28804

High Density, Polarized Center Jackscrew, Rectangular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M28804/1	NON-ENVIRONMENTAL RECEPTACLE (SOCKETS)
M28804/2	NON-ENVIRONMENTAL PLUG (PINS)
M28804/3	ENVIRONMENTAL RECEPTACLE (SOCKETS)
M28804/4	ENVIRONMENTAL PLUG (PINS)
M28804/5	ENVIRONMENTAL RECEPTACLE (SOCKETS) (POTTING TYPE)
M28804/6	ENVIRONMENTAL PLUG (PINS) (POTTING TYPE)

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
						AFM8	MH860	INSERTION	REMOVAL
M28804/9-1	N/A	P	22	22D	28-22	K473	86-193	M81969/1-04 (GREEN)	M81969/1-04 (WHITE)
M28804/10-1		S							

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MIL-DTL-28840

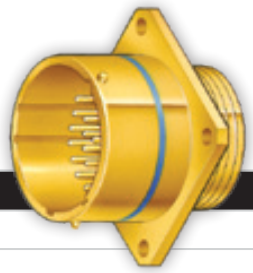
High Density – High Shock, Threaded Coupling,
Circular, Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M28840/10	WALL MOUNT RECEPTACLE
M28840/11	CABLE CONNECTING RECEPTACLE
M28840/12	BOX MOUNT RECEPTACLE
M28840/14	JAM NUT MOUNT RECEPTACLE
M28840/16	STRAIGHT PLUG
M28840/17	PLUG OPEN WIRE ASSEMBLY
M28840/18	PLUG OPEN WIRE ASSEMBLY 90° ELBOW
M28840/19	PLUG OPEN WIRE ASSEMBLY 45° ELBOW
M28840/20	WALL MOUNT ASSEMBLY STRAIGHT
M28840/21	CABLE CONVERTING ASSEMBLY STRAIGHT
M28840/26	PLUG ASSEMBLY STRAIGHT
M28840/28	PLUG ASSEMBLY 90° ELBOW
M28840/29	PLUG ASSEMBLY 45° ELBOW

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
								AFM8	39-000	INSERTION	REMOVAL
M39029/83-451	4-YEL	5-GRN	1-BRN	P	20	28	32-28	K534	39-102	DAK55-22SA (STRAIGHT SPRING-LOADED PROBE) OR DAK55-22JA (JOGGLED PROBE)	DRK56-22A (STRAIGHT SPRING-LOADED PROBE)
M39029/84-453	4-YEL	5-GRN	3-ORN	S							
M39029/83-450	4-YEL	5-GRN	0-BLK	P		22	26-22				
M39029/84-452	4-YEL	5-GRN	2-RED	S							
M39029/83-508	5-GRN	0-BLK	8-GRA	P		20	24-20				
M39029/84-509	5-GRN	0-BLK	9-WHT	S							

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MIL-DTL-38999
SERIES 1



Scoop Proof, Bayonet Coupling, Circular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS27466	WALL MOUNT FLANGE RECEPTACLE
MS27467	STRAIGHT PLUG
MS27468	JAM NUT MOUNT RECEPTACLE
MS27496	RECEPTACLE
MS27505	BOX MOUNT FLANGE RECEPTACLE
MS27656	BACK PANEL WALL MOUNT RECEPTACLE

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY				ASSEMBLY TOOLS	
						AF8	AFM8	MH860	1716P-1*	INSERTION	REMOVAL
M39029/58-360	3-ORN 6-BLU 0-BLK	P	22	22D	28-22		K42	86-6		DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/56-348	3-ORN 4-YEL 8-GRA	S					K40	86-4			
M39029/118-644	6-BLU 4-YEL 4-YEL	P					K42	86-6			
M39029/118-650	6-BLU 5-GRN 0-BLK	P									
M39029/117-632	6-BLU 3-ORN 2-RED	S					K40	86-4			
M39029/117-638	6-BLU 3-ORN 8-GRA	S									
M39029/58-361	3-ORN 6-BLU 1-BRN	P		22M	28-24		K42	86-6			
M39029/56-349	3-ORN 4-YEL 9-WHT	S					K40	86-4			
M39029/58-362	3-ORN 6-BLU 2-RED	P	22	22	26-22		K42	86-6		DAK95-22B (ANGLED TWEEZER) OR DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) OR DRK722-22 (OFFSET TWEEZER)
M39029/56-350	3-ORN 5-GRN 0-BLK	S					K40	86-4			
M39029/58-363	3-ORN 6-BLU 3-ORN	P	20	20	24-20	TH163	K43			DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/56-351	3-ORN 5-GRN 1-BRN	S									
M39029/118-646	6-BLU 4-YEL 6-BLU	P									
M39029/118-652	6-BLU 5-GRN 2-RED	P									
M39029/117-634	6-BLU 3-ORN 4-YEL	S						86-7			
M39029/117-640	6-BLU 4-YEL 0-BLK	S									
M39029/58-364	3-ORN 6-BLU 4-YEL	P	16	16	20-16			86-3		DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/56-352	3-ORN 5-GRN 2-RED	S									
M39029/118-647	6-BLU 4-YEL 7-VIO	P									
M39029/118-653	6-BLU 5-GRN 3-ORN	P									
M39029/117-635	6-BLU 3-ORN 5-GRN	S									
M39029/117-641	6-BLU 4-YEL 1-BRN	S									
M39029/58-365	3-ORN 6-BLU 5-GRN	P	12	12	14-12					DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/56-353	3-ORN 5-GRN 3-ORN	S									
M39029/118-648	6-BLU 4-YEL 8-GRA	P									
M39029/118-654	6-BLU 5-GRN 4-YEL	P									
M39029/117-636	6-BLU 3-ORN 6-BLU	S									
M39029/117-642	6-BLU 4-YEL 2-RED	S									
M39029/58-528	5-GRN 2-RED 8-GRA	P	10	10	10				AFFIXED TO HEAD	DAK95-10B (ANGLED TWEEZER) OR DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER)OR DRK722-10 (OFFSET TWEEZER)
M39029/56-527	5-GRN 2-RED 7-VIO	S									
M39029/118-649	6-BLU 4-YEL 9-WHT	P									
M39029/118-655	6-BLU 5-GRN 5-GRN	P									
M39029/117-637	6-BLU 3-ORN 7-VIO	S									
M39029/117-643	6-BLU 4-YEL 3-ORN	S									

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

**QPL Pending*

MIL-DTL-38999
SERIES 2

Low Silhouette, Bayonet Coupling, Circular, Rear Release Contacts

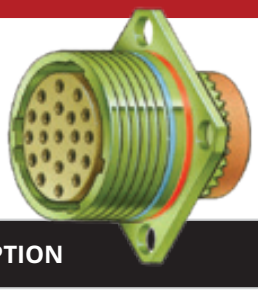
CONNECTOR PART NUMBER	DESCRIPTION
MS27472	WALL MOUNT FLANGE RECEPTACLE
MS27473	STRAIGHT PLUG
MS27474	JAM NUT MOUNT RECEPTACLE
MS27499	BOX MOUNT RECEPTACLE
MS27508	BOX MOUNT FLANGE RECEPTACLE
MS27497	BACK PANEL WALL MOUNT RECEPTACLE
MS27484	RFI PLUG

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/58-360	3-ORN	6-BLU	0-BLK	P	22	22D	28-22		K42	86-6	DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/57-354	3-ORN	5-GRN	4-YEL	S					K41	86-5		
M39029/58-361	3-ORN	6-BLU	1-BRN	P		22M	28-24		K42	86-6		
M39029/57-355	3-ORN	5-GRN	5-GRN	S					K41	86-5		
M39029/58-362	3-ORN	6-BLU	2-RED	P		22	26-22		K42	86-6	DAK95-22B (ANGLED TWEEZER) OR DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) OR DRK722-22 (OFFSET TWEEZER)
M39029/57-356	3-ORN	5-GRN	6-BLU	S					K41	86-5		
M39029/58-363	3-ORN	6-BLU	3-ORN	P	20	20	24-20	TH163	K43	86-7	DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/57-357	3-ORN	5-GRN	7-VIO	S								
M39029/58-364	3-ORN	6-BLU	4-YEL	P	16	16	20-16			86-3	DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/57-358	3-ORN	5-GRN	8-GRA	S								
M39029/58-365	3-ORN	6-BLU	5-GRN	P	12	12	14-12				DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/57-359	3-ORN	5-GRN	9-WHT	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MIL-DTL-38999
SERIES 3



Tri-Start Coupling, Circular, Rear Release Contacts

CONNECTOR P/N	DESCRIPTION
D38999/20	WALL MOUNT FLANGE RECEPTACLE
D38999/24	JAM NUT MOUNT RECEPTACLE
D38999/26	STRAIGHT PLUG
D38999/29	LANYARD RELEASE PLUG (PIN CONTACTS ONLY)

CONNECTOR P/N	DESCRIPTION
D38999/30	LANYARD RELEASE PLUG (SOCKET CONTACTS ONLY)
D38999/31	LANYARD RELEASE PLUG (PIN CONTACTS ONLY)
D38999/34	JAM NUT RECEPTACLE (SOCKET CONTACTS ONLY)
D38999/35	WALL MOUNT RECEPTACLE (SOCKET CONTACTS ONLY)

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY				ASSEMBLY TOOLS	
								AF8	AFM8	MH860	1716P-1*	INSERTION	REMOVAL
M39029/58-360	3-ORN	6-BLU	0-BLK	P	22	22D	28-22		K42	86-6		DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/56-348	3-ORN	4-YEL	8-GRA	S					K40	86-4			
M39029/118-644	6-BLU	4-YEL	4-YEL	P					K42	86-6			
M39029/118-650	6-BLU	5-GRN	0-BLK	P									
M39029/117-632	6-BLU	3-ORN	2-RED	S					K40	86-4			
M39029/117-638	6-BLU	3-ORN	8-GRA	S									
M39029/58-361	3-ORN	6-BLU	1-BRN	P		22M	28-24		K42	86-6			
M39029/56-349	3-ORN	4-YEL	9-WHT	S					K40	86-4			
M39029/58-362	3-ORN	6-BLU	2-RED	P	22	22	26-22		K42	86-6		DAK95-22B (ANGLED TWEEZER) OR DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) OR DRK722-22 (OFFSET TWEEZER)
M39029/56-350	3-ORN	5-GRN	0-BLK	S					K40	86-4			
M39029/58-363	3-ORN	6-BLU	3-ORN	P	20	20	24-20	TH163	K43			DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/56-351	3-ORN	5-GRN	1-BRN	S									
M39029/118-646	6-BLU	4-YEL	6-BLU	P									
M39029/118-652	6-BLU	5-GRN	2-RED	P									
M39029/117-634	6-BLU	3-ORN	4-YEL	S						86-7			
M39029/117-640	6-BLU	4-YEL	0-BLK	S									
M39029/58-364	3-ORN	6-BLU	4-YEL	P	16	16	20-16			86-3		DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/56-352	3-ORN	5-GRN	2-RED	S									
M39029/118-647	6-BLU	4-YEL	7-VIO	P									
M39029/118-653	6-BLU	5-GRN	3-ORN	P									
M39029/117-635	6-BLU	3-ORN	5-GRN	S									
M39029/117-641	6-BLU	4-YEL	1-BRN	S									
M39029/58-365	3-ORN	6-BLU	5-GRN	P	12	12	14-12					DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/56-353	3-ORN	5-GRN	3-ORN	S									
M39029/118-648	6-BLU	4-YEL	8-GRA	P									
M39029/118-654	6-BLU	5-GRN	4-YEL	P									
M39029/117-636	6-BLU	3-ORN	6-BLU	S									
M39029/117-642	6-BLU	4-YEL	2-RED	S									
M39029/58-528	5-GRN	2-RED	8-GRA	P	10	10	10				AFFIXED TO HEAD	DAK95-10B (ANGLED TWEEZER) OR DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER)OR DRK722-10 (OFFSET TWEEZER)
M39029/56-527	5-GRN	2-RED	7-VIO	S									
M39029/118-649	6-BLU	4-YEL	9-WHT	P									
M39029/118-655	6-BLU	5-GRN	5-GRN	P									
M39029/117-637	6-BLU	3-ORN	7-VIO	S									
M39029/117-643	6-BLU	4-YEL	3-ORN	S									

**QPL Pending*

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY				ASSEMBLY TOOLS	
								AF8	AFM8	MH860	1716P-1*	INSERTION	REMOVAL
M39029/122-669	6-BLU	6-BLU	9-WHT	P	23	26	32-28		K338			M81969/1-05 (YELLOW)	M81969/1-05 (WHITE)
M39029/121-662	6-BLU	6-BLU	2-RED	S					K339				
M39029/122-670	6-BLU	7-VIO	0-BLK	P		22	28-22		K338				
M39029/121-663	6-BLU	6-BLU	3-ORN	S					K339				
M39029/122-671	6-BLU	7-VIO	1-BRN	P	22	22D	28-22		K42	86-6		DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/121-664	6-BLU	6-BLU	4-YEL	S					K40	86-4			
M39029/122-672	6-BLU	7-VIO	2-RED	P	20	20	24-20	TH163	K43	86-7		DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/121-665	6-BLU	6-BLU	5-GRN	S									
M39029/122-673	6-BLU	7-VIO	3-ORN	P	16	16	20-16			86-3		DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/121-666	6-BLU	6-BLU	6-BLU	S									
M39029/122-674	6-BLU	7-VIO	4-YEL	P	12	12	14-12					DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/121-667	6-BLU	6-BLU	7-VIO	S									
M39029/122-675	6-BLU	7-VIO	5-GRN	P	10	10	12-10				AFFIXED TO HEAD	DAK95-10B (ANGLED TWEEZER) OR DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER) OR DRK722-10 (OFFSET TWEEZER)
M39029/121-668	6-BLU	6-BLU	8-GRA	S									

**QPL Pending*
For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
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MIL-STD-1760

(MIL-DTL-38999 - SERIES 3 VARIATION)

POWER CONTACTS													
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY				INSERTION	REMOVAL
								AF8	AFM8	MH860	1716P-1*		
M39029/58-363	3-ORN	6-BLU	3-ORN	P	20	20	24-20	TH163	K43	86-7		DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/56-351	3-ORN	5-GRN	1-BRN	S									
M39029/58-364	3-ORN	6-BLU	4-YEL	P	16	16	20-16			86-3		DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/56-352	3-ORN	5-GRN	2-RED	S									
M39029/58-528	5-GRN	2-RED	8-GRA	P	10	10	10				AFFIXED TO TOOL	DAK95-10B (ANGLED TWEEZER) OR DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER)OR DRK722-10 (OFFSET TWEEZER)
M39029/56-527	5-GRN	2-RED	7-VIO	S									

**QPL Pending*

#8 TWINAX (DATA BUS) CONTACTS										
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	INNER CRIMP TOOL AND POSITIONER		MIDDLE CRIMP TOOL AND DIE SET	OUTER CRIMP TOOL AND DIE SET	INSERTION	REMOVAL
						AFM8	MH860	HX4	HX4		
M39029/90-529	5-GRN	2-RED	9-WHT	P	8 TWINAX	K709		Y631 (CAVITY B)	Y631 (CAVITY A)	DAK95-8B (ANGLED TWEEZER) OR DAK722-8 (OFFSET TWEEZER)	DRK95-8B (ANGLED TWEEZER) OR DRK722-8 (OFFSET TWEEZER)
M39029/90-529 (ALTERNATE PRE-ASSEMBLED DESIGN)							86-19		Y631 AND Y207P		
M39029/91-530	5-GRN	3-ORN	0-BLK	S		K709		Y631 (CAVITY B)	Y631 (CAVITY A)		
M39029/91-530 (ALTERNATE PRE-ASSEMBLED DESIGN)							86-19		Y631 AND Y207P		
M39029/113-625	6-BLU	2-RED	5-GRN	P		K709		Y631 (CAVITY B)	Y631 (CAVITY A)		
M39029/114-628	6-BLU	2-RED	8-GRA	S							

Insertion and removal of contacts in MIL-STD-1760 applications require the use of straight tools due to the restricted access of lanyard release connectors.
SAE-AS39029/115 AND SAE-AS39029/116 are proposed unpublished specs.

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#12 COAXIAL AND SHIELDED CONTACTS										
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	INNER CRIMP TOOL AND POSITIONER		OUTER CRIMP TOOL AND ACCESSORY		INSERTION	REMOVAL
						AFM8	MH992	HX4	GS200-1		
M39029/102-558	5-GRN	5-GRN	8-GRA	P	12 COAXIAL	K1430 *	K1303S** K1360 ***	Y196 (CAVITY A)		DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/103-559	5-GRN	5-GRN	9-WHT	S		K1457 *	K1304 ** K1360 ***				
M39029/28-211	2-RED	1-BRN	1-BRN	P	12 SHIELDED	K323			G2P330		
M39029/28-409	4-YEL	0-BLK	9-WHT								
M39029/28-410	4-YEL	1-BRN	0-BLK								
M39029/28-411	4-YEL	1-BRN	1-BRN								
M39029/28-412	4-YEL	1-BRN	2-RED								
M39029/28-413	4-YEL	1-BRN	3-ORN								
M39029/28-414	4-YEL	1-BRN	4-YEL								
M39029/28-415	4-YEL	1-BRN	5-GRN								
M39029/75-416	4-YEL	1-BRN	6-BLU	S							
M39029/75-417	4-YEL	1-BRN	7-VIO								
M39029/75-418	4-YEL	1-BRN	8-GRA								
M39029/75-419	4-YEL	1-BRN	9-WHT								
M39029/75-420	4-YEL	2-RED	0-BLK								
M39029/75-421	4-YEL	2-RED	1-BRN								
M39029/75-422	4-YEL	2-RED	2-RED								
M39029/75-423	4-YEL	2-RED	3-ORN								

** For Tri-Star Contacts ** For Deutsch Contacts *** For Amphenol Contacts*

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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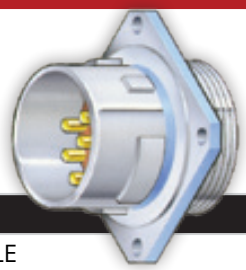
MIL-DTL-38999
SERIES 4



Breech Lock Coupling, Circular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
D38999/40	WALL MOUNT FLANGE RECEPTACLE
D38999/42	BOX MOUNT FLANGE RECEPTACLE
D38999/44	JAM NUT MOUNT RECEPTACLE
D38999/46	STRAIGHT PLUG
D38999/47	STRAIGHT PLUG
D38999/49	CABLE MOUNT RECEPTACLE

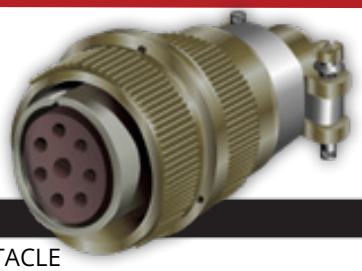
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY				ASSEMBLY TOOLS	
								AF8	AFM8	MH860	1716P-1*	INSERTION	REMOVAL
M39029/58-360	3-ORN	6-BLU	0-BLK	P	22	22D	28-22		K42	86-6		DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/56-348	3-ORN	4-YEL	8-GRA	S					K40	86-4			
M39029/118-644	6-BLU	4-YEL	4-YEL	P					K42	86-6			
M39029/118-650	6-BLU	5-GRN	0-BLK	P									
M39029/117-632	6-BLU	3-ORN	2-RED	S					K40	86-4			
M39029/117-638	6-BLU	3-ORN	8-GRA	S									
M39029/58-361	3-ORN	6-BLU	1-BRN	P		22M	28-24		K42	86-6			
M39029/56-349	3-ORN	4-YEL	9-WHT	S					K40	86-4			
M39029/58-362	3-ORN	6-BLU	2-RED	P	22	22	26-22		K42	86-6		DAK95-22B (ANGLED TWEEZER) OR DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) OR DRK722-22 (OFFSET TWEEZER)
M39029/56-350	3-ORN	5-GRN	0-BLK	S					K40	86-4			
M39029/58-363	3-ORN	6-BLU	3-ORN	P	20	20	24-20	TH163	K43			DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/56-351	3-ORN	5-GRN	1-BRN	S									
M39029/118-646	6-BLU	4-YEL	6-BLU	P									
M39029/118-652	6-BLU	5-GRN	2-RED	P									
M39029/117-634	6-BLU	3-ORN	4-YEL	S						86-7			
M39029/117-640	6-BLU	4-YEL	0-BLK	S									
M39029/58-364	3-ORN	6-BLU	4-YEL	P	16	16	20-16			86-3		DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/56-352	3-ORN	5-GRN	2-RED	S									
M39029/118-647	6-BLU	4-YEL	7-VIO	P									
M39029/118-653	6-BLU	5-GRN	3-ORN	P									
M39029/117-635	6-BLU	3-ORN	5-GRN	S									
M39029/117-641	6-BLU	4-YEL	1-BRN	S									
M39029/58-365	3-ORN	6-BLU	5-GRN	P	12	12	14-12					DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/56-353	3-ORN	5-GRN	3-ORN	S									
M39029/118-648	6-BLU	4-YEL	8-GRA	P									
M39029/118-654	6-BLU	5-GRN	4-YEL	P									
M39029/117-636	6-BLU	3-ORN	6-BLU	S									
M39029/117-642	6-BLU	4-YEL	2-RED	S									
M39029/58-528	5-GRN	2-RED	8-GRA	P	10	10	10				AFFIXED TO HEAD	DAK95-10B (ANGLED TWEEZER) OR DAK722-10 (OFFSET TWEEZER)	DRK95-10B (ANGLED TWEEZER)OR DRK722-10 (OFFSET TWEEZER)
M39029/56-527	5-GRN	2-RED	7-VIO	S									
M39029/118-649	6-BLU	4-YEL	9-WHT	P									
M39029/118-655	6-BLU	5-GRN	5-GRN	P									
M39029/117-637	6-BLU	3-ORN	7-VIO	S									
M39029/117-643	6-BLU	4-YEL	3-ORN	S									

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

**QPL Pending*

SAE-AS50151

(FORMERLY SAE-AS50151) - SERIES 3400



Threaded Coupling, Circular, Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS3400 (SAE-AS34001)	WALL MOUNT RECEPTACLE
MS3401 (SAE-AS34011)	CABLE CONNECTING RECEPTACLE
MS3402 (SAE-AS34021)	BOX MOUNT RECEPTACLE
MS3404 (SAE-AS34041)	JAM NUT MOUNT RECEPTACLE
MS3406 (SAE-AS34061)	STRAIGHT PLUG
MS3408 (SAE-AS34081)	PLUG 90°
MS3409 (SAE-AS34091)	PLUG 45°
MS3412 (SAE-AS34121)	WALL MOUNT RECEPTACLE (AN TYPE)

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
								AF8	WA23	INSERTION	REMOVAL
M39029/44-287	2-RED	8-GRA	7-VIO	P	16	22	26-22	TH1A		DAK83S-20 (STRAIGHT PROBE)	DRK16B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-294	2-RED	9-WHT	4-YEL	S							
M39029/44-288	2-RED	8-GRA	8-GRA	P		16	20-16			DAK16B (STRAIGHT PROBE)	
M39029/45-295	2-RED	9-WHT	5-GRN	S							
M39029/44-289	2-RED	8-GRA	9-WHT	P	12						DRK12B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-296	2-RED	9-WHT	6-BLU	S							
M39029/44-290	2-RED	9-WHT	0-BLK	P		12	14-12			DAK12B (STRAIGHT PROBE)	
M39029/45-297	2-RED	9-WHT	7-VIO	S							
M39029/44-291	2-RED	9-WHT	1-BRN	P	8	8	10-8		WA23-2 (DIE) AND WA23-9 (LOCATOR)	DAK55-8B (STRAIGHT PROBE)	DRK56-8B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-298	2-RED	9-WHT	8-GRA	S							
M39029/44-292	2-RED	9-WHT	2-RED	P	4	4	6-4		WA23-4 (DIE) AND WA23-11 (LOCATOR)	DAK55-4B (STRAIGHT PROBE)	DRK56-4B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-299	2-RED	9-WHT	9-WHT	S							
M39029/44-293	2-RED	9-WHT	3-ORN	P	1/0	1/0	2-0		WA23-5 (DIE) AND WA23-13 (LOCATOR)	DAK55-0B (STRAIGHT PROBE)	DRK56-0B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-300	3-ORN	0-BLK	0-BLK	S							

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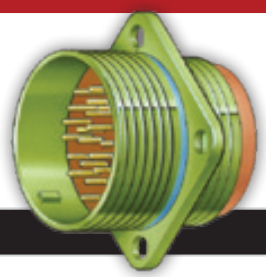
SAE-AS50151
(FORMERLY SAE-AS50151) - SERIES 3450



Threaded Coupling, Circular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
MS3450 (SAE-AS34501)	WALL MOUNT RECEPTACLE
MS3451 (SAE-AS34511)	CABLE CONNECTING RECEPTACLE
MS3452 (SAE-AS34521)	BOX MOUNT RECEPTACLE
MS3454 (SAE-AS34541)	JAM NUT MOUNT RECEPTACLE
MS3456 (SAE-AS34561)	STRAIGHT PLUG
MS3459 (SAE-AS34591)	SELF-LOCK COUPLING PLUG

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	MH860	WA23	INSERTION	REMOVAL
M39029/29-212	2-RED	1-BRN	2-RED	P	16	16	20-16	TH1A	86-2		DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/30-218	2-RED	1-BRN	8-GRA	S								
M39029/29-213	2-RED	1-BRN	3-ORN	P	12	12	14-12				DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/30-219	2-RED	1-BRN	9-WHT	S								
M39029/29-214	2-RED	1-BRN	4-YEL	P	8	8	8			WA23-2 (DIE) AND WA23-9 (LOCATOR)	NOT REQUIRED	DRK250-8 (PLIERS) OR M81969/14-06 (RED)
M39029/30-220	2-RED	2-RED	0-BLK	S								
M39029/29-215	2-RED	1-BRN	5-GRN	P	4	4	4			WA23-4 (DIE) AND WA23-11 (LOCATOR)		DRK250-4 (PLIERS) OR M81969/14-07 (BLUE)
M39029/30-221	2-RED	2-RED	1-BRN	S								
M39029/29-216	2-RED	1-BRN	6-BLU	P	1/0	1/0	0			WA23-5 (DIE) AND WA23-13 (LOCATOR)		DRK250-0 (PLIERS) OR M81969/14-08 (YELLOW)
M39029/30-222	2-RED	2-RED	2-RED	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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SAE-AS81511
SERIES 1

Scoop Proof, Bayonet Coupling, Circular, Front Release Contacts

CLASS A/F/E/W		CLASS C/T/P	
CONNECTOR P/N	DESCRIPTION	CONNECTOR P/N	DESCRIPTION
M81511/21	FLANGE MOUNT RECEPTACLE	M81511/35	FLANGE MOUNT RECEPTACLE
M81511/23	JAM NUT RECEPTACLE	M81511/36	JAM NUT RECEPTACLE
M81511/25	CABLE CONNECTING RECEPTACLE	M81511/37	CABLE CONNECTING RECEPTACLE
M81511/26	STRAIGHT PLUG	M81511/38	STRAIGHT PLUG

**Scoop-proof when pins are installed in the receptacle, but not when pins are installed in the plug.*

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/47-312	3-ORN	1-BRN	2-RED	P	23	28	32-28		K60S		DAK126-23A (STRAIGHT PROBE)	DRK125-23A (STRAIGHT PROBE)
M39029/33-262	2-RED	6-BLU	2-RED	S								DRK129-23A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-314	3-ORN	1-BRN	4-YEL	P		22	26-22					DRK125-23A (STRAIGHT PROBE)
M39029/33-264	2-RED	6-BLU	4-YEL	S								DRK129-23A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-316	3-ORN	1-BRN	6-BLU	P	20	20	24-20	TH199S		86-11S	DAK126-20A (STRAIGHT PROBE)	DRK125-20A (STRAIGHT PROBE)
M39029/33-266	2-RED	6-BLU	6-BLU	S								DRK129-20A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-337	3-ORN	3-ORN	7-VIO	P	16	16	20-16			86-12S	DAK126-16A (STRAIGHT PROBE)	DRK125-16A (STRAIGHT PROBE)
M39029/33-268	2-RED	6-BLU	8-GRA	S								DRK129-16A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-339	3-ORN	3-ORN	9-WHT	P	12	12	14-12				DAK126-12A (STRAIGHT PROBE)	DRK125-12A (STRAIGHT PROBE)
M39029/33-270	2-RED	7-VIO	0-BLK	S								DRK129-12A (STRAIGHT SPRING-LOADED PROBE)

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

SAE-AS81511
SERIES 2

50% Scoop Proof, Bayonet Coupling, Circular, Front Release Contacts

CLASS A/F/E/W		CLASS C/T/P	
CONNECTOR P/N	DESCRIPTION	CONNECTOR P/N	DESCRIPTION
M81511/1	FLANGE MOUNT RECEPTACLE	M81511/31	FLANGE MOUNT RECEPTACLE
M81511/3	JAM NUT RECEPTACLE	M81511/32	JAM NUT RECEPTACLE
M81511/5	CABLE CONNECTING RECEPTACLE	M81511/33	CABLE CONNECTING RECEPTACLE
M81511/6	STRAIGHT PLUG	M81511/34	STRAIGHT PLUG

**Scoop-proof when pins are installed in the receptacle, but not when pins are installed in the plug.*

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/47-312	3-ORN	1-BRN	2-RED	P	23	28	32-28		K60S		DAK126-23A (STRAIGHT PROBE)	DRK125-23A (STRAIGHT PROBE)
M39029/46-302	3-ORN	0-BLK	2-RED	S								DRK129-23A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-314	3-ORN	1-BRN	4-YEL	P		22	26-22					DRK125-23A (STRAIGHT PROBE)
M39029/46-304	3-ORN	0-BLK	4-YEL	S								DRK129-23A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-316	3-ORN	1-BRN	6-BLU	P	20	20	24-20	TH199S		86-11S	DAK126-20A (STRAIGHT PROBE)	DRK125-20A (STRAIGHT PROBE)
M39029/46-306	3-ORN	0-BLK	6-BLU	S								DRK129-20A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-337	3-ORN	3-ORN	7-VIO	P	16	16	20-16			86-12S	DAK126-16A (STRAIGHT PROBE)	DRK125-16A (STRAIGHT PROBE)
M39029/46-308	3-ORN	0-BLK	8-GRA	S								DRK129-16A (STRAIGHT SPRING-LOADED PROBE)
M39029/47-339	3-ORN	3-ORN	9-WHT	P	12	12	14-12				DAK126-12A (STRAIGHT PROBE)	DRK125-12A (STRAIGHT PROBE)
M39029/46-310	3-ORN	1-BRN	0-BLK	S								DRK129-12A (STRAIGHT SPRING-LOADED PROBE)

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

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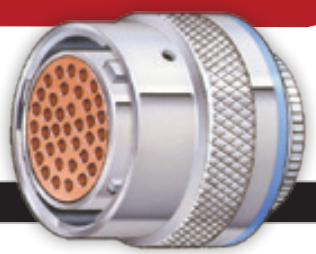
SAE-AS81511
SERIES 3



CLASS A/F/W, Scoop Proof, Circular, Rear Release Contacts

CONNECTOR P/N	DESCRIPTION
M81511/41	FLANGE MOUNT RECEPTACLE
M81511/45	CABLE CONNECTING RECEPTACLE
M81511/46	STRAIGHT PLUG
M81511/49	JAM NUT RECEPTACLE

**Scoop-proof when pins are installed in either the plug or the receptacle. Plugs contain the grounding spring members.*

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
						AF8	AFM8	INSERTION	REMOVAL
M39029/18-176	1-BRN 7-VIO 6-BLU	P	23	28	32-28		K338	M81969/16-04 (GREEN)	M81969/16-04 (WHITE)
M39029/17-171	1-BRN 7-VIO 1-BRN	S					K339		
M39029/18-177	1-BRN 7-VIO 7-VIO	P		22	28-22		K338		
M39029/17-172	1-BRN 7-VIO 2-RED	S					K339		
M39029/18-178	1-BRN 7-VIO 8-GRA	P	20	20	24-20		K340	M81969/16-01 (RED)	M81969/16-01 (WHITE)
M39029/17-173	1-BRN 7-VIO 3-ORN	S					K342		
M39029/18-179	1-BRN 7-VIO 9-WHT	P	16	16	20-16		K341	M81969/16-02 (BLUE)	M81969/16-02 (WHITE)
M39029/17-174	1-BRN 7-VIO 4-YEL	S					K343		
M39029/18-180	1-BRN 8-GRA 0-BLK	P	12	12	14-12	TP360		M81969/16-03 (YELLOW)	M81969/16-03 (WHITE)
M39029/17-175	1-BRN 7-VIO 5-GRN	S				TP365			

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

SAE-AS81511
SERIES 4

CLASS A/F/W/500/0, Scoop Proof, Circular, Rear Release Contacts

CONNECTOR P/N	DESCRIPTION
M81511/51	FLANGE MOUNT RECEPTACLE
M81511/53	CABLE CONNECTING RECEPTACLE
M81511/55	STRAIGHT PLUG
M81511/56	JAM NUT RECEPTACLE

**Scoop-proof when pins are installed in either the plug or the receptacle. Plugs contain the grounding spring members.*

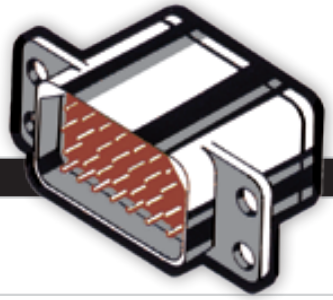
CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
						AF8	AFM8	INSERTION	REMOVAL
M39029/18-176	1-BRN 7-VIO 6-BLU	P	23	28	32-28		K338	M81969/16-04 (GREEN)	M81969/16-04 (WHITE)
M39029/16-166	1-BRN 6-BLU 6-BLU	S							
M39029/18-177	1-BRN 7-VIO 7-VIO	P		22	28-22				
M39029/16-167	1-BRN 6-BLU 7-VIO	S							
M39029/18-178	1-BRN 7-VIO 8-GRA	P	20	20	24-20		K340	M81969/16-01 (RED)	M81969/16-01 (WHITE)
M39029/16-168	1-BRN 6-BLU 8-GRA	S							
M39029/18-179	1-BRN 7-VIO 9-WHT	P	16	16	20-16		K341	M81969/16-02 (BLUE)	M81969/16-02 (WHITE)
M39029/16-169	1-BRN 6-BLU 9-WHT	S							
M39029/18-180	1-BRN 8-GRA 0-BLK	P	12	12	14-12	TP360		M81969/16-03 (YELLOW)	M81969/16-03 (WHITE)
M39029/16-170	1-BRN 7-VIO 0-BLK	S							

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

SAE-AS81659

SERIES 2 (ARINC 404)

Rectangular, Rear Release Contacts



CONNECTOR PART NUMBER	DESCRIPTION
M81659/29 THRU M81659/72	RECEPTACLE OR PLUG, TYPE 2, 3 AND 4 CLASS 1 AND 2 SHELL DESIGNATOR A OR B

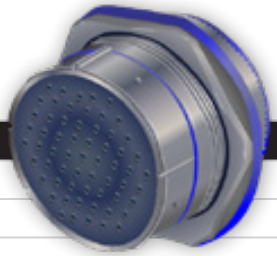
CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/11-144	1-BRN	4-YEL	4-YEL	P	22	22	26-22		K267-1		M81969/1-01 (GREEN)	M81969/1-01 (WHITE)
M39029/14-128	1-BRN	4-YEL	8-GRA	S								
M39029/11-145	1-BRN	4-YEL	5-GRN	P	20	20	24-20		K13-1	86-30-1	M81969/1-02 (RED)	M81969/1-02 (WHITE)
M39029/14-129	1-BRN	4-YEL	9-WHT	S								
M39029/11-146	1-BRN	4-YEL	6-BLU	P	16	16	20-16	TH1A		86-2	M81969/1-03 (BLUE)	M81969/1-03 (WHITE)
M39029/12-150	1-BRN	5-GRN	0-BLK	S								
M39029/11-147	1-BRN	4-YEL	7-VIO	P	12	12	14-12	TP465			M81969/14-04 (YELLOW)	M81969/14-04 (WHITE) OR DRK337* (STRAIGHT SPRING-LOADED PROBE)
M39029/12-151	1-BRN	5-GRN	1-BRN	S								

**Not on QPL - Functional Equivalent for M81969/28-02*

SAE-AS81703

SERIES 3, CLASS E AND L

Rack and Panel Or Push Pull Coupling, Circular, Rear Release Contacts



CONNECTOR PART NUMBER	DESCRIPTION
MS3424	WALL MOUNT RECEPTACLE
MS3446	RACK AND PANEL PLUG
MS3464	JAM NUT RECEPTACLE
MS3467	STRAIGHT PLUG
MS3468	STRAIGHT PLUG, LANYARD RELEASE

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/4-110	1-BRN	1-BRN	0-BLK	P	20	20	24-20	TH1A	K1S	86-1S	DAK83-20B (ANGLED TWEEZER)	DRK83-20B (ANGLED TWEEZER)
M39029/5-115	1-BRN	1-BRN	5-GRN	S								
M39029/4-112	1-BRN	1-BRN	2-RED	P	16					86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/5-117	1-BRN	1-BRN	7-VIO	S								
M39029/4-111	1-BRN	1-BRN	1-BRN	P		16	20-16					
M39029/5-116	1-BRN	1-BRN	6-BLU	S								
M39029/4-114	1-BRN	1-BRN	4-YEL	P	12						DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/5-119	1-BRN	1-BRN	9-WHT	S								
M39029/4-113	1-BRN	1-BRN	3-ORN	P		12	14-12					
M39029/5-118	1-BRN	1-BRN	8-GRA	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".
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SAE-AS81714
SERIES 1

Terminal Junctions Pin Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M81714/1	BUSSING MODULES, FEEDBACK TYPE, SIZE 22
M81714/2	BUSSING MODULES, FEEDBACK TYPE, SIZE 20
M81714/3	BUSSING MODULES, FEEDBACK TYPE, SIZE 16
M81714/4	BUSSING MODULES, FEEDBACK TYPE, SIZE 12
M81714/6	BUSSING MODULES, FEED THRU TYPE, SIZE 22
M81714 /7	BUSSING MODULES, FEED THRU TYPE, SIZE 20
M81714/8	BUSSING MODULES, FEED THRU TYPE, SIZE 16
M81714/9	BUSSING MODULES, FEED THRU TYPE, SIZE 12
M81714/11	WIRE IN-LINE JUNCTIONS, SINGLE
M81714/12	WIRE IN-LINE JUNCTIONS, DOUBLE
M81714/15	GROUNDING STUD
M81714/17	BUSSING MODULES, FEEDBACK TYPE, SIZE 22D
M81714/21	ELECTRONIC, IN-LINE JUNCTIONS
M81714/22	ELECTRONIC, IN-LINE JUNCTIONS
M81714/23	ELECTRONIC, IN-LINE JUNCTIONS
M81714/24	ELECTRONIC, IN-LINE JUNCTIONS, DOUBLE
M81714/25	ELECTRONIC, FEEDBACK TYPE, SIZE 20
M81714/26	ELECTRONIC, DIODE, FEEDBACK TYPE, SIZE 20
M81714/27	GROUNDING MODULES, STUD
M81714/28	GROUNDING MODULE, INTEGRAL BRACKET

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
								AF8	AFM8	INSERTION	REMOVAL
M39029/1-507	5-GRN	0-BLK	7-VIO	P	20	22D	28-22		K496	DAK95-22MB (ANGLED) OR DAK722-22D (OFFSET)	DRK95-22MB (ANGLED) OR DRK722-22D (OFFSET)
M39029/1-100	1-BRN	0-BLK	0-BLK		16	22	26-22		K287	DAK83-20B (ANGLED) OR DAK95-20B (ANGLED) OR DAK722-20 (OFFSET)	DRK83-20B (ANGLED) OR DRK95-20B (ANGLED) OR DRK722-20 (OFFSET)
M39029/1-101	1-BRN	0-BLK	1-BRN			20	24-20	TH1A			
M39029/1-102	1-BRN	0-BLK	2-RED		14	16	20-16			DAK83-16B (ANGLED) OR DAK95-16B (ANGLED) OR DAK722-16 (OFFSET)	DRK83-16B (ANGLED) OR DRK95-16B (ANGLED) OR DRK722-16 (OFFSET)
M39029/1-103	1-BRN	0-BLK	3-ORN		12	12	14-12			DAK83-12B (ANGLED) OR DAK95-12B (ANGLED) OR DAK722-12 (OFFSET)	DRK83-12B (ANGLED) OR DRK95-12B (ANGLED) OR DRK722-12 (OFFSET)

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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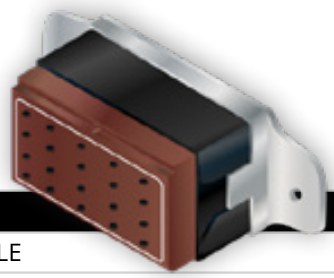
SAE-AS81714
SERIES 2



Terminal Junctions Socket Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M81714/60	FEEDBACK TYPE, BUSSING MODULE
M81714/61	FEEDBACK TYPE, BUSSING MODULES
M81714/63	STUD/FLANGE MOUNTED, SECTIONAL, GROUNDING MODULES
M81714/64	GROUNDING STUD
M81714/65	IN-LINE WIRE JUNCTIONS

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/22-190	1-BRN	9-WHT	0-BLK	S	22	28	32-28	TH343-1	K330-2	86-19	DAK95-22MB (ANGLED TWEEZER) OR DAK722-22D (OFFSET TWEEZER)	DRK95-22MB (ANGLED TWEEZER) OR DRK722-22D (OFFSET TWEEZER)
M39029/22-191	1-BRN	9-WHT	1-BRN			22	26-22				DAK95-22B (ANGLED TWEEZER) OR DAK722-22 (OFFSET TWEEZER)	DRK95-22B (ANGLED TWEEZER) OR DRK722-22 (OFFSET TWEEZER)
M39029/22-192	1-BRN	9-WHT	2-RED		20	20	24-20		K503*	86-20	DAK83-20B (ANGLED TWEEZER) OR DAK95-20B (ANGLED TWEEZER) OR DAK722-20 (OFFSET TWEEZER)	DRK83-20B (ANGLED TWEEZER) OR DRK95-20B (ANGLED TWEEZER) OR DRK722-20 (OFFSET TWEEZER)
M39029/22-193	1-BRN	9-WHT	3-ORN		16	16	20-16			86-21	DAK83-16B (ANGLED TWEEZER) OR DAK95-16B (ANGLED TWEEZER) OR DAK722-16 (OFFSET TWEEZER)	DRK83-16B (ANGLED TWEEZER) OR DRK95-16B (ANGLED TWEEZER) OR DRK722-16 (OFFSET TWEEZER)
M39029/22-605	6-BLU	0-BLK	5-GRN		12	12	14-12				DAK83-12B (ANGLED TWEEZER) OR DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK83-12B (ANGLED TWEEZER) OR DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)

**The K503 is not referenced on AS39029/22, REV F specification; however, it is suitable replacement tool for M39029/22-192.*

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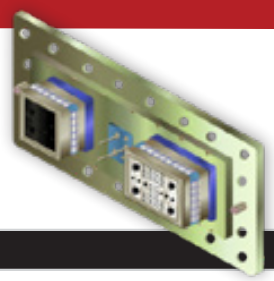
MIL-DTL-83527
(ARINC 600)



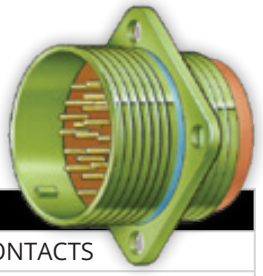
Rack and Panel, Rectangular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M83527/1 THRU M83527/6	RECEPTACLE OR PLUG SHELL SIZE 2, 3, 4

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/93-597	5-GRN	9-WHT	7-VIO	P	22	22	26-22		K267-1		M81969/1-01 (GREEN)	M81969/1-01 (WHITE)
M39029/94-601	6-BLU	0-BLK	1-BRN	S								
M39029/93-598	5-GRN	9-WHT	8-GRA	P	20	20	24-20		K13-1	86-1S	M81969/1-02 (RED)	M81969/1-02 (WHITE)
M39029/94-602	6-BLU	0-BLK	2-RED	S								
M39029/93-539	5-GRN	3-ORN	9-WHT	P	16	16	20-16	TH1A		86-2	M81969/1-03 (BLUE)	M81969/1-03 (WHITE)
M39029/94-603	6-BLU	0-BLK	3-ORN	S								
M39029/93-540	5-GRN	4-YEL	0-BLK	P	12	12	14-12	TP465			N/A	DRK337* (STRAIGHT SPRING-LOADED PROBE)
M39029/94-604	6-BLU	0-BLK	4-YEL	S								

**Not on QPL - Functional Equivalent for M81969/28-02*
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MIL-DTL-83723
SERIES 2



Threaded Coupling, Circular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M83723/17 (SUPERSEDED BY SAE-AS34511)	CABLE CONNECTING RECEPTACLE SOCKET CONTACTS
M83723/18 (SUPERSEDED BY SAE-AS34511)	CABLE CONNECTING RECEPTACLE PIN CONTACTS
M83723/19 (SUPERSEDED BY SAE-AS34501)	WALL MOUNT RECEPTACLE SOCKET CONTACTS
M83723/20 (SUPERSEDED BY SAE-AS34501)	WALL MOUNT RECEPTACLE PIN CONTACTS
M83723/21 (SUPERSEDED BY SAE-AS34521)	BOX MOUNT RECEPTACLE SOCKET CONTACTS
M83723/22 (SUPERSEDED BY SAE-AS34521)	BOX MOUNT RECEPTACLE PIN CONTACTS
M83723/23 (SUPERSEDED BY SAE-AS34561)	PLUG SOCKET CONTACTS
M83723/24 (SUPERSEDED BY SAE-AS34561)	PLUG PIN CONTACTS

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
								AF8	MH860	WA23	INSERTION	REMOVAL
M39029/29-212	2-RED	1-BRN	2-RED	P	16	16	20-16	TH1A	86-2		DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/30-218	2-RED	1-BRN	8-GRA	S								
M39029/29-213	2-RED	1-BRN	3-ORN	P	12	12	14-12				DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/30-219	2-RED	1-BRN	9-WHT	S								
M39029/29-214	2-RED	1-BRN	4-YEL	P	8	8	8			WA23-2 (DIE) AND WA23-9 (LOCATOR)	NOT REQUIRED	DRK250-8 (PLIERS) OR M81969/14-06 (RED)
M39029/30-220	2-RED	2-RED	0-BLK	S								
M39029/29-215	2-RED	1-BRN	5-GRN	P	4	4	4			WA23-4 (DIE) AND WA23-11 (LOCATOR)		DRK250-4 (PLIERS) OR M81969/14-07 (BLUE)
M39029/30-221	2-RED	2-RED	1-BRN	S								
M39029/29-216	2-RED	1-BRN	6-BLU	P	1/0	1/0	0			WA23-5 (DIE) AND WA23-13 (LOCATOR)		DRK250-0 (PLIERS) OR M81969/14-08 (YELLOW)
M39029/30-222	2-RED	2-RED	2-RED	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

MIL-DTL-83723
SERIES 3

Bayonet and Threaded Coupling, Circular, Rear Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
M83723/71, /72	BAYONET, WALL MOUNT RECEPTACLE
M83723/73, 74	BAYONET, JAM NUT RECEPTACLE
M83723/75, 76, /77, /78	BAYONET, STRAIGHT PLUG
M8372⅜2, /83	THREADED, WALL MOUNT RECEPTACLE
M8372⅜4, /85	THREADED, JAM NUT RECEPTACLE
M8372⅜6, /87, /91, /92, /95, /96	THREADED, STRAIGHT PLUG

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/4-110	1-BRN 1-BRN 0-BLK	P	20	20	24-20	TH1A	K1S	86-1S	DAK83-20B (ANGLED TWEEZER)	DRK83-20B (ANGLED TWEEZER)
M39029/5-115	1-BRN 1-BRN 5-GRN	S								
M39029/4-112	1-BRN 1-BRN 2-RED	P	16						DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/5-117	1-BRN 1-BRN 7-VIO	S								
M39029/4-111	1-BRN 1-BRN 1-BRN	P		16	20-16			86-2		
M39029/5-116	1-BRN 1-BRN 6-BLU	S								
M39029/4-114	1-BRN 1-BRN 4-YEL	P	12						DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/5-119	1-BRN 1-BRN 9-WHT	S								
M39029/4-113	1-BRN 1-BRN 3-ORN	P		12	14-12					
M39029/5-118	1-BRN 1-BRN 8-GRA	S								

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MIL-DTL-83733

Rack and Panel, Rectangular, Rear Release Contacts

CONNECTOR P/N	DESCRIPTION
M83733/1	STANDARD HOLE MOUNT
M83733/2	GUIDE PINS AND SPRING MOUNT
M83733/3	GUIDE SOCKETS
M83733/4	CAPTIVE SPRINGS
M83733/5	BUSHING MOUNT
M83733/6	CLINCH NUT MOUNT

CONNECTOR P/N	DESCRIPTION
M83733/7	GUIDE SOCKETS AND SPRING MOUNT
M8373⅜	GUIDE PINS
M83733/9	STAGGERED STANDARD HOLE MOUNT
M83733/10	STAGGERED BUSHING MOUNT
M83733/11	STAGGERED CLINCH NUT MOUNT
M83733/12	STAGGERED SPRING MOUNT

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
						AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/58-360	3-ORN 6-BLU 0-BLK	P	22	22D	28-22		K42	86-6	DAK95-22MB (ANGLED) OR DAK722-22D (STRAIGHT)	DRK95-22MB (ANGLED) OR DRK722-22D (STRAIGHT)
M39029/57-354	3-ORN 5-GRN 4-YEL	S					K41	86-5		
M39029/4-110	1-BRN 1-BRN 0-BLK	P	20	20	24-20	TH1A	K1S	86-1S	DAK83-20B (ANGLED TWEEZER)	DRK83-20B (ANGLED TWEEZER)
M39029/5-115	1-BRN 1-BRN 5-GRN	S								
M39029/4-111	1-BRN 1-BRN 1-BRN	P	16	16	20-16			86-2	DAK83-16B (ANGLED TWEEZER)	DRK83-16B (ANGLED TWEEZER)
M39029/5-116	1-BRN 1-BRN 6-BLU	S								
M39029/4-113	1-BRN 1-BRN 3-ORN	P	12	12	14-12				DAK83-12B (ANGLED TWEEZER)	DRK83-12B (ANGLED TWEEZER)
M39029/5-118	1-BRN 1-BRN 8-GRA	S								

For further information on contact types, refer to the section "Coax/Shielded/Thermocouple Contact Tool Selection Guide".

SAE-AS85028

Individual Contact Sealing, Polarized Center Jack Screw, Pull Thru Insertion Contacts*, Rectangular

CONNECTOR PART NUMBER	DESCRIPTION
M85028/1	CRIMP REMOVABLE PIN CONTACTS
M85028/2	CRIMP REMOVABLE SOCKET CONTACTS

CONTACT PART NUMBER	BIN	PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
						AF8	INSERTION	REMOVAL
M39029/70-387	3-ORN 8-GRA 7-VIO	P	16	24	28-24	TP651	DAK1-16P	DRK222 (STRAIGHT SPRING-LOADED PROBE)
M39029/69-384	3-ORN 8-GRA 4-YEL	S					DAK1-16S	
M39029/70-388	3-ORN 8-GRA 8-GRA	P		20	24-20		DAK1-16P	
M39029/69-385	3-ORN 8-GRA 5-GRN	S					DAK1-16S	
M39029/70-389	3-ORN 8-GRA 9-WHT	P		16	20-16		DAK1-16P	
M39029/69-386	3-ORN 8-GRA 6-BLU	S					DAK1-16S	

**Due to the sealing grommet on the contact wire barrel, it requires a special tool which is inserted through the connector, attached to the mating end of the contact, and then "pulled" into the connector. A release on the tool is actuated and the tool can be removed from the contact.*

Pin installing tool set, DAK1-16P-S consists of DAK1-16P, inspection Gage G525, and a spanner wrench.
Socket installing tool set, DAK1-16S-S consists of DAK1-16S, inspection Gage G528, and a spanner wrench.

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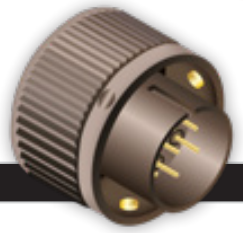
SAE-AS95234



Reverse Bayonet, Circular, Front Release Contacts

CONNECTOR PART NUMBER	DESCRIPTION
AS95234/1	RECEPTACLE, BAYONET COUPLING, IN LINE
AS95234/2	RECEPTACLE, SQUARE FLANGE, BOX MOUNT, FRONT
AS95234/3	RECEPTACLE, SQUARE FLANGE, BOX MOUNT, REAR
AS95234/4	RECEPTACLE, SQUARE FLANGE, PANEL MOUNT, FRONT
AS95234/5	RECEPTACLE, SQUARE FLANGE, PANEL MOUNT, REAR
AS95234/6	PLUG, REVERSE BAYONET COUPLING
AS95234/7	RECEPTACLE, JAM NUT
AS95234/8	RECEPTACLE, JAM NUT
AS95234/9	PLUG, GROUNDING

CONTACT PART NUMBER	BIN			PIN (P) OR SOCKET (S)	MATING END	WIRE BARREL	WIRE (AWG)	CRIMP TOOL AND ACCESSORY		ASSEMBLY TOOLS	
								AF8	WA23	INSERTION	REMOVAL
M39029/44-287	2-RED	8-GRA	7-VIO	P	16	22	26-22	TH1A		DAK83S-20 (STRAIGHT PROBE)	DRK16B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-294	2-RED	9-WHT	4-YEL	S							
M39029/44-288	2-RED	8-GRA	8-GRA	P		16	20-16			DAK16B (STRAIGHT PROBE)	
M39029/45-295	2-RED	9-WHT	5-GRN	S							
M39029/44-289	2-RED	8-GRA	9-WHT	P	12						DRK12B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-296	2-RED	9-WHT	6-BLU	S							
M39029/44-290	2-RED	9-WHT	0-BLK	P		12	14-12			DAK12B (STRAIGHT PROBE)	
M39029/45-297	2-RED	9-WHT	7-VIO	S							
M39029/44-291	2-RED	9-WHT	1-BRN	P	8	8	10-8		WA23-2 (DIE) AND WA23-9 (LOCATOR)	DAK55-8B (STRAIGHT PROBE)	DRK56-8B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-298	2-RED	9-WHT	8-GRA	S							
M39029/44-292	2-RED	9-WHT	2-RED	P	4	4	6-4		WA23-4 (DIE) AND WA23-11 (LOCATOR)	DAK55-4B (STRAIGHT PROBE)	DRK56-4B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-299	2-RED	9-WHT	9-WHT	S							
M39029/44-293	2-RED	9-WHT	3-ORN	P	1/0	1/0	2-0		WA23-5 (DIE) AND WA23-13 (LOCATOR)	DAK55-0B (STRAIGHT PROBE)	DRK56-0B (STRAIGHT SPRING-LOADED PROBE)
M39029/45-300	3-ORN	0-BLK	0-BLK	S							

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

MICRO CONNECTORS - GLENAIR "MIGHTY MOUSE" AND AMPHENOL 2M MICRO38999

CONNECTOR PART NUMBER	DESCRIPTION
801	GLENAIR, MIGHTY MOUSE SERIES 801, RUGGED DOUBLE-START ACME THREADS
803	GLENAIR, MIGHTY MOUSE SERIES 803, BAYONET COUPLING
804	GLENAIR, MIGHTY MOUSE SERIES 804, PUSH-PULL
805	GLENAIR, MIGHTY MOUSE SERIES 805, TRIPLE-START ACME THREADS
2M801	AMPHENOL, MICRO38999 SERIES 2M801, DUAL-START
2M803	AMPHENOL, MICRO38999 SERIES 2M803, BAYONET
2M804	AMPHENOL, MICRO38999 SERIES 2M804, PUSH-PULL
2M805	AMPHENOL, MICRO38999 SERIES 2M805, TRI-START

CONTACT PART NUMBER		BIN	PIN (P) OR SOCKET (S)	CONTACT SIZE	WIRE (AWG)	CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
GLENAIR	AMPHENOL					AFM8	INSERTION	REMOVAL
809-001 (BeCu)	2M809-001	N/A	P	23	28-22	K1461 (GLENAIR) OR K1461-1 (AMPHENOL)	809-088 (BLUE)	809-088 (WHITE)
809-05A (ALUMEL)	N/A							
809-065C (CHROMEL)								
809-002 (BeCu)	2M809-002		S					
809-066A (ALUMEL)	N/A							
809-066C (CHROMEL)								
809-042 (SMALL BORE)	2M809-042		P		30-26	K1989 (GLENAIR) OR K1989-1 (AMPHENOL)		
809-043 (SMALL BORE)	2M809-043		S					
809-299 (LARGE BORE)	N/A		P		22-20	K2003		
809-300 (LARGE BORE)			S					
809-204	2M809-204		P	20HD	24-20	K1859 (GLENAIR) OR K1859-1 (AMPHENOL)	809-203 (GREEN)	809-203 (WHITE)
809-205	2M809-205		S					

CONTACT PART NUMBER		BIN			PIN (P) OR SOCKET (S)	CONTACT SIZE	WIRE (AWG)	CRIMP TOOL AND ACCESSORY			ASSEMBLY TOOLS	
MIL SPEC	GLENAIR							AF8	AFM8	MH860	INSERTION	REMOVAL
M39029/58-363	850-002-20-363	3-ORN	6-BLU	3-ORN	P	20	24-20	TH163	K43	86-7	DAK95-20B (ANGLED TWEEZER) OR M81969/14-10 (RED)	DRK95-20B (ANGLED TWEE-ZER) OR M81969/14-10 (ORANGE)
M39029/57-357	850-003-20-357	3-ORN	5-GRN	7-VIO	S							
M39029/58-364	809-110	3-ORN	6-BLU	4-YEL	P	16	20-16				DAK95-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE)	DRK95-16B (ANGLED TWEE-ZER) OR M81969/14-03 (WHITE)
M39029/57-358	809-111	3-ORN	5-GRN	8-GRA	S							
M39029/58-365	809-112	3-ORN	6-BLU	5-GRN	P	12	14-12				DAK95-12B (ANGLED TWEEZER) OR M81969/14-04 (YELLOW)	DRK95-12B (ANGLED TWEE-ZER) OR M81969/14-04 (WHITE)
M39029/57-359	809-113	3-ORN	5-GRN	9-WHT	S							

MICRO CONNECTORS - GLENAIR "MIGHTY MOUSE"

COAX/SHIELDED/TWINAX

CONNECTOR PART NUMBER	DESCRIPTION
801	GLENAIR, MIGHTY MOUSE SERIES 801, RUGGED DOUBLE-START ACME THREADS
803	GLENAIR, MIGHTY MOUSE SERIES 803, BAYONET COUPLING
804	GLENAIR, MIGHTY MOUSE SERIES 804, PUSH-PULL
805	GLENAIR, MIGHTY MOUSE SERIES 805, TRIPLE-START ACME THREADS

CONTACT PART NUMBER		BIN			PIN (P) OR SOCKET (S)	CONTACT SIZE	CABLE SIZE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
MIL SPEC	GLENAIR							AFM8	GS100-1	INSERTION	REMOVAL
M39029/76-424	809-114	4-YEL	2-RED	4-YEL	P	16 COAX / SHIELDED	RG174 RG179 RG316	K532-1	GP295	DAK95-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE)	DRK95-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/78-432	809-116	4-YEL	3-ORN	2-RED	S						
M39029/76-425	809-115	4-YEL	2-RED	5-GRN	P		RG178				
M39029/78-433	809-117	4-YEL	3-ORN	3-ORN	S						
M39029/28-211	809-118	2-RED	1-BRN	1-BRN	P	12 COAX / SHIELDED	RG174 RG179 RG316	K323	G2P330	DAK95-12B (ANGLED TWEEZER) OR M81969/14-04 (YELLOW)	DRK95-16B (ANGLED TWEEZER) OR M81969/14-04 (WHITE)
M39029/27-210	809-120	2-RED	1-BRN	0-BLK	S						
M39029/28-409	809-119	4-YEL	0-BLK	9-WHT	P		RG180				
M39029/27-402	809-121	4-YEL	0-BLK	2-RED	S						

CONTACT PART #		BIN	PIN (P) OR SOCKET (S)	CONTACT SIZE	CABLE SIZE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
MIL SPEC	GLENAIR					AFM8	GS100-1	INSERTION	REMOVAL
N/A	852-016-01	N/A	P	12 MATCHED IMPEDANCE COAX 50 ohm	M17/113-RG316	K1721	Y196	M81969/14-04 (YELLOW)	M81969/14-04 (WHITE)
	852-015-01		S						
	852-016-02		P		M17/152-00001 (RG316DS)				
	852-015-02		S						
	852-016-03		P		M17/93-RG178				
	852-015-03		S						

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MICRO CONNECTORS - GLENAIR "MIGHTY MOUSE"

COAX/SHIELDED/TWINAX CONTINUED

CONTACT PART NUMBER		BIN			PIN (P) OR SOCKET (S)	CONTACT SIZE	CABLE SIZE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
MIL SPEC	GLENAIR							AFM8	HX4	INSERTION	REMOVAL
M39029/60-367	852-007-08-367	3-ORN	6-BLU	7-VIO	P	8 COAX/ SHIELDED	M17/095-RG180	K406	Y197	N/A	M81969/14-12 (GREEN)
M39029/59-366	852-006-08-366	3-ORN	6-BLU	6-BLU	S						

CONTACT PART NUMBER		BIN			PIN (P) OR SOCKET (S)	CONTACT SIZE	CABLE SIZE	INNER CRIMP TOOL AND ACCESSORY	INTERMEDIATE AND OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
MIL SPEC	GLENAIR							AFM8	HX4	INSERTION	REMOVAL
M39029/113-625	853-003-08-625	6-BLU	2-RED	5-GRN	P	8 CONCENTRIC TWINAX	M17/176-0002	K709	Y631 INTERMEDIATE CRIMP CAVITY B AND OUTER CRIMP CAVITY A	DAK95-8B (ANGLED TWEEZER) OR DAK722-8 (OFFSET TWEEZER)	DRK95-8B (ANGLED TWEEZER) OR DRK722-8 (OFFSET TWEEZER) OR M81969/14-12 (GREEN)
M39029/114-628	853-004-08-628	6-BLU	2-RED	8-GRA	S						

M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-26482 (SERIES 2) AND SAE-AS81703 (SERIES 3)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/7-126	P	1-BRN	2-RED	6-BLU	12 SHIELDED	28-30, RG178 B/U, RG178 A/U, RG196 A/U	AFM8 W/ K269-1	HX4 W/ Y203	DAK83-12B (ANGLED TWEEZER) OR M81969/14-04 (YELLOW) / DRK83-12B (ANGLED TWEEZER) OR M81969/14-04 (WHITE)
M39029/7-127		1-BRN	2-RED	7-VIO		26, RG174/U, RG188 A/U			
M39029/7-128		1-BRN	2-RED	8-GRA		24			
M39029/8-129	S	1-BRN	2-RED	9-WHT		28-30, RG178 B/U, RG178 A/U, RG196 A/U			
M39029/8-130		1-BRN	2-RED	0-BLK		26, RG174/U, RG188 A/U			
M39029/8-131		1-BRN	2-RED	1-BRN		24			

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-26482 (SERIES 2), MIL-DTL-83723 (SERIES 1 & 3), MIL-DTL-83733, SAE-AS81703 (SERIES 3)								
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
								INSERTION / REMOVAL
M39029/9-132	P	1-BRN	3-ORN	2-RED	20 THERMOCOUPLE	24-20	AF8 W/ TH1A OR AMF8 W/ K1S	DAK83-20B (ANGLED TWEEZER) OR M81969/14-11 (RED) / DRK83-20B (ANGLED TWEEZER) OR M81969/14-11 (WHITE)
M39029/9-133		1-BRN	3-ORN	3-ORN				
M39029/9-134		1-BRN	3-ORN	4-YEL				
M39029/9-135		1-BRN	3-ORN	5-GRN				
M39029/9-136		1-BRN	3-ORN	6-BLU				
M39029/9-514		5-GRN	1-BRN	4-YEL	16 THERMOCOUPLE	20-16	AF8 W/ TH1A OR MH860 W/ 86-2	DAK83-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK83-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/9-515		5-GRN	1-BRN	5-GRN				
M39029/9-516		5-GRN	1-BRN	6-BLU				
M39029/9-517		5-GRN	1-BRN	7-VIO				
M39029/9-518		5-GRN	1-BRN	8-GRA				
M39029/10-138	S	1-BRN	3-ORN	8-GRA	20 THERMOCOUPLE	24-20	AF8 W/ TH1A OR AMF8 W/ K1S	DAK83-20B (ANGLED TWEEZER) OR M81969/14-11 (RED) / DRK83-20B (ANGLED TWEEZER) OR M81969/14-11 (WHITE)
M39029/10-139		1-BRN	3-ORN	9-WHT				
M39029/10-140		1-BRN	4-YEL	0-BLK				
M39029/10-141		1-BRN	4-YEL	1-BRN				
M39029/10-142		1-BRN	4-YEL	2-RED				
M39029/10-519		5-GRN	1-BRN	9-WHT	16 THERMOCOUPLE	20-16	AF8 W/ TH1A OR MH860 W/ 86-2	DAK83-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK83-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/10-520		5-GRN	2-RED	0-BLK				
M39029/10-521		5-GRN	2-RED	1-BRN				
M39029/10-522		5-GRN	2-RED	2-RED				
M39029/10-523		5-GRN	2-RED	3-ORN				

FOR CONNECTORS: SAE-AS81511 (SERIES 3 & 4)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	INNER CRIMP TOOL AND ACCESSORY	INTERMEDIATE CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/19-181	P	1-BRN	8-GRA	1-BRN	16 SHIELDED	AFM8 W/ K373-1	MH802 W/ D16/1-1M	MH801 W/ D16P-1M	M81969/16-02 (BLUE) / M81969/16-02 (WHITE)
M39029/19-182		1-BRN	8-GRA	2-RED	12 SHIELDED	AFM8 W/ K372-1	MH804 W/ D12/1-1M	MH803 W/ D12P-1M	M81969/16-03 (YELLOW) / M81969/16-03 (WHITE)
M39029/19-183		1-BRN	8-GRA	3-ORN					

FOR CONNECTORS: SAE-AS81511 (SERIES 3)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	INNER CRIMP TOOL AND ACCESSORY	INTERMEDIATE CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/20-184	S	1-BRN	8-GRA	4-YEL	16 SHIELDED	AFM8 W/ K373-1	MH802 W/ D16/2-1M	MH801 W/ D16LS-1M	M81969/16-02 (BLUE) / M81969/16-02 (WHITE)
M39029/20-185		1-BRN	8-GRA	5-GRN	12 SHIELDED	AFM8 W/ K372-1	MH804 W/ D12/2-1M	MH803 W/ D12LS-1M	M81969/16-03 (YELLOW) / M81969/16-03 (WHITE)
M39029/20-186		1-BRN	8-GRA	6-BLU					

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: SAE-AS81511 (SERIES 4)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	INNER CRIMP TOOL AND ACCESSORY	INTERMEDIATE CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/21-187	S	1-BRN	8-GRA	7-VIO	16 SHIELDED	AFM8 W/ K373-1	MH802 W/ D16/1-1M	MH801 W/ D16S-1M	M81969/16-02 (BLUE)	M81969/16-02 (WHITE)
M39029/21-188		1-BRN	8-GRA	8-GRA	12 SHIELDED	AFM8 W/ K372-1	MH804 W/ D12/1-1M	MH803 W/ D12S-1M	M81969/16-03 (YELLOW)	M81969/16-03 (WHITE)
M39029/21-189		1-BRN	8-GRA	9-WHT						

FOR CONNECTORS: MIL-DTL-26482 (SERIES 1)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/25-204	P	2-RED	0-BLK	4-YEL	12 SHIELDED	RG179 RG316	AFM8 W/ K496	HX4 W/ Y189	DAK12B (STRAIGHT PROBE)	DRK12B (STRAIGHT SPRING-LOADED PROBE)
M39029/25-205		2-RED	0-BLK	5-GRN		RG178		N/A		
M39029/25-206		2-RED	0-BLK	6-BLU		-		HX4 W/ Y189		
M39029/26-207	S	2-RED	0-BLK	7-VIO		RG179 RG316		HX4 W/ Y189		
M39029/26-208		2-RED	0-BLK	8-GRA		RG178		N/A		
M39029/26-209		2-RED	0-BLK	9-WHT		-		HX4 W/ Y189		

FOR CONNECTORS: MIL-DTL-38999 (SERIES 2)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/27-210	S	2-RED	1-BRN	0-BLK	12 SHIELDED	M17/119-RG174 M17/113-RG316 M17/94-RG179	AFM8 W/ K323	GS200-1 W/ G2P330	DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/27-402		4-YEL	0-BLK	2-RED		M17/95-RG180				
M39029/27-403		4-YEL	0-BLK	3-ORN		-				
M39029/27-404		4-YEL	0-BLK	4-YEL		-				
M39029/27-405		4-YEL	0-BLK	5-GRN		-				
M39029/27-406		4-YEL	0-BLK	6-BLU		-				
M39029/27-407		4-YEL	0-BLK	7-VIO		M17/152-00001				
M39029/27-408		4-YEL	0-BLK	8-GRA		MIL-DTL-24643/28				

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1-4)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/28-211	P	2-RED	1-BRN	1-BRN	12 SHIELDED	M17/119-RG174 M17/113-RG316 M17/94-RG179	AFM8 W/ K323	GS200-1 W/ G2P330	DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER) / DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/28-409		4-YEL	0-BLK	9-WHT		M17/95-RG180			
M39029/28-410		4-YEL	1-BRN	0-BLK		-			
M39029/28-411		4-YEL	1-BRN	1-BRN		-			
M39029/28-412		4-YEL	1-BRN	2-RED		-			
M39029/28-413		4-YEL	1-BRN	3-ORN		-			
M39029/28-414		4-YEL	1-BRN	4-YEL		M17/152-00001			
M39029/28-415		4-YEL	1-BRN	5-GRN		MIL-DTL-24643/28			

FOR CONNECTORS: MIL-DTL-83733									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/50-340	P	3-ORN	4-YEL	0-BLK	12 SHIELDED	M17/094-RG179	AFM8 W/ K404	HX4 W/ Y215 OR HX3 W/ X101 (CAVITY A)	M81969/14-04 (YELLOW) / M81969/14-04 (WHITE)
M39029/51-341	S	3-ORN	4-YEL	1-BRN					

FOR CONNECTORS: MIL-DTL-26500 AND MIL-DTL-26518									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/54-342	P	3-ORN	4-YEL	2-RED	12 SHIELDED	M27500-22RE1N06	AFM8 W/ K74S	HX4 W/ Y215 OR HX3 W/ X101 (CAVITY A)	DAK12B (STRAIGHT PROBE) / DRK12B (STRAIGHT SPRING-LOADED PROBE)
M39029/55-344	S	3-ORN	4-YEL	4-YEL					
M39029/54-343	P	3-ORN	4-YEL	3-ORN	8 SHIELDED		AFM8 W/ K75S-1	HX4 W/ Y189 OR HX3 W/ X125	DAK55-8B (STRAIGHT PROBE) / DRK56-8B (STRAIGHT SPRING-LOADED PROBE)
M39029/55-345	S	3-ORN	4-YEL	5-GRN					

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1, 3, 4)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/60-367	P	3-ORN	6-BLU	7-VIO	8 SHIELDED	M17/95-RG180	AFM8 W/ K406	HX4 W/ Y197 (CAVITY B) OR HX3 W/ X102 (CAVITY B)	DAK95-8B (ANGLED TWEEZER)	DRK95-8B (ANGLED TWEEZER) OR M81969/14-12 (GREEN)
M39029/59-366	S	3-ORN	6-BLU	6-BLU						

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1, 3, 4)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/75-416	S	4-YEL	1-BRN	6-BLU	12 SHIELDED	M17/119-RG174 M17/113-RG316 M17/94-RG179	AFM8 W/ K323	GS200-1 W/ G2P330	DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (STRAIGHT TOOL)	DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (STRAIGHT TOOL)
M39029/75-417		4-YEL	1-BRN	7-VIO		M17/95-RG180				
M39029/75-418		4-YEL	1-BRN	8-GRA		-				
M39029/75-419		4-YEL	1-BRN	9-WHT		-				
M39029/75-420		4-YEL	2-RED	0-BLK		-				
M39029/75-421		4-YEL	2-RED	1-BRN		-				
M39029/75-422		4-YEL	2-RED	2-RED		M17/152-00001				
M39029/75-423		4-YEL	2-RED	3-ORN		MIL-DTL-24643/28				

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1 - 4)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/76-424	P	4-YEL	2-RED	4-YEL	16 SHIELDED	M17/119-RG174 M17/113-RG316 M17/094-RG179	AFM8 W/ K532-1	GS100-1 W/ GP295	DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
M39029/76-425		4-YEL	2-RED	5-GRN		M17/093-RG178				
M39029/76-426		4-YEL	2-RED	6-BLU		-				
M39029/76-427		4-YEL	2-RED	7-VIO		-				

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1, 3, 4)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/77-428	S	4-YEL	2-RED	8-GRA	16 SHIELDED	M17/119-RG174 M17/113-RG316 M17/094-RG179	AFM8 W/ K532-1	GS100-1 W/ GP295	DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
M39029/77-429		4-YEL	2-RED	9-WHT		M17/093-RG178				
M39029/77-430		4-YEL	3-ORN	0-BLK		-				
M39029/77-431		4-YEL	3-ORN	1-BRN		-				

FOR CONNECTORS: MIL-DTL-38999 (SERIES 2)										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/78-432	S	4-YEL	3-ORN	2-RED	16 SHIELDED	M17/119-RG174 M17/113-RG316 M17/094-RG179	AFM8 W/ K532-1	GS100-1 W/ GP295	DAK95-16B (ANGLED TWEEZER)	DRK95-16B (ANGLED TWEEZER)
M39029/78-433		4-YEL	3-ORN	3-ORN		M17/093-RG178				
M39029/78-434		4-YEL	3-ORN	4-YEL		-				
M39029/78-435		4-YEL	3-ORN	5-GRN		-				

FOR CONNECTORS: MIL-DTL-28748/9										
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL	OUTER CRIMP TOOL	ASSEMBLY TOOLS	
									INSERTION	REMOVAL
M39029/79-436	P	4-YEL	3-ORN	6-BLU	16 COAX	M17/094-RG179 M17/113-RG316	HX3-530	HX3-530	DAK16B (ANGLED TWEEZER)	DRK597 (ANGLED TWEEZER)
M39029/79-437		4-YEL	3-ORN	7-VIO		M17/093-RG178				

Note: Tool crimps both inner and outer contacts simultaneously.

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-28748/10									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/80-438	S	4-YEL	3-ORN	8-GRA	16 COAX	M17/094-RG179 M17/113-RG316	HX3-530	HX3-530	DAK16B (STRAIGHT PROBE) / DRK597 (STRAIGHT SPRING-LOADED PROBE)
M39029/80-439		4-YEL	3-ORN	9-WHT		M17/093-RG178			

Note: Tool crimps both inner and outer contacts simultaneously.

FOR CONNECTORS: MIL-DTL-83723 (SERIES 2) AND SAE-AS50151 (SERIES 3450)								
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
								INSERTION / REMOVAL
M39029/85-454	P	4-YEL	5-GRN	4-YEL	16 THERMOCOUPLE	20-16	AF8 W/ TH1A OR MH860 W/ 86-2	DAK83-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK83-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/85-455		4-YEL	5-GRN	5-GRN				
M39029/85-456		4-YEL	5-GRN	6-BLU				
M39029/85-457		4-YEL	5-GRN	7-VIO				
M39029/85-458		4-YEL	5-GRN	8-GRA	12 THERMOCOUPLE	14-12	AF8 W/ TH1A	DAK83-12B (ANGLED TWEEZER) OR M81969/14-04 (YELLOW) / DRK83-12B (ANGLED TWEEZER) OR M81969/14-04 (WHITE)
M39029/85-459		4-YEL	5-GRN	9-WHT				
M39029/85-460		4-YEL	6-BLU	0-BLK				
M39029/85-461		4-YEL	6-BLU	1-BRN				
M39029/86-510	S	5-GRN	1-BRN	0-BLK	16 THERMOCOUPLE	20-16	AF8 W/ TH1A OR MH860 W/ 86-2	DAK83-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK83-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/86-511		5-GRN	1-BRN	1-BRN				
M39029/86-512		5-GRN	1-BRN	2-RED				
M39029/86-513		5-GRN	1-BRN	3-ORN				
M39029/86-462		4-YEL	6-BLU	2-RED				
M39029/86-463		4-YEL	6-BLU	3-ORN				
M39029/86-464		4-YEL	6-BLU	4-YEL				
M39029/86-465		4-YEL	6-BLU	5-GRN				
M39029/86-466		4-YEL	6-BLU	6-BLU	12 THERMOCOUPLE	14-12	AF8 W/ TH1A	DAK83-12B (ANGLED TWEEZER) OR M81969/14-04 (YELLOW) / DRK83-12B (ANGLED TWEEZER) OR M81969/14-04 (WHITE)
M39029/86-467		4-YEL	6-BLU	7-VIO				
M39029/86-468		4-YEL	6-BLU	8-GRA				
M39029/86-469		4-YEL	6-BLU	9-WHT				

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1-4), MIL-DTL-24308, AND MIL-DTL-83733								
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
								INSERTION / REMOVAL
M39029/87-470	P	4-YEL	7-VIO	0-BLK	22D THERMOCOUPLE	28-22	AFM8 W/ K42 OR MH860 W/ 86-6	DAK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (GREEN) / DRK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (WHITE)
M39029/87-471		4-YEL	7-VIO	1-BRN				
M39029/87-472		4-YEL	7-VIO	2-RED				
M39029/87-473		4-YEL	7-VIO	3-ORN				
M39029/87-474		4-YEL	7-VIO	4-YEL	20 THERMOCOUPLE	24-20	AF8 W/ TH163 OR AFM8 W/ K43 OR MH860 W/ 86-7	DAK95-20B (ANGLED TWEEZER) OR M81969/14-02 (RED) / DRK95-20B (ANGLED TWEEZER) OR M81969/14-02 (WHITE)
M39029/87-475		4-YEL	7-VIO	5-GRN				
M39029/87-476		4-YEL	7-VIO	6-BLU				
M39029/87-477		4-YEL	7-VIO	7-VIO				
M39029/87-478		4-YEL	7-VIO	8-GRA	16 THERMOCOUPLE	20-16	AF8 W/ TH163 OR MH860 W/ 86-3	DAK95-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK95-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/87-479		4-YEL	7-VIO	9-WHT				
M39029/87-480		4-YEL	8-GRA	0-BLK				
M39029/87-481		4-YEL	8-GRA	1-BRN				

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1, 3, 4)								
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
								INSERTION / REMOVAL
M39029/88-482	S	4-YEL	8-GRA	2-RED	22D THERMOCOUPLE	28-22	AFM8 W/ K40 OR MH860 W/ 86-4	DAK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (GREEN) / DRK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (WHITE)
M39029/88-483		4-YEL	8-GRA	3-ORN				
M39029/88-484		4-YEL	8-GRA	4-YEL				
M39029/88-485		4-YEL	8-GRA	5-GRN				
M39029/88-486		4-YEL	8-GRA	6-BLU	20 THERMOCOUPLE	24-20	AF8 W/ TH163 OR AFM8 W/ K43 OR MH860 W/ 86-7	DAK95-20B (ANGLED TWEEZER) OR M81969/14-02 (RED) / DRK95-20B (ANGLED TWEEZER) OR M81969/14-02 (WHITE)
M39029/88-487		4-YEL	8-GRA	7-VIO				
M39029/88-488		4-YEL	8-GRA	8-GRA				
M39029/88-489		4-YEL	8-GRA	9-WHT				
M39029/88-490		4-YEL	9-WHT	0-BLK	16 THERMOCOUPLE	20-16	AF8 W/ TH163 OR MH860 W/ 86-3	DAK95-16B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK95-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/88-491		4-YEL	9-WHT	1-BRN				
M39029/88-492		4-YEL	9-WHT	2-RED				
M39029/88-493		4-YEL	9-WHT	3-ORN				

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M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 2), MIL-DTL-8373, MIL-DTL-24308								
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
								INSERTION / REMOVAL
M39029/89-494	S	4-YEL	9-WHT	4-YEL	22D THERMOCOUPLE	28-22	AFM8 W/ K41 OR MH860 W/ 86-5	DAK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (GREEN) / DRK95-22MB (ANGLED TWEEZER) OR M81969/14-01 (WHITE)
M39029/89-495		4-YEL	9-WHT	5-GRN				
M39029/89-496		4-YEL	9-WHT	6-BLU				
M39029/89-497		4-YEL	9-WHT	7-VIO				
M39029/89-498		4-YEL	9-WHT	8-GRA	20 THERMOCOUPLE	24-20	AF8 W/ TH163 OR AFM8 W/ K43 OR MH860 W/ 86-7	DAK95-20B (ANGLED TWEEZER) OR M81969/14-02 (RED) / DRK95-20B (ANGLED TWEEZER) OR M81969/14-02 (WHITE)
M39029/89-499		4-YEL	9-WHT	9-WHT				
M39029/89-500		5-GRN	0-BLK	0-BLK				
M39029/89-501		5-GRN	0-BLK	1-BRN				
M39029/89-502		5-GRN	0-BLK	2-RED	16 THERMOCOUPLE	20-16	AF8 W/ TH163 OR MH860 W/ 86-3	DAK95-12B (ANGLED TWEEZER) OR M81969/14-03 (BLUE) / DRK95-16B (ANGLED TWEEZER) OR M81969/14-03 (WHITE)
M39029/89-503		5-GRN	0-BLK	3-ORN				
M39029/89-504		5-GRN	0-BLK	4-YEL				
M39029/89-505		5-GRN	0-BLK	5-GRN				

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

M39029 COAX, SHIELD, AND THERMOCOUPLE CONTACTS

FOR CONNECTORS: MIL-DTL-38999 (SERIES 1-4)									
CONTACT PART NUMBER	PIN (P) OR SOCKET (S)	BIN			SIZE	WIRE (AWG) OR CABLE	INNER CRIMP TOOL AND ACCESSORY	OUTER CRIMP TOOL AND ACCESSORY	ASSEMBLY TOOLS
									INSERTION / REMOVAL
M39029/102-558	P	5-GRN	5-GRN	8-GRA	12 COAX	M17/094-RG179 M17/113-RG316	MH992 W/ K1303S IF USING DEUTSCH CONTACTS AFM8 W/ K1430-1 IF USING TRI-STAR CONTACTS MH992 W/ K1360 IF USING AMPHENOL CONTACTS	HX4 W/ Y196 (CAVITY A)	DAK95-12B (ANGLED TWEEZER) OR DAK722-12 (OFFSET TWEEZER) / DRK95-12B (ANGLED TWEEZER) OR DRK722-12 (OFFSET TWEEZER)
M39029/103-559	S	5-GRN	5-GRN	9-WHT			MH992 W/ K1304 IF USING DEUTSCH CONTACTS AFM8 W/ K1457-1 IF USING TRI-STAR CONTACTS MH992 W/ K1360 IF USING AMPHENOL CONTACTS		

RF CONNECTORS TOOL SELECTION GUIDE

DISCLAIMER OF LIABILITY

The information contained here has been compiled by DMC from various sources. It is presented as an aid to assist DMC's customers in selecting appropriate tooling for the assembly and maintenance of electrical wiring systems.

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MIL-PRF-39012/1, /2, /3, /5
SERIES N

CONNECTOR		INNER CONTACT			OUTER FERRULE								CABLE RG
PART NUMBER	TYPE	TOOL	ACCESSORY	CAV	HX4 (M22520/5-01)								
					DIE	CAV	DIE	CAV	DIE	CAV	DIE	CAV	
M39012/01-0501	PLUG	AF8 (M22520/1-01) OR HX4 (M22520/5-01)	TH285 (M22520/1-13) OR Y110P (M22520/5-25)	-	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/01-0502					Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/01-0503				B	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y209P (M22520/5-57)	A	Y142 (M22520/5-19)	B	142 400
M39012/01-0504					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y209P (M22520/5-57)	A	Y209P (M22520/5-57)	A	303
M39012/02-0501	PLUG	AF8 (M22520/1-01) OR HX4 (M22520/5-01)	TH285 (M22520/1-13) OR Y110P (M22520/5-25)	-	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/02-0502					Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/02-0503					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/02-0504					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/02-0511	RECEPTACLE			B	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/02-0512					Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/02-0513					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/02-0514					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/03-0501	RECEPTACLE	AF8 (M22520/1-01) OR HX4 (M22520/5-01)	TH286 (M22520/1-14) OR Y110P (M22520/5-25)	-	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/03-0502					Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/03-0503				B	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/03-0504					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/05-0501	PLUG	AF8 (M22520/1-01) OR HX4 (M22520/5-01)	TH285 (M22520/1-13) OR Y110P (M22520/5-25)	-	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/05-0502					Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/05-0503				B	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/05-0504					Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303

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MIL-PRF-39012/16, /17, /18, /19, /20

SERIES BNC

CONNECTOR		INNER CONTACT		OUTER FERRULE								CABLE RG
PART NUMBER	TYPE	TOOL	ACCESSORY	HX4 (M22520/5-01)								
				DIE	CAV	DIE	CAV	DIE	CAV	DIE	CAV	
M39012/16-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/16-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/16-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/16-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/17-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/17-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/17-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142
M39012/17-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/18-0501	RECEPTACLE	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/18-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/18-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	B	142
M39012/18-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	B	303
M39012/19-0501	RECEPTACLE	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/19-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/19-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/19-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/20-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/20-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/20-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/20-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303

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MIL-PRF-39012/26, /27, /28, /29, /30
SERIES TNC

CONNECTOR		INNER CONTACT		OUTER FERRULE								CABLE RG
PART NUMBER	TYPE	TOOL	ACCESSORY	HX4 (M22520/5-01)								
				DIE	CAV	DIE	CAV	DIE	CAV	DIE	CAV	
M39012/26-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/26-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/26-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/26-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/27-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/27-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/27-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142
M39012/27-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/28-0501	RECEPTACLE	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/28-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/28-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142
M39012/28-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/29-0501	RECEPTACLE	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/29-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/29-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142
M39012/29-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303
M39012/30-0501	PLUG	AF8 (M22520/1-01)	TH270 (M22520/1-12)	Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	122
M39012/30-0502				Y197 (M22520/5-05)	B	Y204P (M22520/5-09)	A	Y140 (M22520/5-41)	B	-	-	180
M39012/30-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/30-0504				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	303

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MIL-PRF-39012/35, /36, /38, /39, /40

SERIES SC

CONNECTOR		INNER CONTACT		OUTER FERRULE								CABLE RG
				HX4 (M22520/5-01)								
PART NUMBER	TYPE	TOOL	ACCESSORY	DIE	CAV	DIE	CAV	DIE	CAV	DIE	CAV	
M39012/35-0501	PLUG	AF8 (M22520/1-01)	TH286 (M22520/1-14)	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/35-0502				Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/35-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/36-0501	PLUG	AF8 (M22520/1-01)	TH286 (M22520/1-14)	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	214 393
M39012/36-0502				Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165 213
M39012/36-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 223 400
M39012/38-0501	RECEPTACLE	AF8 (M22520/1-01)	TH286 (M22520/1-14)	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/38-0502				Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M39012/38-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/39-0501	PLUG	AF8 (M22520/1-01)	TH285 (M22520/1-13)	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	214 393
M39012/39-0502				Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165 213
M39012/39-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 223 400
M39012/40-0501	RECEPTACLE	AF8 (M22520/1-01)	TH286 (M22520/1-14)	Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	393
M39012/40-0502				Y110P (M22520/5-25)	A	Y178 (M22520/5-61)	N/A	-	-	-	-	165
M30912/40-0503				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400

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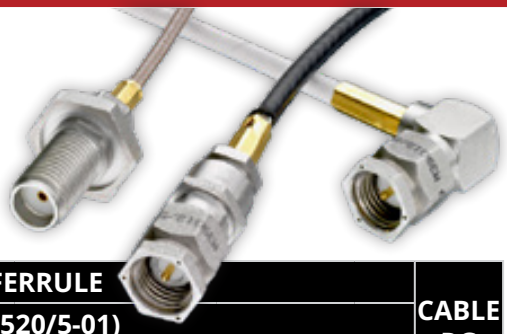
MIL-PRF-39012/55, /56, /57, /58, /59
SERIES SMA



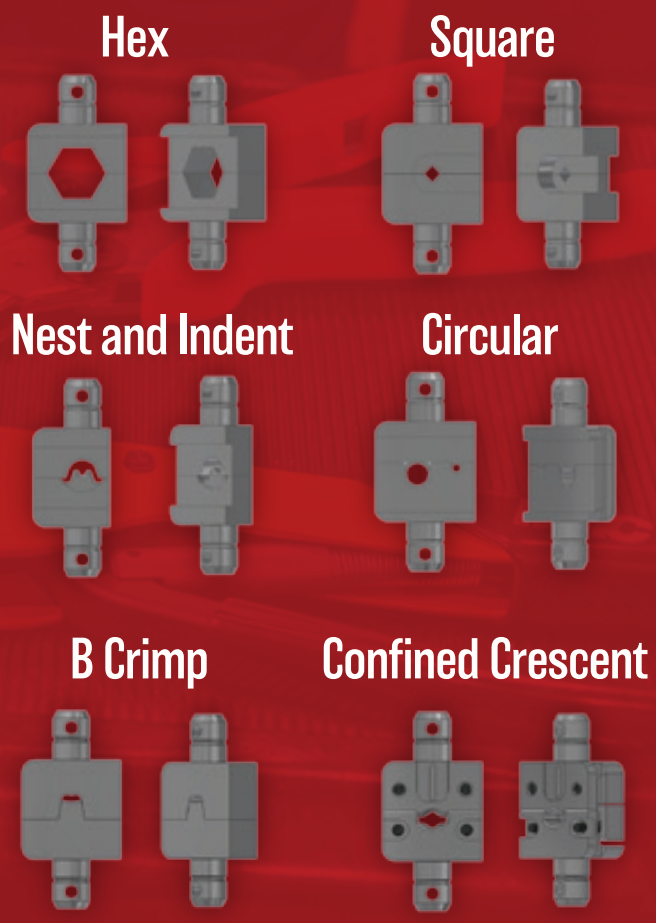
CONNECTOR		INNER CONTACT		OUTER FERRULE								CABLE RG
PART NUMBER	TYPE	TOOL	ACCESSORY	HX4 (M22520/5-01)								
				DIE	CAV	DIE	CAV	DIE	CAV	DIE	CAV	
M39012/55-3502	PLUG	AF8 (M22520/1-01)	TP485 (M22520/1-15)	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/55-4502				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/56-3502	PLUG	AF8 (M22520/1-01)	TP485 (M22520/1-15)	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/56-4502				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/57-3502	PLUG	AF8 (M22520/1-01)	TP485 (M22520/1-15)	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/57-4502				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/58-3502	RECEPTACLE	AF8 (M22520/1-01)	TP485 (M22520/1-15)	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/58-4502				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/59-3502	RECEPTACLE	AF8 (M22520/1-01)	TP485 (M22520/1-15)	Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400
M39012/59-4502				Y197 (M22520/5-05)	A	Y205P (M22520/5-11)	A	Y142 (M22520/5-19)	B	Y209P (M22520/5-57)	A	142 400

For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

FORM CRIMP TOOLS

Over the span of 75 years, our crimp tools have undergone a remarkable evolution. DMC has evolved to provide a comprehensive selection of form crimp tools capable of producing hex, square, circular, nest and indent, confined crescent, B-crimps, and more. Operators can employ a wide array of dies to perform different tasks. These tasks include crimping ferrules, coax connectors, stamped and formed contacts, splices, and terminals.

Form crimp tools come in both specialized scissor-action tools and adaptable in-line configurations that accommodate dies. Die sets are interchangeable and often feature multiple cavities, effectively broadening their utility and eliminating the need for additional tooling. Dies can come in single, double, and triple cavity variations. This versatile approach maintains standardization while enabling customization which makes DMC's form crimp tools a valuable asset for operators in various sectors. Regardless of the crimp style chosen, rest assured that it will yield a secure connection perfectly suited for mission-critical applications.



Tool Features

Positive Ratchet System

The double action ratchet system inside all of DMC's manual form crimp tools controls the cycling of the tool in both directions of handle movement. This system ensures a full crimp cycle and eliminates the potential for partial crimps. This ensures our tools are dependable and ideal for mission-critical applications.

Die Sets

DMC’s die sets are indispensable accessories designed to work seamlessly with our form crimp tools. These precision-engineered die sets are crafted with exceptional detail to ensure accurate and consistent crimping results while enhancing the versatility of each tool.

Alternatively, DMC's GMT series feature a fixed jaw and are purpose-built for specific tasks. All form crimp tools offer between 1 to 3 cavities that can accommodate a range of wire sizes. Such adaptability not only boosts the utility of each tool but also contributes significantly to cost savings.

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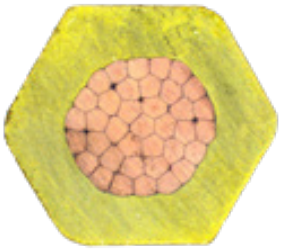
Crimp Styles

Hexagonal

Hex-cavity dies are designed for crimping coaxial and triaxial contacts, uninsulated terminals, uninsulated splices, and large gauge power contacts. They are also particularly useful in producing outer ferrule-type crimps on coaxial cables.



Square

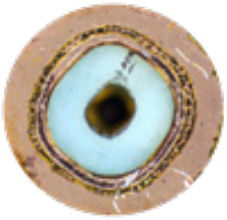
Square-cavity dies are suitable for crimping small gauge wires. They are typically used on inner pins of coax contacts and other specialty applications.

Nest and Indent

Nest and Indent dies are specifically engineered with a single or double-indent upper cavity to create U or W-shaped crimps on uninsulated terminals, uninsulated splices, and inner contacts.

Circular

Circular-cavity dies are ideal for crimping coax ferrules, outer shield crimp sleeves, and any application requiring a circular crimp shape.



B Crimp

B Crimp dies, sometimes referred to as F crimp dies, are designed for crimping stamped and formed open barrel contacts. DMC offers various tooling options, including GMT scissor-action tools and HX tools for in-line crimps.

Confined Crescent

Confined Crescent dies are intended to crimp insulated terminals and splices, which typically feature both conductor and insulation crimps.

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HX3 Miniature Form Crimp Tool

The HX3 (qualified to AS22520/10) form crimp tool supports several different crimp styles due to its interchangeable X dies. These dies lock into spring clips in order to keep them in place when crimping. The HX3 is a compact tool that is ideal for crimping ferrules .250 inch or smaller. It can also crimp contacts for most AS39029 coaxial and triaxial connectors, terminals, wire splices and some end caps.

Length	9″
Width	1.5″
Height	0.8″
Weight	11 oz

- 26 to 10 AWG
- Go/No-Go Gage Varies
- MIL M22520/10-01
- QPL Approved

HX3 DIES

Typical X Die with a Hexagonal Crimp

UDT3

Length	9″
Width	1.5″
Height	0.8″
Weight	11 oz

Improve workplace comfort and reduce operator fatigue by selecting a bench press style tool. The flat frame design allows the tool to be used as a portable bench top press or a handheld tool. The UDT3 tool utilizes the same X dies as the HX3 tool.

Tools do not come with dies. Dies sold separately.

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DMC offers kits containing tools, gages, and accessories for many of our tools. Available kits include those suitable for a wide range of applications and others that are tailored to a specific need. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool. Consult DMC for all kit options.

DMC5010

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts and instructions

1	HX3 Crimp Tool
22	All M22520/10 X Die Sets (-02 thru -11, -13, -15, -17, -19, -21, -23, -25, -27, -100 thru -104)
1	HX3-82 Die Removal Tool

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HX3 RELATED PRODUCT LIST

Required accessories for proper usage of the HX3

MILITARY QUALIFIED TOOL			
MILITARY PART NUMBER	DMC PART NUMBER	NSN	
M22520/10-01	HX3	5120-00-117-4830	★

MILITARY QUALIFIED X DIES								
MILITARY P/N	DMC P/N	NSN	A HEX (IN.)	LENGTH (IN.)	B HEX (IN.)	LENGTH (IN.)	GAGE	
M22520/10-02	X115S	5120-01-335-8304	0.091	0.090	0.068	0.270		★
M22520/10-03	X103	5120-01-335-8305	0.255	0.325				★
M22520/10-04	X123	5120-01-335-8277	0.138	0.090	0.118	0.270		★
M22520/10-05	X101	5120-01-335-8278	0.128	0.325	0.105	0.325	G275 G276	★
M22520/10-06	X125	5120-01-335-8279	0.160	0.400				★
M22520/10-07	X102	5120-01-335-8280	0.213	0.325	0.178	0.325		★
M22520/10-08	X140	5120-01-335-8281	0.128	0.093				★
M22520/10-09	X129	5120-01-335-8282	0.118	0.327				★
M22520/10-10	X136	N/A	0.128	0.375				★
M22520/10-11	X225	5120-01-335-8284	0.105	0.400				★
M22520/10-13	X118	5120-01-335-8285	0.128	0.400				★
M22520/10-15	X226	5120-01-335-8286	0.151	0.400				★
M22520/10-17	X149	5120-01-335-8287	0.178	0.400				★
M22520/10-19	X147	5120-01-335-8288	0.197	0.400				★
M22520/10-21	X144	N/A	0.213	0.400				★
M22520/10-23	X155	N/A	0.218	0.400				★
M22520/10-25	X156	N/A	0.231	0.400				★
M22520/10-27	X187	5120-01-335-8291	0.255	0.400				★
M22520/10-100	X515	5120-00-116-3286	TERMINAL/SPLICE CRIMP 12-10 AWG				G261 G262	★
M22520/10-101	X511	5120-00-116-2992	TERMINAL/SPLICE CRIMP 26-14 AWG					★
M22520/10-102	X525	5120-01-335-8274	TERMINAL/SPLICE CRIMP 26-20 AWG				G263	
M22520/10-103	X527	N/A	SPLICE CRIMP 16-12 AWG				G264	★
M22520/10-104	X528	5120-01-335-8276	SPLICE CRIMP 26-16 AWG				G265 G266	★
M22520/10-201	X263	N/A	0.150 0.208	0.720				★
M22520/10-202	X264	N/A	0.208	0.720			G468	★

Consult DMC for additional X dies and gages.

★ *Approved on QPL*

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HX4 Form Crimp Tool Series

The HX4® form crimp tool and comparable products in this series offer unparalleled versatility and a positive ratchet system that ensures a complete crimp each time. Interchangeable Y dies, many of which are mil-spec qualified, lock easily into place and eliminate the need to use a different fixed die tool for each application. These tools are ideal for crimping contacts for most AS39029 coaxial and triaxial connectors, insulated and uninsulated terminals, wire splices, and some end caps. Available crimp styles include hexagonal, circular, nest and indent, B crimp, and more.

Length	11”
Width	2”
Height	0.9”
Weight	1.3 lbs

- 26 to 10 AWG
- Go/No-Go Gage Varies
- MIL M22520/5-01
- QPL Approved

HX4 DIES

Typical Y Die with a Hexagonal Crimp

UDT5

Length	11”
Width	3.2”
Height	0.9”
Weight	1.3 lbs

Improve workplace comfort and reduce operator fatigue by selecting a bench press style tool. The flat frame design allows the tool to be used as a portable bench top press or a handheld tool. The UDT5 tool utilizes the same Y dies as the HX4 tool.

Tools do not come with dies. Dies sold separately.

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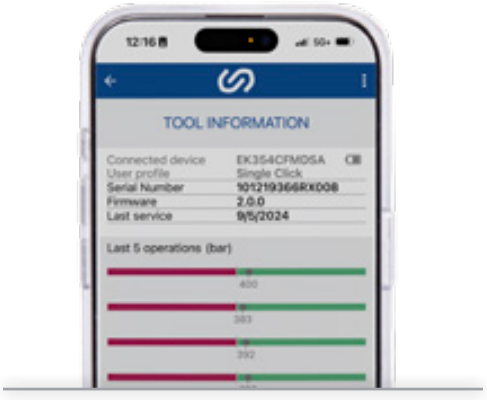
HX4 BATTERY TOOLS

Battery powered tools offer strength and portability

Length	4.5”
Width	2.9”
Height	15.7”
Weight	3.9 lbs



Includes a carrying case, two 18V Lithium-ion batteries, and one 120 VAC battery charger. The HXE4C-230 is available for international use. DMC also offers the HXE18C and HXE18AC for use with Kings dies.

RoHS COMPLIANT

SCAN FOR NEW TOOL FEATURES
qrco.de/BatteryToolsApp

26 to 10 AWG **Battery**

FEATURES

- Track tool performance, users, and crimp data on the LED display or download via an app
- Rotating head has a range of 350°
- 150 crimp cycles per charge
- Battery tools utilizes the same Y dies as the HX4 tool
- The HXE4AC is equipped with a pre-tensioned push rod to hold the product in the crimping position without operator assistance

Tools do not come with dies. Dies sold separately.

Enhance your operational efficiencies with the HX23 and HX33 pneumatic crimp tools. These tools seamlessly crimp using most mil-spec qualified and commercial Y dies compatible with HX4 series tools. The HX23 utilizes a two-step operation that allows operators to position contacts with spring-loaded pressure before completing the crimp. The HX33 boasts a more compact and powerful design with a one-step operation. Both tools are foot-actuated and deliver the same high-quality results as the HX4.

Both the HX23 and HX33 feature an emergency release button and come with a transparent die guard for added safety. Both tools are also equipped with shrouded foot pedals that prevent accidental actuation.

HX23

Length	16”
Width	6”
Height	4”
Weight	18.5 lbs

26 to 10 AWG

Pneumatic

Includes a foot pedal, bench mount, nine foot hose, die removal tool, and gaging die set. Powered by dry shop air between 80-95 psi. Meets CE standards.

HX33

Length	11.8”
Width	4.9”
Height	10.2”
Weight	32 lbs

26 to 10 AWG

Pneumatic

Includes a carrying case, foot pedal, nine foot hose, one safety guard, and a hex driver. Powered by dry shop air between 87-115 psi. Meets CE standards.

Find pneumatic accessories on page 131.

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HX4 KITS

Save time, reduce costs, and ensure the longevity of your tools

DMC offers kits containing tools, gages, and accessories for many of our tools. Available kits include those suitable for a wide range of applications and others that are tailored to a specific need. Contrasting shadow-cut foam eliminates lost tooling and increases the lifespan with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts and instructions

DMC5005

1	HX4 Crimp Tool
45	M22520/5 Y Die Sets (/5-02 thru -11, -13, -15, -17, -19, -21, -23, -25, -27, -29, -31, -33, -35, -37, -39, -41, -43, -45, -47, -49, -51, -53, -55, -57, -59, -61, -63, -100, -101 thru -108)
1	HX3-82 Die Removal Tool

DMC169A

NSN: *5180-01-166-8336*

1	HX4 Crimp Tool
27	M22520/5 Y Die Sets (-03 thru -08, -10, -17, -19, -21, -23, -27, -31, -33, -35, -37, -39, -41, -43, -45, -47, -49, -51, -53, -55, -61, -63)
1	HX3-82 Die Removal Tool

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MILITARY QUALIFIED TOOL			
MILITARY PART NUMBER	DMC PART NUMBER	NSN	
M22520/05-01	HX4	5120-00-132-6913	★

MILITARY QUALIFIED Y DIES								
MILITARY P/N	DMC P/N	NSN	A HEX (IN.)	LENGTH (IN.)	B HEX (IN.)	LENGTH (IN.)	GAGE	
M22520/5-02	Y200P	N/A	0.091	0.090	0.068	0.270	G207 G160	★
M22520/5-03	Y196	5120-00-133-0534	0.128	0.325	0.105	0.325	G150 G155	★
M22520/5-04	Y152	5120-01-335-8246	0.138	0.090	0.118	0.270	G206 G186	★
M22520/5-05	Y197	5120-00-133-0577	0.213	0.325	0.178	0.325	G185 G180	★
M22520/5-06	Y203	5120-00-133-0579	0.128	0.094			G287 G155	★
M22520/5-07	Y195	5120-01-335-8249	0.255	0.325			G170	★
M22520/5-08	Y215	N/A	0.128	0.375			G155	★
M22520/5-09	Y204P	5120-01-335-8251	0.178	0.400	0.068	0.093	G185	★
M22520/5-10	Y189	5120-00-133-0583	0.16	0.400			G188	★
M22520/5-11	Y205P	5120-01-335-8253	0.213	0.400	0.068	0.093	G384	★
M22520/5-13	Y206P	5120-00-133-0585	0.255	0.400	0.068	0.093	G170	★
M22520/5-15	Y207P	5120-01-335-8255	0.263	0.400	0.068	0.093	G192	★
M22520/5-17	Y193	5120-00-133-0597	0.118	0.375			G186	★
M22520/5-19	Y142	5120-01-335-8257	0.255	0.400	0.213	0.400	G180	★
M22520/5-21	Y149	5120-01-335-8258	0.475	0.400			G203	★
M22520/5-23	Y145	5120-00-133-0618	0.384	0.400			G199	★
M22520/5-25	Y110P	5120-01-335-8260	0.429	0.400	0.100	0.120	G165 G208	★
M22520/5-27	Y151	5120-00-133-0640	0.532	0.400				★
M22520/5-29	Y109P	5120-01-184-7992	0.324	0.400	0.100	0.120	G197 G208	★
M22520/5-31	Y150	5120-00-133-0642	0.501	0.400			G204	★
M22520/5-33	Y136	5120-00-116-3158	0.343	0.400	0.105	0.400	G150 G175	★
M22520/5-35	Y137	5120-00-116-3156	0.324	0.400	0.128	0.400	G155 G197	★
M22520/5-37	Y138	5120-00-116-3136	0.314	0.400	0.151	0.400	G187 G196	★
M22520/5-39	Y139	5120-01-335-8267	0.309	0.400	0.160	0.400	G188 G195	★
M22520/5-41	Y140	5120-00-116-3125	0.29	0.400	0.178	0.400	G194 G185	★
M22520/5-43	Y141	5120-00-116-3106	0.268	0.400	0.197	0.400	G189 G193	★
M22520/5-45	Y143	5120-00-116-3088	0.231	0.400	0.218	0.400	G190 G191	★
M22520/5-47	Y144	5120-00-133-0643	0.359	0.400			G198	★

More options are available. Consult DMC for a full list of tooling.

★ Approved on QPL

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MILITARY QUALIFIED Y DIES								
MILITARY P/N	DMC P/N	NSN	A HEX (IN.)	LENGTH (IN.)	B HEX (IN.)	LENGTH (IN.)	GAGE	
M22520/5-49	Y146	5120-00-133-0644	0.401	0.400			G200	★
M22520/5-51	Y147	N/A	0.431	0.400			G201	★
M22520/5-53	Y148	5120-00-116-3160	0.454	0.400			G202	★
M22520/5-55	Y102	N/A	0.324	0.400			G197	★
M22520/5-57	Y209P	5120-01-335-8296	0.213	0.400	0.100	0.120	G180 G208	★
M22520/5-59	Y208P	N/A	0.255	0.400	0.100	0.120	G208	★
M22520/5-61	Y178	5120-00-116-3004	0.429	0.400			G165	★
M22520/5-63	Y314P	5120-00-133-0583	0.263	0.400	0.091	0.090		★
M22520/5-100	Y501	5120-00-126-0860	Pre-Insulated Terminal Crimp 26-10 AWG				G261 G262	★
M22520/5-101	Y527	5120-01-335-8301	Pre-Insulated Splice Crimp 26-20 AWG				G263	★
M22520/5-102	Y539	5120-01-081-4212	Splice Crimp 16-12 AWG				G264	★
M22520/5-103	Y540	5120-01-082-8985	Splice Crimp 26-12 AWG				G265 G266	★
M22520/5-104	Y692	5120-01-454-3310	N/A				G872	★
M22520/5-105	Y631	5120-01-361-9554	0.218	0.307			G524 G668	★
M22520/5-106	Y1115	N/A	Adjustable Insulation Terminal Crimp for Red 22-18 AWG				G262*	★
M22520/5-107	Y1116	N/A	Adjustable Insulation Terminal Crimp for Blue 16-14 AWG				G262*	★
M22520/5-108	Y1117	N/A	Adjustable Insulation Terminal Crimp for Yellow 12-10 AWG				G261*	★

**These gages are to be used on the conductor cavity only.*
More options are available. Consult DMC for a full list of tooling.

★ *Die is approved on QPL*

Typical HX4 dies with unique crimp cavities.

Confined Crescent

Hex

Nest and Indent

Circular

DMC TIPS

HOW TO USE AN ADJUSTABLE DIE SET

DMC offers adjustable dies for insulated terminals. These dies feature insulation crimp inserts that adjust to accommodate various insulation types and sizes. This feature offers support while preventing damage to the wire insulation.

To begin, partially loosen the clamping screws on the movable die with a hex wrench. Align the insulation crimp insert to one of the adjustment marks on the side of the die and tighten the screws. Crimp the terminal on an unstripped wire sample and flex the wire three times. If the terminal stays on the wire and there are no cuts in the sheathing then the die is ready for service.

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DMC Y-DIE EQUIVALENTS

MANUFACTURER P/N	DMC P/N
AMPHENOL 227-1221-6001	Y951
AMPHENOL 227-1228	Y240S
AMPHENOL 227-1242	Y323S
AMPHENOL 227-125	Y129
AMPHENOL 227-1350	Y324S
AMPHENOL 227-1351-1	Y325
AMPHENOL 227-1351-2	Y344
AMPHENOL 227-1351-3	Y326
AMPHENOL 227-1351-4	Y346
AMPHENOL 227-1351-5	Y347
AMPHENOL 227-1351-6	Y348
AMPHENOL 227-1354	Y355S
AMPHENOL 227-1355	Y356S
AMPHENOL 227-1358	Y357
AMPHENOL 227-1392-03	Y488S
AMPHENOL 227-1395	Y654
AMPHENOL 227-1402	Y677
AMPHENOL 227-1403	Y493
AMPHENOL 227-1409	Y688PS
AMPHENOL 227-1414	Y780
AMPHENOL 227-200	Y133
AMPHENOL 227-350	Y132
AMPHENOL 227-375	Y131
AMPHENOL 227-400	Y130P
AMPHENOL 227-425	Y134
AMPHENOL 227-600	Y225
AMPHENOL 227-911	Y442
AMPHENOL 227-911	Y623
AMPHENOL 227-980-1	Y685
AMPHENOL 227-980-2	Y686
AMPHENOL 227-980-5	Y787P
AMPHENOL 294-1832	Y200P
AMPHENOL 294-532	Y200P
AMPHENOL 294GB-5031	Y731
AMPHENOL 48-326	Y477
AMPHENOL 611X1151	Y336
AMPHENOL 611X1275-1	Y564
AMPHENOL 790-5185	Y255S
AMPHENOL 790-5284	Y257
AMPHENOL 790-5285	Y254
AMPHENOL 790-5431	Y250
ASTRO. 613876	Y328
ASTRO. 615550	Y330
BURNDY MR833T1	Y2019

MANUFACTURER P/N	DMC P/N
BURNDY MR8PV-2	Y530
BURNDY MR8-PVS	Y524
BURNDY N10ET-23 (YELLOW CAVITY)	Y2088
BURNDY N14HET-25	Y881
BURNDY N14RT-10	Y818
BURNDY N22RVMT-10	Y512
BURNDY N22RVMT-15	Y817
BURNDY YAV9C-L36	Y948
DEUTSCH 20055	Y380
DEUTSCH 459961	Y1124
ITT CANNON 249-1400-000	Y249P
ITT CANNON 304-0445-000	Y894
ITT CANNON 317-1795-000	Y694
ITT CANNON 317-2071-000	Y824
ITT CANNON 317-7178-000	Y830
ITT CANNON 990-001-391/392	Y358
ITT CANNON 995-0001-761	Y704
ITT CANNON 995-0002-113	Y702
ITT CANNON 995-0002-228	Y793
ITT CANNON APK 15 & 25	Y831
ITT CANNON BUCH. 612992	Y331
ITT CANNON CCT-406M	Y321
ITT CANNON CCT-C1	Y316
ITT CANNON CCT-C10	Y320
ITT CANNON CCT-C2	Y555
ITT CANNON CCT-C3	Y317
ITT CANNON CCT-C5	Y318
ITT CANNON CCT-C6	Y319
ITT CANNON CCT-C8	Y558
ITT CANNON CCT-C9	Y559
ITT CANNON CCT-CKM1	Y560
ITT CANNON CCT-CTA	Y557
ITT CANNON CCT-CX2	Y556
ITT CANNON CCT-DM	Y322
KINGS KTH 1002	Y464
KINGS KTH 1061	Y575
KINGS KTH 1077	Y828P
KINGS KTH 1078	Y609
KINGS KTH 1079	Y630P
KINGS KTH 2002	Y269
KINGS KTH 2004	Y1560
KINGS KTH 2012	Y277
KINGS KTH 2021	Y339

MANUFACTURER P/N	DMC P/N
KINGS KTH 2022	Y1851
KINGS KTH 2024	Y1641
KINGS KTH 2024	Y423
KINGS KTH 2042	Y209P
KINGS KTH 2061	Y572
KINGS KTH 2062	Y575
KINGS KTH 2062	Y762P
KINGS KTH 2063	Y617
KINGS KTH 2064	Y574
KINGS KTH 2067	Y573
KINGS KTH 2067	Y760P
KINGS KTH 2081	Y613
KINGS KTH 2082	Y600
KINGS KTH 2087	Y1852P
KINGS KTH 2101	Y633
KINGS KTH 2102	Y1853
KINGS KTH 2103	Y680
KINGS KTH 2104	Y1561
KINGS KTH 2105	Y634
KINGS KTH 2127	Y635
KINGS KTH 2128	Y636
KINGS KTH 2135	Y1715
KINGS KTH 2138	Y1854
KINGS KTH 2140	Y837P
KINGS KTH 2161	Y679
KINGS KTH 2168	Y932
KINGS KTH 2175	Y940
KINGS KTH 2177	Y825
KINGS KTH 2180	Y829P
KINGS KTH 2207	Y888
KINGS KTH 2211	Y889
KINGS KTH 2212	Y890
KINGS KTH 2213	Y891
KINGS KTH 2213	Y910
KINGS KTH 2214	Y892
KINGS KTH 2216	Y893
KINGS KTH 2220	Y1855
KINGS KTH 2229	Y911
KINGS KTH 2231	Y1823P
KINGS KTH 2255	Y1848P
KINGS KTH 2258	Y2193P
KINGS KTH 683-514/0-3	Y397
KINGS KTH 683-51559	Y467
MAC PANEL 452303	Y430-MP

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MANUFACTURER P/N	DMC P/N
MAC PANEL 452314	Y1916P
MAC PANEL 452315	Y1927P
MOLEX 64003-1200 (RHT 1752)	Y1134
MOLEX 8657-5001/2	Y922
MOLEX 86760-5003	Y926
MS25312-1	Y510
MS25312-2	Y509
MS25312-3	Y508
MS25312-4	Y507
MS27143	Y627
MS27144	Y627
MS27148	Y627
RADIALL R282 235 901	Y915
RADIALL R282.235.9017	Y1058P
RADIALL R282.235.905	Y1034
RADIALL R282.235.906	Y1035
RADIALL R282.235.915	Y1860
RADIALL R282.235.916	Y1057P
RADIALL R282230	Y342
T&B RA18-188	Y580
T&B WT157N	Y689
T&B WT200	Y137
T&B WT200-06-08	Y360
T&B WT200-06-11	Y443
T&B WT201-03-10	Y410
T&B WT202-06-08	Y409
T&B WT202-06-08	Y411
T&B WT203	Y140
T&B WT209, 409	Y143
T&B WT210, 410	Y143
T&B WT215	Y139
T&B WT216	Y138
T&B WT218	Y145
T&B WT226	Y169
T&B WT227	Y170
T&B WT229	Y178
T&B WT230	Y179
T&B WT231	Y180
T&B WT232	Y173
T&B WT233	Y242
T&B WT234	Y293
T&B WT235	Y246
T&B WT238	Y245
T&B WT311	Y243
T&B WT400	Y203
T&B WT400	Y215
T&B WT400-02-08	Y219

MANUFACTURER P/N	DMC P/N
T&B WT401	Y201
T&B WT401, 406, 411	Y292
T&B WT402	Y214
T&B WT406	Y216
T&B WT406M	Y321
T&B WT411	Y190
T&B WT414	Y191
T&B WT419	Y192
TE 220009-1-B	Y827
TE 220015-1	Y587
TE 220045-2	Y588
TE 220066-1	Y586
TE 227-1400	Y800P
TE 277-980-3	Y773P
TE 45158-2	Y717
TE 45238-2	Y721
TE 45239-2	Y720
TE 45240-2	Y719
TE 45241-2	Y718
TE 46673	Y751A
TE 46673-1	Y751B
TE 46988	Y752
TE 49935	Y788
TE 501295-1	Y923
TE 52561	Y934A
TE 543424-2	Y906
TE 543424-5	Y903
TE 543424-6	Y905
TE 543424-7	Y904
TE 58237-1	Y902
TE 58237-2	Y897
TE 58238-2-A	Y896
TE 58249-1	Y692
TE 58249-1	Y1031
TE 58423-1	Y810P
TE 58423-2	Y811P
TE 59215	Y619
TE 59250	Y1060
TE 59255	Y753
TE 59275	Y1061
TE 59459	Y745
TE 59461	Y794
TE 59493-1	Y843
TE 59508	Y748
TE 59962-1	Y1997
TE 69149-2	Y732
TE 69223-1	Y733

MANUFACTURER P/N	DMC P/N
TE 69223-1	Y733
TE 69266-1	Y735
TE 69339	Y589
TE 69352	Y749
TE 69355	Y750
TE 69363	Y590
TE 69408	Y736
TE 69422	Y737
TE 69423	Y738
TE 69424-1	Y739
TE 69425	Y740
TE 69429-1	Y741
TE 69471	Y742
TE 69477-4	Y938
TE 69493-1	Y744
TE 69493F	Y743
TE 69646	Y746
TE 69646	Y537
TE 69693-1	Y1099
TE 69693-1	Y1100
TE 69692-1	Y1101
TE 69692-1	Y1102
TE 69726	Y1998
TE 69811	Y747
TE 85-35181-SK11	Y692
TE 90364-2-A	Y929
TE (RAYCHEM) AD1377	Y516
TE 460371	Y2132P
TE 543424-1	Y1135
TE 543425-1	Y1136
TE 576781	Y1130
TE 576784	Y2192
TE 58380-1	Y2154
TROMPETER CD5-10	Y776
TROMPETER CD5-11	Y777
TROMPETER CD5-120	Y789F
TROMPETER CD5-13	Y803
TROMPETER CD5-4	Y631
TROMPETER CD5-7	Y775
TROMPETER CD5-8	Y778
TROMPETER CD5-9	Y687
TYCO 59962-1	Y1997
TYCO 69726	Y1998
TYCO 90185-1	Y2020
TYCO 91337-2	Y1088
WALTER KIDDE M616229	Y412

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EMC3300 1.5 Ton Electromechanical Crimp Tool

The EMC3300 is engineered to precisely crimp stamped and formed contacts, terminals, and splices onto copper and aluminum wire. This lightweight electromechanical crimp tool offers an ergonomic advantage with its single trigger design and pre-clamp function. The EMC3300 has interchangeable die sets and accommodates some die sets supplied by connector sources.

EMC3300

RoHS COMPLIANT

26 to 10 AWG

Battery

Tools do not come with dies. Dies sold separately.

FEATURES

- Ensures operator safety with “safe distance” trigger closing control
- Quickly completes a crimp cycle in 1.3 seconds with 250 to 300 crimps per charge
- Improves component placement, cycle time, and quality with the built in pre-clamp function

Length	9.9”
Width	2.5”
Height	3.6”
Weight	2.2 lbs

Includes a carrying case, one 10.8V Lithium-ion battery, and one 110-120 VAC charger. The EMC3300-230 is available for international use.

EMC3300 KIT

DMC5033

1	EMC3300 Crimp Tool
6	Dies (EMC-105D, EMC-129D, EMC-199D, EMC-333D, EMC-1005D, and EMC-1006D)
14	Gages

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EMC3300 DIES AND APPLICATION

DMC DIE P/N	APPLICATION	AWG	FUNCTIONAL EQUIVALENT	DMC GAGE P/N
EMC-101D	W, R, B, Y INSULATED SPARE WIRE CAPS	0.075 - 0.210	TE 58573-1	A. G818, B. G819, C. G820, D. G821
EMC-102D	R, B, Y INSULATED TERMINALS	22 - 10	TE 58423-1	A.B.C. G931
EMC-102DL	SAME AS EMC-102D PLUS LOCATOR	22 - 10	TE 58423-1	A.B.C. G931
EMC-105D	MS20659-139	22 - 10	DCT4-105	A. G887, B. G886, C. G885
EMC-106D	0.042 SQ, 0.128 HEX, 0.178 HEX (RF CONNECTORS)	-	DCT4-106	A. NONE, B. G1212, C. G1222
EMC-108D	0.068 HEX, 0.213 HEX, 0.255 HEX	-	DCT4-108	A. G1287, B. G1257, C. G1188
EMC-117D	0.128 HEX, 0.178 HEX, 0.213 HEX, 0.255 HEX (AMPHENOL SOCAPEX SX660-0062)	-	DCT4-117	A. G1212, B. G1222, C. G1257, D. G1188
EMC-124D	0.178 HEX, 0.128 HEX, 0.068 HEX	-	DCT4-124	A. G1222, B. G1212, C. G1287
EMC-129D	M81824/1-X SPLICES	26 - 12	GMT232 (M22520/37-01)	A.B.C. G411
EMC-197D	TE PIDG / PLASTIC-GRIP R, B, Y TERMINALS	22 - 10	TE 2063030-1	A.B.C. G1464
EMC-199D	UNINSULATED TERMINALS	26 - 12	T&B ERG4002	NONE
EMC-200D	26-14 ULTRA-FAST FASTON	26 - 14	TE 58628-2	A. G1362, B. G1363, C. G1364
EMC-203D	R, B/G, Y/B INSULATED TERMINALS	26 - 10	TE 59824-1	NONE
EMC-204D	ULTRA-FAST 12-10 TERMINALS	12 - 10	TE 58630-1	A. G1146, B. G1189
EMC-209D	36964 SPLICE, 22-10 ECV & ECN SPLICES)	22 - 10	TE 217212-1	NONE
EMC-210D	FLAG TERMINALS	22 - 10	T&B ERG4004	NONE
EMC-278D	TE 60249-1	14 - 10	TE 58525-2	A.B.C.D G713
EMC-279D	10-22 AWG HEAT SHRINK TERMINALS	22 - 10	MOLEX 64016-041	A.B.C.D G713
EMC-280D	UNK 66360-3 SOCKET	14	TE 91519-1	A.B.C.D G713
EMC-283D	FLAG TERMINALS	22 - 18	TE 2-520129-2	A.B.C.D G713
EMC-1005D	UNINSULATED TERMINALS	22 - 10	TE 49935	A. G739, B. G740, C. G741
EMC-1006D	HIGH TEMP UNINSULATED TERMINALS	22 - 10	GMT1006 TE46447	A. G327, B. G328, C. G329

DMC offers a complete line of manual DCT tools to complete the applications above.

DMC P/N	DESCRIPTION
EMC3300	TOOL KIT WITH 110-120 VOLT CHARGER AND ONE BATTERY
EMC3300-230	TOOL KIT WITH 224-200 VOLT CHARGER AND ONE BATTERY
HDE-MBC110	110-120 VOLT CHARGER ONLY
HDE-MBC230	224-200 VOLT CHARGER ONLY
HDE-MBP108	10.8V BATTERY ONLY
HDE-USB	USB ADAPTER MODULE

Typical EMC dies with unique crimp cavities.

Confined Crescent

Hex

Nest and Indent

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GMT Series

General Maintenance Crimp Tools

DMC's GMT series crimp tools are connector supplier tools that are well-suited for a variety of standard OEM applications. Each GMT tool features a fixed jaw that is designed for crimping specific components such as stamped and formed contacts, insulated and uninsulated terminals, splices, end caps, and coaxial connectors. Several GMT tools come equipped with an integrated locator designed to secure components in an exact position, ensuring an optimal crimping process. Customers can expect consistently reliable outcomes and an extended operational lifespan.

The GMTE series battery powered crimp tools are equivalent to our GMT manual tools, but with the added advantages of 1.5 tons of portable power and high-tech features like Bluetooth® connectivity. You can monitor tool performance, user activity, project progress, and access real-time crimp data that is collected through a mobile app or download. The ergonomic design allows for effortless, one-handed operation and spring-loaded jaws assist in loading components and mid-cycle adjustments. These battery powered tools include a carrying case, two 18V 2.0 Ah, Lithium-ion batteries, and one smart charger.

GMTE Tools
4.5" x 2.9" x 13.5"
3.2 lbs

PMT series tools represent the pneumatic counterpart to our GMT tools and rely on compressed air as the source of power. These tools are exceptionally well-suited for scenarios involving high-production runs where shop air is readily accessible. The spring-loaded jaws and large activating lever makes single-handed operation possible while the addition of the WA10A foot pedal and BM-2A bench mount make the tool suitable for bench top applications. Our PMT tools come equipped with a built-in D-ring for lanyard attachment to reduce the risk of accidental drops.

PMT Tools
9" x 2" x 2"
2.2 lbs

SCAN FOR NEW BATTERY TOOL FEATURES
qrco.de/BatteryToolsApp

GMT221

Rockwell Collins Thin-Line I and II Contacts 372-2514-080 and 372-2514-010

Dimensions (L X W X H)	8.8" x 2.3" x .9"
Weight	1.2 lbs

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE221C	BATTERY
PMT221	PNEUMATIC

Comparable to the Collins 359-0697-010 hand tool

GMT232

M81824 Series Environmental Splices

MIL M22520/37-01

G411 Go/No-Go Gage

QPL Approved

Dimensions (L X W X H)	8.8" x 2.3" x .9"
Weight	1.2 lbs

The GMT232 is suitable for low profile environmental splices between the range of 26-20 (red), 20-16 (blue), and 16-12 (yellow). The tool features a locator affixed to the jaws that holds the splice in place while terminating.

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE232C	BATTERY
PMT232	PNEUMATIC

Comparable to the TE AD1377 and AD1375 hand tool

GMT333

SAE-AS20659 Uninsulated Terminals
MS25486 External Power Plug Socket (size 12)

MIL M22520/38-02

G1356 Go/No-Go Gage

Dimensions (L X W X H)	8.5" x 2.5" x .5"
Weight	1.2 lbs

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE333C	BATTERY
PMT333	PNEUMATIC

The GMT333 is designed to crimp certain terminals and external power sockets. It is the replacement for the M22520/24 plier crimp tool and the M22520/38-01. Use the GMT333 with the GMT337 to form the insulation support when crimping SAE-AS20659 terminals.

GMT337

SAE-AS20659 Uninsulated Terminals
MS25486 External Power Plug Socket (size 12)

MIL M22520/38-03

Dimensions (L X W X H)	5.2" x 2" x .7"
Weight	4.4 oz

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GMT1005

Solistrand Uninsulated Terminals

G739, G740, G741 Go/No-Go Gage

Dimensions (L X W X H)	8.4" x 2.5" x .5"
Weight	12.8 oz

The GMT1005 is suitable for terminating uninsulated, tin-plated, copper terminals between the range of 22-10 AWG.

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE1005C	BATTERY
PMT1005	PNEUMATIC

The gages are G739 for 22-16 AWG, G740 for 16-14 AWG, and G741 for 12-10 AWG.

Comparable to the TE 49935 hand tool

GMT1006

Strato-therm Uninsulated Terminals

G327, G328, G329 Go/No-Go Gage

Dimensions (L X W X H)	8.4" x 2.5" x .5"
Weight	12.8 oz

The GMT1006 is suitable for terminating uninsulated, nickel-plated, copper terminals and uninsulated, nickel terminals between the range of 22-10 AWG.

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE1006C	BATTERY
PMT1006	PNEUMATIC

The gages are G327 for 22-16 AWG, G328 for 16-14 AWG, and G329 for 12-10 AWG.

Comparable to the TE 46447 hand tool

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GMT1090

M81824/12
Environmental Splices

M22520/44-01

G1122 Go/No-Go Gage

QPL Approved

The GMT1090 is suitable for cold applied environmental splices between the range of 26-12 AWG. This crimp tool is ideal for applications where a heat source is not allowed. It also features a locator affixed to the jaws that holds the splice in place while terminating.

DMC POWERED EQUIVALENT P/N	POWER TYPE
GMTE1090C	BATTERY

Comparable to the TE AD-1381 hand tool

Dimensions (L X W X H)	8.8" x 2.3" x .5"
Weight	1.2 lbs

GMT SERIES CROSS-REFERENCE

Consult DMC for additional applications

MANUFACTURER	APPLICATION	MANUAL TOOL P/N	BATTERY TOOL P/N	PNEUMATIC TOOL P/N
ELCO	ELCO CONTACTS ACCM. Z841-Z842, 60-8017-0313	GMT209	N/A	PMT209
ITT CANNON	ZIF CONNECTOR, SERIES DL, CONTACTS ACCM. 030-2064-010 014 028	GMT206	N/A	PMT206
	D-SUB ECONOMY STANDARD SIZE 20, CONTACTS ACCM. D1100238-34, 35	GMT247	N/A	PMT247
	DL SERIES ZIF CONTACTS ACCM. 030-2064-028/031	GMT260	N/A	N/A
	CCT-D*C-4	GMT287	N/A	N/A
MOLEX	.093" DIA, CONTACTS ACCM. 1189-1190, 1380-1381, 1450-1451 1589-1590, 2046-2047, 2151-2152 2236-2237, 2282-2283	GMT201	N/A	PMT201
	.093" DIA, CONTACTS ACCM. 1560-1561 1786-1787	GMT202	N/A	N/A
	.156" KK TRIFURCON SERIES, CONTACTS ACCM. 2477-2478 2870-2871	GMT203	GMTE203C	PMT203
	.093" DIA CLAPSCON SERIES, CONTACTS ACCM. 1433-1434 6893-6894	GMT204	N/A	PMT204

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MANUFACTURER	APPLICATION	MANUAL TOOL P/N	BATTERY TOOL P/N	PNEUMATIC TOOL P/N
TE	PCB TERMINALS AND DISCONNECTS, .058" DIA. CONTACTS ACCM. 60983 60789	GMT211	N/A	PMT211
	TE TYPE XI CONTACTS ACCM. 203802, 203816, 203874, 203875	GMT220	GMTE220C	N/A
	MOD U SERIES TYPE IV, IV1/2 & V CONTACTS ACCM. 87045-87046, 87522-87523, 87309- 87110, 87195, 87313, 3010-02102-0100	GMT230	N/A	PMT230
	CPC SERIES, SIZE 20DF, CONTACTS ACCM. 205201-205202, 205310-205311	GMT241	N/A	N/A
	TE MATE-N-LOK SERIES 60620, 60619	GMT245	N/A	PMT245
	TAB SERIES 66168, 66143, 66169, 66144	GMT262	N/A	N/A
	CONTACT ACCM. 87165, MOLEX CONTACT ACCM. 700580104	GMT295	N/A	N/A
	69363	GMT332	N/A	N/A
	TE MULTIMATE TYPE III+ SERIES. CONTACTS ACCM. 66099, 66101, 66103 66105, 66107, 66109 66646, 66589, 66590 66593, 66596, 66237 66242, 66306, 66311	GMT208	N/A	PMT208
	MOD U SERIES TYPE MOD IV CONTACTS ACCM. 86015, 86016, 87045-87046, MP2500, MT2500	GMT225	N/A	PMT225
	SIZE 20DF, CONTACTS ACCM. 66504-66507, 1801-004, 005, 006, 020, 021, 022	GMT226	N/A	N/A
TERADYNE	TERADYNE 600-0026-000 I/O SERIES, CONTACTS ACCM. 001-6500-51	GMT263	GMTE263C	N/A

TE Adapter Tools

DMC has developed TE adapter tools to convert manual double-action hand tools, heavy head tools, and single action hand tools. Converted tools provide the same crimp functionality as the manual tools with the added benefit of ergonomics, portable power, and next-generation connectivity.

HDE-1213757C

Double Action Hand Tool (DAHT)

RoHS COMPLIANT

Scissor Head

Battery

Heads not included.

SCAN FOR NEW TOOL FEATURES
qrco.de/BatteryToolsApp

FEATURES

- Compatible with double action heads
- Automatically retracts push rod when the crimp cycle is completed
- Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app
- Alerts user of an incomplete crimp via a built-in pressure sensor

Length	4.5”
Width	2.9”
Height	13.4”
Weight	3.9 lbs

Includes a carrying case, two 18V Lithium-ion batteries, and one 110-120 VAC charger. The HDE-1213757C-230 is available for international use.

TE DOUBLE ACTION HAND TOOLS	
MANUFACTURER P/N	**APPLICATION**
220009-1	BNC DUAL CRIMP
220045-2	COAXICON 50 OHM C, HN, N, AND TNC SERIES RF CONNECTORS
220061-1	SMA
220066-1	ARINC 3 CRIMP
46447	SOLISTRAND AND STRATO-THERM 22-10 AWG
46673	STRATO-THERM 22-16 AWG
46673-1	W-DG STRATO-THERM 22-16 AWG
46988	W-DG STRATO-THERM 16-14 AWG
47386	PIDG 22-16 AWG
49935	SOLISSTRAND 22-10 AWG
59962-1	SMA FLEX CABLE
69324-1	SOLISTRAND AND STRATO-THERM SOLISTRAND ON STRANDED WIRE ONLY 22-10 AWG
69477-2	COAXICON
90185-1	PIDG FASTON 22-18 AWG

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HDE-1804902C

Heavy Head Tool (HHT)
Single Action Hand Tool (SAHT)

Heavy Head

C-Head

Battery

Heads not included.

SCAN FOR NEW TOOL FEATURES
qrco.de/BatteryToolsApp

FEATURES

Compatible with heavy heads and single action hand tools ("C" heads)

Automatically retracts push rod when the crimp cycle is completed

Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app

Alerts user of an incomplete crimp via a built-in pressure sensor

Length	4.5″
Width	2.9″
Height	12.7″
Weight	3.9 lbs

Includes a carrying case, two 18V Lithium-ion batteries, and one 110-120 VAC charger. The HDE-1804902C-230 is available for international use.

TE HEAVY HEAD TOOLS	
MANUFACTURER P/N	**APPLICATION**
220015-1	RF COAXIAL BNC DUAL CRIMP CONNECTORS
576778	STRATO-THERM 24-22 AWG
576779	STRATO-THERM 20 AWG
59239-4	PIDG, PLASTI-GRIP 12-10 AWG
59461	STRATO-THERM 12-10 AWG
69355	SOLISTRAND AND STRATO-THERM 8 AWG
90740-1	COAX (BOEING)

TE SINGLE ACTION HAND TOOLS (C-HEAD)	
MANUFACTURER P/N	**APPLICATION**
69710-1	C-HEAD FRAME
46251-2	DIAMOND GRIP 16-14 AWG
47806-2	PIDG, PLASTI-GRIP 26-24 AWG
47807-1	PIDG, PLASTI-GRIP 16-14 AWG AND 20-16 AWG
47808-6	PPIDG, PLASTI-GRIP 16-14 AWG AND 12-10 AWG
47808-5	PIDG, PLASTI-GRIP 16-14 AWG AND 2-10 AWG
47812	SOLISTRAND 22-16 AWG
47813	SOLISTRAND 16-14 AWG
47814*	SOLISTRAND 12-10 AWG, 16-14 H.D. AWG
69344	PIDG, PLASTI-GRIP 26-22 AWG
69342	PIDG, PLASTI-GRIP 24-20 AWG

**Stranded wire only.*

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36 Series Hydraulic Form Crimp Tools

36 series tools are form crimp tools that provide 4 tons of crimping force. These tools have the ability to crimp large power contacts with compatible HD36 Dies. 36 series tools easily crimp insulated and uninsulated terminals and other components onto copper and aluminum cable and up to .750" coaxial cable. Respective gages vary based on the type of die assembly.

HDE36C

8 to 0 AWG

Battery

Length	14.4"
Width	4.4"
Height	2.9"
Weight	4.1 lbs

Includes a carrying case, two Lithium-ion 18V batteries, and one 120 VAC charger. The HDE36C-230 is available for international use.

FEATURES

- Automatically opens dies when crimp is complete
- Performs well in confined work areas with it's 340° head rotation
- Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app

SCAN FOR NEW TOOL FEATURES
qrco.de/BatteryToolsApp

HD36

8 to 0 AWG

Manual Hydraulic

Tools do not come with dies. Dies sold separately.

FEATURES

- Rotatable head has a range of 180° for easy accessibility in confined working areas
- Prevents over-compression with an automatic relief valve
- Portable and compact design ideal for field use
- One-handed operation

Length	8.5"
Width	2.3"
Height	7"
Weight	3.3 lbs

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DIE SET P/N	FUNCTIONAL EQUIVALENT TOOL OR CRIMP APPLICATION	CRIMP TYPE	A CRIMP HEIGHT (IN.)	A LENGTH (IN.)	B CRIMP HEIGHT (IN.)	B LENGTH (IN.)
HD36-101	HUSKIE HD-58	Single Cavity Circular	Ø 0.552	0.180		
HD36-102	HUSKIE HD-34	Single Cavity	0.420 RAD.	0.180		
HD36-104	HOMAC 840	Single Cavity Hex	0.750 GAGE	0.225		
HD36-105N	ROBO-CRIMP	Single Cavity Hex	0.198	0.185		
HD36-106N	ROBO-CRIMP	Single Cavity Hex	0.222	0.185		
HD36-107N	ROBO-CRIMP	Single Cavity Hex	0.280	0.155		
HD36-109	HOMAC 5/8	Single Cavity Hex	0.520 GAGE	0.340		
HD36-110N	T&B 683-53701-1	Hex Cavity	0.530	0.344		
HD36-111N	8 AWG UNINSULATED TERMINALS	Single Indent	0.135 GAGE	0.312		
HD36-112N	6 AWG UNINSULATED TERMINALS	Single Indent	0.126 GAGE	0.312		
HD36-113N	4 AWG UNINSULATED TERMINALS	Single Indent	0.206 GAGE	0.344		
HD36-114N	2 AWG UNINSULATED TERMINALS	Single Indent	0.265 GAGE	0.344		
HD36-115N	PEN-011-2, & PEN-011-3	Double Cavity Hex	0.226	0.110	0.169	0.110
HD36-116N	PEN-011-1, & PEN-011-4	Double Cavity Hex	0.284	0.110	0.114	0.110
HD36-131	1/0 AWG UNINSULATED TERMINALS	Single Cavity Hex	0.446	0.344		
HD36-132	2/0 AWG UNINSULATED TERMINALS	Single Cavity Hex	0.487	0.344		
HD36-136	6 AWG INSULATED TERMINALS (BLUE), TE 1490598-1 & 47821	Confined Crescent	0.240 GAGE	0.375		
HD36-137	4 AWG INSULATED TERMINALS (YELLOW), TE 1490599-1 & 47822	Confined Crescent	0.272 GAGE	0.375		
HD36-139	8 AWG INSULATED TERMINALS (RED), TE 1490597-1 & 47820	Confined Crescent	0.204 GAGE	0.250		
HD36-170	TE 90140-1 EQUIVALENT	F Crimp	0.108	0.250		
HD36-171	TE 2349000-2 AND 2349002-2 8 AWG	F Crimp	0.122	0.285		
HD36-172	TE 2349000-2 AND 2349002-2 10 AWG	F Crimp	0.102	0.230		
HD36-173	TE 2349000-1 AND 2349002-1 12 AWG	F Crimp	0.093	0.200		
HD36-174	TE 2349000-1 AND 2349002-1 14 AWG	F Crimp	0.084	0.175		

Typical HD36 dies with unique crimp cavities.

Nest and Indent

Confined Crescent

Circular

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51 Series Hydraulic Form Crimp Tools

The 51 series tools are form crimp tools that provide 6 tons of crimping force using HD51 Dies. These tools have the ability to crimp insulated terminals onto cables sizes 8 to 2 AWG and uninsulated terminals onto cable sizes 8 to 2/0 AWG. All 51 series tools are equipped with a 340° rotating head that enhances maneuverability. Respective gages vary based on the type of die assembly used. Dies are sold separately.

HDE51C

RoHS COMPLIANT

8 to 2/0 AWG

MIL M5259/8-01

Battery

QPL Pending

SCAN FOR NEW TOOL FEATURES
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FEATURES

Automatically opens dies when crimp is complete

Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app

Length	15.4”
Width	2.9”
Height	4.6”
Weight	5.9 lbs

Includes a carrying case, two 18V Lithium-ion batteries, and one 120 VAC battery charger. The HDE51C-230 is available for international use.

XHD51

8 to 2/0 AWG

MIL M5259/4-01

Remote Hydraulic

QPL Pending

Tools do not come with dies. Dies sold separately.

FEATURES

Ideal for high volume production lines and maintenance rework centers

Can be used as a hand-held or mounted tool when used with the XHD51-BM

Can be powered by any of the HPU series pumps but ideally used with the HPU11M

Length	9”
Width	2”
Height	2.8”
Weight	3.9 lbs

Find pneumatic accessories on page 131.

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HD51

8 to 2/0 AWG

Manual Hydraulic

M5259/5-01

QPL Pending

FEATURES

Large and efficient hydraulic pump system reduces the number of closures to crimp

Comfortable handle grips for the best ergonomic advantage

Length	14″
Width	2″
Height	5″
Weight	4.6 lbs

Includes one carrying case.

51 SERIES KIT

DMC1383

1	HD51 Crimp Tool
6	M5259/7 Die Sets for Uninsulated Terminals (-010 thru -015)
4	M5259/7 Die Sets for Insulated Terminals (-016 thru -019)

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HD51 DIES AND APPLICATION

Contact DMC for custom dies

DMC P/N	MILITARY P/N	WIRE (AWG)	APPLICATION	CRIMP TYPE	MILITARY GAGE P/N	DMC GAGE P/N	A CAV/LGTH (IN.)	B CAV/ LGTH (IN.)
HD51-118N	N/A	8	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-001	G1150*	0.115 / 0.312	N/A
HD51-119N	N/A	6	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-002	G1151*	0.126 / 0.312	N/A
HD51-120N	N/A	4	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-003	G1152*	0.131 / 0.312	N/A
HD51-121N	N/A	2	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-004	G1153*	0.190 / 0.312	N/A
HD51-123N	N/A	1/0	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-005	G1154*	0.275 / 0.470	N/A
HD51-124N	N/A	2/0	UNINSULATED AS7928 COPPER TERMINALS AND AS7974 CONTACTS	Double Indent	M5259/6-006	G1155*	0.320 / 0.470	N/A
HD51-131	N/A	8 & 2	UNINSULATED TERMINALS	Female Nest	N/A	G747 (2 AWG) G744 (8 AWG)	R 0.275 / 0.312	R 0.145 / 0.312
HD51-132	N/A	6 & 4	UNINSULATED TERMINALS	Female Nest	N/A	G746 (4 AWG) G745 (6 AWG)	R 0.219 / 0.312	R 0.188 / 0.312
HD51-133	N/A	8 & 2	INSULATED TERMINALS	Confined Crescent	N/A	G801 (2 AWG) G682 (8 AWG)	0.312 (CAV)	0.170
HD51-134	N/A	6 & 4	INSULATED TERMINALS	Confined Crescent	N/A	G684 (4 AWG) G683 (6 AWG)	0.202 (CAV)	0.254
HD51-192	N/A	8	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-8	G720	0.210 / 0.310	N/A
HD51-193	N/A	6	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-6	G721	0.240 / 0.310	N/A
HD51-194	N/A	4	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-4	G722	0.299 / 0.372	N/A
HD51-195	N/A	2	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-2	G833	0.377 / 0.435	N/A
HD51-196	N/A	1	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-1	G834	0.417 / 0.435	N/A
HD51-197	N/A	1/0	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-01	G835	0.456 / 0.435	N/A
HD51-198	N/A	2/0	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Hex	MS90486-02	G836	0.500 / 0.470	N/A
HD51-199	N/A	8	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-001	G1486	0.115 / 0.312	N/A
HD51-200	N/A	6	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-002	G1487	0.126 / 0.312	N/A
HD51-201	N/A	4	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-003	G1488	0.131 / 0.312	N/A

**Gages are QPL pending.*

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DMC P/N	MILITARY P/N	WIRE (AWG)	APPLICATION	CRIMP TYPE	MILITARY GAGE P/N	DMC GAGE P/N	A CAVITY / LENGTH
HD51-202	N/A	2	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-004	G1489	0.190 / 0.312
HD51-203	N/A	1/0	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-005	G1490	0.275 / 0.470
HD51-204	N/A	2/0	UNINSULATED COPPER AS7928 TERMINALS, AS39029 CONTACTS, & AS7974 CONTACTS	Indent	M5259/6-006	G1491	0.320 / 0.470
HD51-205	MS23002-8	8	INSULATED COPPER AS7928 TERMINALS	Confined Crescent	MS23003-8	G723	0.170 / 0.250
HD51-206	MS23002-6	6	INSULATED COPPER AS7928 TERMINALS	Confined Crescent	MS23003-6	G724	0.202 / 0.312
HD51-207	MS23002-4	4	INSULATED COPPER AS7928 TERMINALS	Confined Crescent	MS23003-4	G725	0.254 / 0.375
HD51-208	MS23002-2	2	INSULATED COPPER AS7928 TERMINALS	Confined Crescent	MS23003-2	G281	0.312 / 0.470

**Gages are QPL pending.*

Typical HD51 dies with unique crimp cavities.

Confined Crescent

Hex

Nest and Indent

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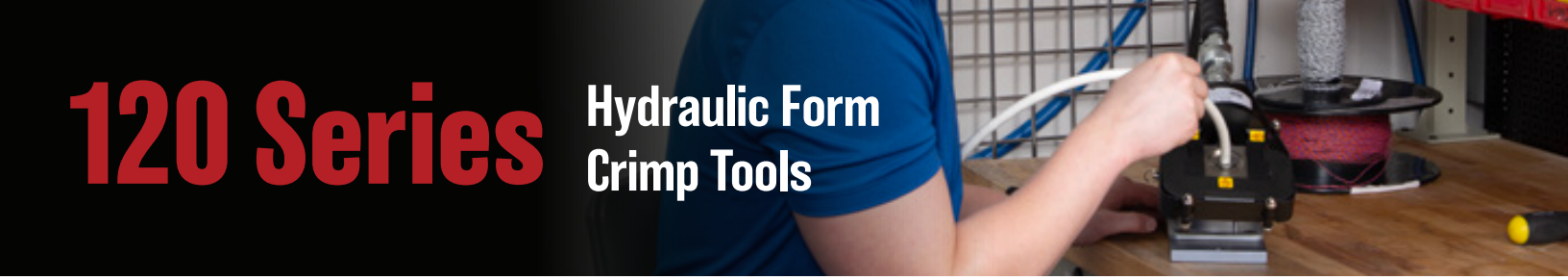
120 Series Hydraulic Form Crimp Tools



The 120 series contains tools that exert 12 tons of crimp force and are suitable for large gauge wires. The tools are compatible with MS23002-XX dies (for insulated terminals), MS90485-XX dies (for uninsulated terminals) and MS25442-XX dies (for aluminum terminals).

HDE120C

Length	17”
Width	3”
Height	14.8”
Weight	17.7

Includes a carrying case, two Lithium-ion 18V batteries, one charger, and one shoulder strap.

8 to 4/0 AWG

Battery Hydraulic

FEATURES

Automatically retracts dies after a complete crimp

Prevents over-compression with an automatic relief valve

Tool tracks performance, users, and crimp data on the LED display or can be downloaded via an app

Completes 150 crimps per charge

RoHS COMPLIANT

SCAN FOR NEW TOOL FEATURES
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TBHD1M

Length	10”
Width	1.13”
Height	6”
Weight	9.6 lbs

Compatible with HPU11M hydraulic pump.

8 to 4/0 AWG

MIL MS25441-1

Remote Hydraulic

QPL Approved

FEATURES

Ability to be used as a hand-held or mounted tool when used with the BM-2A

Find the hydraulic pump accessories on page 132.

HD120

Length	21.3”
Width	5.8"
Height	3"
Weight	14.6 lbs

Includes a carrying case.

8 to 4/0 AWG

MIL M5259/3-01

Manual Hydraulic

QPL Pending

FEATURES

Rotatable head has a scope of 340° for easy accessibility in confined working areas.

Two stage pump facilitates faster crimping

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HD120 DIES AND APPLICATION

Confined Crescent for Insulated Copper Terminals

Hex Cavity for Uninsulated Copper Terminals

Hex Cavity for Uninsulated Aluminum Terminals

	LUG SIZE	DMC P/N	MIL P/N	DMC GAGE P/N	MILITARY GAGE P/N
HD002 DIES	4/0	HD002-04	MS23002-04	G729	MS23003-04
	3/0	HD002-03	MS23002-03	G282	MS23003-03
	2/0	HD002-02	MS23002-02	G728	MS23003-02
	1/0	HD002-01	MS23002-01	G727	MS23003-01
	1	HD002-1	MS23002-1	G726	MS23003-1
	2	HD002-2	MS23002-2	G281	MS23003-2
	4	HD002-4	MS23002-4	G725	MS23003-4
	6	HD002-6	MS23002-6	G724	MS23003-6
	8	HD002-8	MS23002-8	G723	MS23003-8
HD485 DIES	4/0	HD485-04	MS90485-04	G838	MS90486-04
	3/0	HD485-03	MS90485-03	G837	MS90486-03
	2/0	HD485-02	MS90485-02	G836	MS90486-02
	1/0	HD485-01	MS90485-01	G835	MS90486-01
	1	HD485-1	MS90485-1	G834	MS90486-1
	2	HD485-2	MS90485-2	G833	MS90486-2
	4	HD485-4	MS90485-4	G722	MS90486-4
	6	HD485-6	MS90485-6	G721	MS90486-6
	8	HD485-8	MS90485-8	G720	MS90486-8
HD442 DIES	4/0	HD442-04A	MS25442-04A	G1137	MS25472-9
	3/0	HD442-03A	MS25442-03A	G1136	MS25472-8
	2/0	HD442-02A	MS25442-02A	G1135	MS25472-7
	1/0	HD442-01A	MS25442-01A	G1134	MS25472-6
	1	HD442-1A	MS25442-1A	G1133	MS25472-5
	2	HD442-2A	MS25442-2A	G1132	MS25472-4
	4	HD442-4A	MS25442-4A	G1131	MS25472-3
	6	HD442-6A	MS25442-6A	G1130	MS25472-2
	8	HD442-8A	MS25442-8A	G1129	MS25472-1

The dies above are qualified to AS5259/7 (Crimp Dies). Additional dies are available, contact DMC.

	DMC P/N	SIZE	EQUIVALENT TOOL OR CRIMP APPLICATION	CRIMP TYPE	A CAVITY (IN.)	A LENGTH (IN.)
HD12 DIES	HD12-100	4 AWG	TE 48173 or 1490413-3 & 1490414-2	W CRIMP	0.189 GAGE	0.400
	HD12-101	2 AWG	TE 48174 or 1490413-4 & 1490414-2	W CRIMP	0.217 GAGE	0.469
	HD12-102	1/0 AWG	TE 48183 or 1490413-5 & 1490414-3	W CRIMP	0.247 GAGE	0.500
	HD12-103	3/0 AWG	TE 45442	W CRIMP	0.263 GAGE	0.625
	HD12-104	35 mm^2	HYPERTRONICS HBB-950-8-35-A	HEX CRIMP	0.409	0.750
	HD12-105	35 mm^2	HYPERTRONICS HBB-950-8-35-B	HEX CRIMP	0.426	0.750
	HD12-106	50 mm^2	HYPERTRONICS HBB-950-8-50-A & HBB-950-10-50-A	HEX CRIMP	0.477	0.750
	HD12-107	50 mm^2	HYPERTRONICS HBB-950-8-50-B & HBB-950-10-50-B	HEX CRIMP	0.512	0.750
	HD12-108	70 mm^2	HYPERTRONICS HBB-950-8-70-A & HBB-10-70-A	HEX CRIMP	0.563	0.750
	HD12-109	70 mm^2	HYPERTRONICS HBB-950-8-70-B & HBB-950-10-70-B	HEX CRIMP	0.579	0.750
	HD12-111	95 mm^2	HYPERTRONICS HBB-950-10-95-A	HEX CRIMP	0.614	0.750
	HD12-112	95 mm^2	HYPERTRONICS HBB-950-10-95-B	HEX CRIMP	0.648	0.750
	HD12-113	120 mm^2	HYPERTRONICS HBB-950-10-120-A	HEX CRIMP	0.665	0.750
	HD12-114	120 mm^2	HYPERTRONICS HBB-950-10-120-B	HEX CRIMP	0.716	0.750
	HD12-115	8 AWG	TE 1490413-1 & 1490414-1	W CRIMP	0.103	0.281
	HD12-116	6 AWG	TE 1490413-2 & 1490414-2	W CRIMP	0.158	0.341
	HD12-117	2/0 AWG	TE 1490413-6 & 1490414-3	W CRIMP	0.278	0.625
	HD12-118	4/0 AWG	TE 1490413-8 & 1490414-3	W CRIMP	0.350	0.625
	HD12-119	8 AWG	BURNDY DV8L1 & Y29PL	SINGLE INDENT	0.144	0.390

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Accessories

DMC offers accessories that assist operators and technicians with meeting their distinct production needs. Several of the accessories below enhance ergonomics and efficiencies while adhering to strict quality requirements.

BM-2A
Bench Mount

FEATURES

- Fully adjustable
- Attachable to work surface if desired
- Base and mounting post both rotate 360°

WA10A
Foot Valve Assembly

FEATURES

- Ideal for PMT and WA series tools
- Portable foot pedal that works on any work bench
- Compatible with standard air fittings

12-3001

The 12-3001 is a nine foot air hose assembly that is supplied with all WA series pneumatic crimp tools.

12-4040

AS5259/2-01

The 12-4040 is a 10 foot heavy-duty hydraulic hose with couplings. It is suitable for use with remote crimp heads and is supplied with pumps.

APMOD

The APMOD allows for WA series pneumatic tools to be automated for high production settings. Operators can order an already modified pneumatic tool or a kit that upgrades their traditional tool. Consult DMC for more information.

WA27RF

Regulator Filter

This optional accessory effectively regulates and filters pressurized air. Multiple crimp tools can be attached to one regulator. All WA series pneumatic crimp tools are compatible with the WA27RF.

HPU11-PG

Pressure Gage

The HPU11-PG measures hydraulic pressure and is recommended for cycle pressure monitoring. It is suitable for remote crimp heads or on pump output fittings.

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DMC offers a variety of hydraulic powered pumps to power our remote crimp head tools. Each of these tools provide a maximum output of 10,000 psi and come with a heavy-duty hose. The HPU series pumps meet the requirements of the SAE-AS5259/2 spec for large gauge crimp tools, dies and terminals.

HPU11M

Pneumatic Hydraulic

FEATURES

Foot operated pump with pressure pedal, release pedal, lock, and hydraulic gauge

Twice as fast as traditional air driven hydraulic pumps

Variable speed and pressure control

Dimensions (L X W X H)	13.8" x 11.5" x 6.3"
Weight	19.4 lbs

Requires input air of 30-125 psi. Includes 12-4040 (AS5259/2-01) heavy-duty hydraulic hose.

HPU12M

M5259/2-03

Manual Hydraulic

FEATURES

Two speed hand-actuated pump

Ideal for field use or shops where pneumatic air or electricity is not available

Internal pressure relief valve for overload protection

Dimensions (L X W X H)	22" x 4.8" x 7.3"
Weight	8.6 lbs

Includes 12-4040 (AS5259/2-01) heavy-duty hydraulic hose.

HPU13M

Battery

FEATURES

Ideal for the field or shop use where pneumatic air or electricity is not available

LCD display indicates battery charge and health

One-step pump automatically retracts dies in tool when connected

Dimensions (L X W X H)	14" x 6.5" x 11.3"
Weight	14.2 lbs

Includes two Lithium-ion 18V battery, a charger, and a 12-4040 (AS5259/2-01) heavy-duty hydraulic hose.

HPU15M

M5259/2-02

Manual Hydraulic

FEATURES

Two speed foot-actuated pump

Ideal for field use or shops where pneumatic air or electricity is not available

Internal pressure relief valve for overload protection

Dimensions (L X W X H)	23.8" x 7.8" x 7.5"
Weight	16 lbs

Includes 12-4040 (AS5259/2-01) heavy-duty hydraulic hose.

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TERMINALS AND SPLICES TOOL SELECTION GUIDE

DISCLAIMER OF LIABILITY

The information contained here has been compiled by DMC from various sources. It is presented as an aid to assist DMC's customers in selecting appropriate tooling for the assembly and maintenance of electrical wiring systems.

While DMC believes this information to be accurate, due to the complexity and volume of the information presented, DMC must and does disclaim any warranty for its accuracy.

In no event shall DMC be liable for consequential, incidental, special or other types of damages, loss of anticipated profits or for any other damages resulting from the use of the information presented herein.

SAE-AS7928/1

CLASS 1 INSULATED TERMINALS FOR WIRE 26-10 AWG

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL-APPROVED
M7928/1-1	26	YELLOW W/ BLACK STRIPE	X511	N/A	Y501 (WHITE)	Y678** (YELLOW)	N/A
M7928/1-2							
M7928/1-3							
M7928/1-4							
M7928/1-5							
M7928/1-6	24	YELLOW W/ BLUE STRIPE					
M7928/1-7							
M7928/1-8							
M7928/1-9							
M7928/1-10							
M7928/1-11	22	RED W/ GREEN STRIPE	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 M22520/40-01 (RED)
M7928/1-12							
M7928/1-13							
M7928/1-14							
M7928/1-15							
M7928/1-16							
M7928/1-17							
M7928/1-18							
M7928/1-19							
M7928/1-20	20	RED W/ RED STRIPE					
M7928/1-21							
M7928/1-22							
M7928/1-23							
M7928/1-24							
M7928/1-25							
M7928/1-26							
M7928/1-27							
M7928/1-28							
M7928/1-29	18	RED W/ WHITE STRIPE					
M7928/1-30							
M7928/1-31							
M7928/1-32							
M7928/1-33							
M7928/1-34							
M7928/1-35							
M7928/1-36							
M7928/1-37							

**Mil-approved die set not listed on AS7928/1 spec.*
***Non-mil qualified die set. Die set not listed on AS7928/1 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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SAE-AS7928/1

CLASS 1 INSULATED TERMINALS FOR WIRE 26-10 AWG

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL-APPROVED
M7928/1-38	16	BLUE W/ BLUE STRIPE	X511	Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 M22520/40-01 (BLUE)
M7928/1-39							
M7928/1-40							
M7928/1-41							
M7928/1-42							
M7928/1-43							
M7928/1-44							
M7928/1-45							
M7928/1-46							
M7928/1-47	14	BLUE W/ GREEN STRIPE					
M7928/1-48							
M7928/1-49							
M7928/1-50							
M7928/1-51							
M7928/1-52							
M7928/1-53							
M7928/1-54							
M7928/1-55							
M7928/1-56	12	YELLOW W/ YELLOW STRIPE	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
M7928/1-57							
M7928/1-58							
M7928/1-59							
M7928/1-60							
M7928/1-61							
M7928/1-62							
M7928/1-63	10	YELLOW W/ BROWN STRIPE					
M7928/1-64							
M7928/1-65							
M7928/1-66							
M7928/1-67							
M7928/1-68							
M7928/1-69							

**Mil-approved die set not listed on AS7928/1 spec.*
***Non-mil qualified die set. Die set not listed on AS7928/1 spec.*
Wire ranges and pictures are for reference only.

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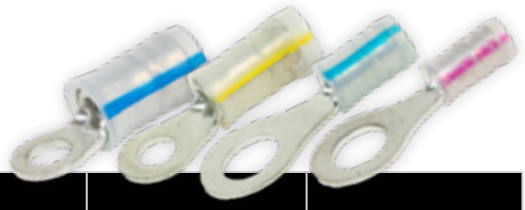
SAE-AS7928/4

CLASS 1 INSULATED TERMINALS FOR WIRE 26-10 AWG



TERMINAL PART NUMBER	WIRE (AWG)	STRIPE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL-APPROVED
M7928/4-143	26-24	YELLOW	X511	N/A	Y501 (WHITE)	Y678** (YELLOW)	N/A
M7928/4-144							
M7928/4-145							
M7928/4-146							
M7928/4-147							
M7928/4-101	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 M22520/40-01 (RED)
M7928/4-102							
M7928/4-103							
M7928/4-104							
M7928/4-105							
M7928/4-148							
M7928/4-149							
M7928/4-150							
M7928/4-151							
M7928/4-159							
M7928/4-106	16-14	BLUE	X511*	Y1116 (BLUE)		Y671** (BLUE)	AMT4001 M22520/40-01 (BLUE)
M7928/4-107							
M7928/4-108							
M7928/4-109							
M7928/4-110							
M7928/4-152							
M7928/4-153							
M7928/4-154							
M7928/4-155							
M7928/4-111	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
M7928/4-112							
M7928/4-113							
M7928/4-114							
M7928/4-156							
M7928/4-157							
M7928/4-158							

**Mil-approved die set not listed on AS7928/4 spec.*
***Non-mil qualified die set. Die set not listed on AS7928/4 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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SAE-AS7928/5

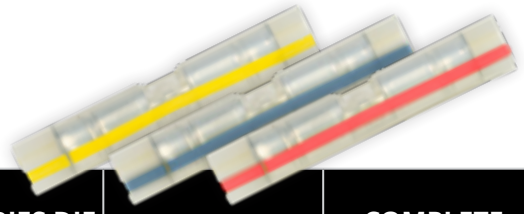
CLASS 1 INSULATED SPLICES FOR WIRE 26-10 AWG

SPLICE PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
M7928/5-1	26-24	YELLOW	X525	N/A	Y527	N/A	N/A
M7928/5-2	24-20	CLEAR (NATURAL)					
M7928/5-3	22-18	RED	X511	Y1115 (RED)	Y501 (WHITE) OR Y527 (WIRE (AWG) 22-20 ONLY)	N/A	N/A
M7928/5-4	16-14	BLUE		Y1116 (BLUE)	Y501 (WHITE)	N/A	N/A
M7928/5-5	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)		N/A	N/A

**Mil-approved die set not listed on AS7928/5 spec.*
***Non-mil qualified die set. Die set not listed on AS7928/5 spec.*
Wire ranges and pictures are for reference only.

SAE-AS7928/6

CLASS 1 INSULATED SPLICES FOR WIRE 26-10 AWG



SPLICE PART NUMBER	WIRE (AWG)	STRIPE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL-APPROVED
M7928/6-1	26-24	YELLOW	X525	N/A	Y527	N/A	N/A
M7928/6-2	24-20	WHITE					
M7928/6-3	22-18	RED	X511	Y1115 (RED)	Y527 (WIRE (AWG) 22-20 ONLY)	N/A	N/A
M7928/6-4	16-14	BLUE		Y1116 (BLUE)	N/A	N/A	N/A
M7928/6-5	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	N/A	N/A	N/A

Wire ranges and pictures are for reference only.

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SAE-AS7928/7

CLASS 1 UNINSULATED TERMINALS FOR WIRE 26-10 AWG

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE (SINGLE INDENT)	HX4 SERIES DIE (DOUBLE INDENT)	GMT SERIES TOOL (DOUBLE INDENT)
M7928/7-1	22-18	N/A	Y554*	Y788* (RED)	GMT1005*
M7928/7-2					
M7928/7-3					
M7928/7-4					
M7928/7-5					
M7928/7-6					
M7928/7-7	16-14			Y788* (BLUE)	
M7928/7-8					
M7928/7-9					
M7928/7-10					
M7928/7-11					

**Non-mil qualified die set/tool. Die set/tool not listed on AS7928/7 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

SAE-AS7928/13

CLASS 1 INSULATED TERMINALS FOR WIRE 26-10 AWG

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL-APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL-APPROVED
M7928/13-143	26-24	YELLOW	X511	N/A	Y501 (WHITE)	Y678** (YELLOW)	N/A
M7928/13-144							
M7928/13-145							
M7928/13-146							
M7928/13-147							
M7928/13-101	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 M22520/40-01 (RED)
M7928/13-102							
M7928/13-103							
M7928/13-104							
M7928/13-105							
M7928/13-148							
M7928/13-149							
M7928/13-150							
M7928/13-151							
M7928/13-159							
M7928/13-106	16-14	BLUE	X511*	Y1116 (BLUE)		Y671** (BLUE)	AMT4001 M22520/40-01 (BLUE)
M7928/13-107							
M7928/13-108							
M7928/13-109							
M7928/13-110							
M7928/13-152							
M7928/13-153							
M7928/13-154							
M7928/13-155							
M7928/13-111	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
M7928/13-112							
M7928/13-113							
M7928/13-114							
M7928/13-156							
M7928/13-157							
M7928/13-158							

**Mil-approved die set not listed on AS7928/13 spec.*
***Non-mil qualified die set. Die set not listed on AS7928/13 spec.*
Wire ranges and pictures are for reference only.

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SAE-AS81824/1

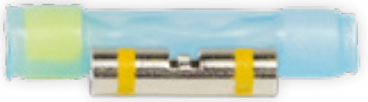
CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/1-1	D-436-36	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/1-2	D-436-37	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/1-3	D-436-38	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/1 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/6

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12



SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/6-1	D-436-82	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/6-2	D-436-83	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/6-3	D-436-84	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/6 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/7

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/7-1	D-436-0110	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/7-2	D-436-52	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/7-3	D-436-53	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/7 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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SAE-AS81824/8

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/8-1	D-436-85	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/8-2	D-436-86	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/8-3	D-436-87	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/8 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/9

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/9-1	D-436-0115	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/9-2	D-436-42	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/9-3	D-436-43	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/9 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/10

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/10-1	D-436-88	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/10-2	D-436-89	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/10-3	D-436-90	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/10 spec.*
Wire ranges and pictures are for reference only.

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SAE-AS81824/11

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/11-1	D-200-82	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/11-2	D-200-83	20-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/11-3	D-200-84	16-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/11 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/12

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	TE CONNECTIVITY (RAYCHEM)	WIRE (AWG)	COLOR CODE	COMPLETE TOOL MIL-APPROVED
M81824/12-1	D-436-36-COLD	26-20	RED	GMT1090 (RED)
M81824/12-2	D-436-37-COLD	18-16	BLUE	GMT1090 (BLUE)
M81824/12-3	D-436-38-COLD	14-12	YELLOW	GMT1090 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/12 spec.*
Wire ranges and pictures are for reference only.

SAE-AS81824/14

CLASS 1 INSULATED SPLICES FOR WIRE (AWG) 26-12

SPLICE PART NUMBER	WIRE (AWG)	COLOR CODE	HX3 SERIES DIE MIL-APPROVED	HX4 SERIES DIE MIL-APPROVED	HX4 SERIES DIE	COMPLETE TOOL MIL-APPROVED
M81824/14-1	26-20	RED	X528 (RED)	Y540 (RED)	Y516* (RED)	GMT232 (RED)
M81824/14-2	18-16	BLUE	X528 (BLUE)	Y540 (BLUE)	Y516* (BLUE)	GMT232 (BLUE)
M81824/14-3	14-12	YELLOW	X527	Y539	Y516* (YELLOW)	GMT232 (YELLOW)

**Non-mil qualified die set. Die set not listed on AS81824/14 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

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SAE-AS17143

CLASS 1 INSULATED TERMINALS, RECTANGULAR TONGUE FOR WIRE (AWG) 22-10

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS17143-1	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-2	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-3	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-4	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-5	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-6	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-7	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-8	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-9	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-10	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-11	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-12	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-13	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-14	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-15	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A

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TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS17143-16	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-17	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-18	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-19	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672** (RED)	AMT4001 (M22520/40-01) RED
MS17143-20	16-14	BLUE		Y1116 (BLUE)	Y501* (WHITE)	Y671** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS17143-21	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670** (YELLOW)	N/A
MS17143-22	22-18	RED	X511*	Y1115 (RED)	Y501* (WHITE)	Y672* (RED)	AMT4001 (M22520/40-01) RED
MS17143-23							
MS17143-24							
MS17143-25							

**Mil-approved die set not listed on AS17143 spec.*
***Non-mil qualified die set. Die set not listed on AS17143 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

SAE-AS20659

CLASS 1 UNINSULATED TERMINALS FOR WIRE (AWG) 22-18

TERMINAL PART NUMBER TIN PLATED	TERMINAL PART NUMBER NICKEL PLATED	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	SINGLE INDENT TOOLS MIL APPROVED	COMPLETE TOOL DOUBLE INDENT
MS20659-101	MS20659-201	22-18	N/A	Y554**	Y788** (RED)	GMT333 CAVITY A (CONDUCTOR CRIMP BARREL) GMT337 CAVITY E (WIRE INSULATION CRIMP)	GMT1005**
MS20659-102	MS20659-202						
MS20659-125	MS20659-225						
MS20659-138	MS20659-238						
MS20659-161	MS20659-261						
MS20659-162	MS20659-262						
MS20659-167	MS20659-267						
MS20659-168	MS20659-268						

SAE-AS20659

CLASS 1 UNINSULATED TERMINALS FOR WIRE (AWG) 16-14

TERMINAL PART NUMBER TIN PLATED	TERMINAL PART NUMBER NICKEL PLATED	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	SINGLE INDENT TOOLS MIL APPROVED	COMPLETE TOOL DOUBLE INDENT
MS20659-103	MS20659-203	16-14	N/A	Y554**	Y788** (BLUE)	GMT333 CAVITY B (CONDUCTOR CRIMP BARREL) GMT337 CAVITY D (WIRE INSULATION CRIMP)	GMT1005**
MS20659-104	MS20659-204						
MS20659-126	MS20659-226						
MS20659-127	MS20659-227						
MS20659-139	MS20659-239						
MS20659-163	MS20659-263						
MS20659-164	MS20659-264						
MS20659-169	MS20659-269						

SAE-AS20659

CLASS 1 UNINSULATED TERMINALS FOR WIRE (AWG) 12-10

TERMINAL PART NUMBER TIN PLATED	TERMINAL PART NUMBER NICKEL PLATED	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	COMPLETE TOOL FOR WIRE CONDUCTOR CRIMP MIL APPROVED SINGLE INDENT	COMPLETE TOOL DOUBLE INDENT
MS20659-105	MS20659-205	12-10	N/A	Y554**	Y788** (YELLOW)	GMT333 CAVITY C (CONDUCTOR CRIMP BARREL)	GMT1005**
MS20659-106	MS20659-206						
MS20659-128	MS20659-228						
MS20659-165	MS20659-265						
MS20659-166	MS20659-266						
MS20659-170	MS20659-270						

***Non-mil qualified tool/die set. Tool/die set not listed on AS20659 spec.*

Note: Terminals with optional insulation support must use HX4 with Y554. Tooling options GMT1005 and HX4 with Y788 are not applicable for terminals with optional insulation support. Wire ranges and pictures are for reference only.

SAE-AS20659

CLASS 1 UNINSULATED TERMINALS FOR WIRE (AWG) 8-4/0

TERMINAL PART NUMBER TIN PLATED	TERMINAL PART NUMBER NICKEL PLATED	WIRE (AWG)	COLOR CODE	HD120* OR TBHD1M*** HEX DIE (MIL APPROVED)	HD51* OR XHD51*** HEX DIE (MIL APPROVED)	HD51* OR XHD51*** SINGLE INDENT (MIL APPROVED)	HD36** SERIES DIE SINGLE INDENT
MS20659-107	MS20659-207	8	N/A	HD485-8	HD51-192* OR HD51-163P**	HD51-199*	HD36-111N**
MS20659-108	MS20659-208						
MS20659-129	MS20659-229						
MS20659-140	MS20659-140						
MS20659-141	MS20659-241						
MS20659-142	MS20659-242						
MS20659-109	MS20659-209	6		HD485-6	HD51-193*	HD51-200*	HD36-112N**
MS20659-110	MS20659-210						
MS20659-130	MS20659-230						
MS20659-131	MS20659-231						
MS20659-143	MS20659-243						
MS20659-111	MS20659-211	4		HD485-4	HD51-194*	HD51-201*	HD36-113N**
MS20659-112	MS20659-212						
MS20659-132	MS20659-232						
MS20659-144	MS20659-244						
MS20659-145	MS20659-245						
MS20659-113	MS20659-213	2		HD485-2	HD51-195*	HD51-202*	HD36-114N**
MS20659-114	MS20659-214						
MS20659-133	MS20659-233						
MS20659-146	MS20659-246						
MS20659-147	MS20659-247						
MS20659-148	MS20659-248						

**QPL pending. Contact DMC for QPL status.*

***Non-mil qualified tool/die set. Tool/die set not listed on AS20659 spec.*

****Tool requires air powered hydraulic pump (HPU11M) and hose assembly (12-4040).*

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SAE-AS20659

CLASS 1 UNINSULATED TERMINALS FOR WIRE (AWG) 8-4/0 CONTINUED

TERMINAL PART NUMBER TIN PLATED	TERMINAL PART NUMBER NICKEL PLATED	WIRE (AWG)	COLOR CODE	HD120* OR TBHD1M*** HEX MIL AP-PROVED***	HD51* OR XHD51*** HEX MIL APPROVED	HD51* OR XHD51*** SINGLE INDENT MIL APPROVED	HD36** SERIES DIE SINGLE INDENT
MS20659-115	MS20659-215	1	N/A	HD485-1	HD51-196*	N/A	N/A
MS20659-116	MS20659-216						
MS20659-134	MS20659-234						
MS20659-149	MS20659-249						
MS20659-150	MS20659-250						
MS20659-117	MS20659-217	1/0		HD485-01	N/A		
MS20659-118	MS20659-218						
MS20659-135	MS20659-235						
MS20659-151	MS20659-251						
MS20659-152	MS20659-252						
MS20659-119	MS20659-219	2/0		HD485-02			
MS20659-120	MS20659-220						
MS20659-136	MS20659-236						
MS20659-153	MS20659-253						
MS20659-154	MS20659-254						
MS20659-121	MS20659-221	3/0		HD485-03			
MS20659-122	MS20659-222						
MS20659-155	MS20659-255						
MS20659-156	MS20659-256						
MS20659-123	MS20659-223	4/0		HD485-04			
MS20659-124	MS20659-224						
MS20659-137	MS20659-237						
MS20659-157	MS20659-257						
MS20659-158	MS20659-258						
MS20659-159	MS20659-259						
MS20659-160	MS20659-260						

**QPL pending. Contact DMC for QPL status.*

***Non-mil qualified tool/die set. Tool/die set not listed on AS20659 spec.*

****Tool requires air powered hydraulic pump (HPU11M) and hose assembly (12-4040).*

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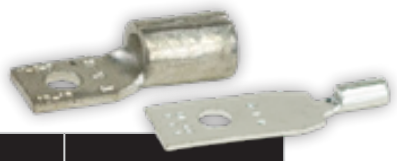
SAE-AS21004

CLASS 1 UNINSULATED TERMINALS, RECTANGULAR TONGUE FOR WIRE (AWG) 22-18



TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	SINGLE INDENT TOOL MIL APPROVED	COMPLETE TOOL DOUBLE INDENT
MS21004-1	22-18	N/A	Y554**	Y788** (RED)	GMT333 CAVITY A (CONDUCTOR CRIMP BARREL) GMT337 CAVITY E (WIRE INSULATION CRIMP)	GMT1005**
MS21004-2						
MS21004-3						
MS21004-4						
MS21004-5						
MS21004-6						
MS21004-7						

SAE-AS21004

CLASS 1 UNINSULATED TERMINALS, RECTANGULAR TONGUE FOR WIRE (AWG) 16-14

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	SINGLE INDENT TOOL MIL APPROVED	COMPLETE TOOL DOUBLE INDENT
MS21004-8	16-14	N/A	Y554**	Y788** (BLUE)	GMT333 CAVITY B (CONDUCTOR CRIMP BARREL) GMT337 CAVITY D (WIRE INSULATION CRIMP)	GMT1005**
MS21004-9						
MS21004-10						
MS21004-11						
MS21004-12						
MS21004-13						
MS21004-14						

SAE-AS21004

CLASS 1 UNINSULATED TERMINALS, RECTANGULAR TONGUE FOR WIRE (AWG) 12-10

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX4 SERIES DIE SINGLE INDENT (MULTI CAVITY)	HX4 SERIES DIE DOUBLE INDENT (MULTI CAVITY)	COMPLETE TOOL SINGLE INDENT MIL APPROVED	COMPLETE TOOL DOUBLE INDENT
MS21004-15	12-10	N/A	Y554**	Y788** (YELLOW)	GMT333 CAVITY C (CONDUCTOR CRIMP BARREL)	GMT1005**
MS21004-16						
MS21004-17						
MS21004-18						
MS21004-19						
MS21004-20						
MS21004-21						

***Non-mil qualified tool/die set. Tool/die set not listed on AS21004 spec.*
Wire ranges and pictures are for reference only.
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

SAE-AS25036
CLASS 1 INSULATED TERMINALS FOR WIRE (AWG) 26-24

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS25036-143	26-24	YELLOW	X511	N/A	Y501 (WHITE)	N/A	N/A
MS25036-144							
MS25036-145							
MS25036-146							
MS25036-147							

SAE-AS25036
CLASS 1 INSULATED TERMINALS FOR WIRE (AWG) 22-18

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS25036-101	22-18	RED	X511**	Y1115 (RED)	Y501** (WHITE)	Y672*** (RED)	AMT4001 (M22520/40-01) RED
MS25036-102							
MS25036-103							
MS25036-104							
MS25036-105							
MS25036-148							
MS25036-149							
MS25036-150							
MS25036-151							
MS25036-159							

SAE-AS25036
CLASS 1 INSULATED TERMINALS FOR WIRE (AWG) 16-14

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS25036-106	16-14	BLUE	X511**	Y1116 (BLUE)	Y501** (WHITE)	Y671*** (BLUE)	AMT4001 (M22520/40-01) BLUE
MS25036-107							
MS25036-108							
MS25036-109							
MS25036-110							
MS25036-152							
MS25036-153							
MS25036-154							
MS25036-155							

***Mil-approved tool/die set. Tool/die set not listed on AS25036 spec.*
****Non-mil qualified tool/die set. Tool/die set not listed on AS25036 spec.*
Wire ranges and pictures are for reference only.

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SAE-AS25036

CLASS 1 INSULATED TERMINALS FOR WIRE (AWG) 12-10

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HX3 SERIES DIE MIL APPROVED	HX4 SERIES DIE MIL APPROVED (SINGLE CAVITY)	HX4 SERIES DIE MIL APPROVED (MULTI CAVITY)	HX4 SERIES DIE (SINGLE CAVITY)	COMPLETE TOOL MIL APPROVED
MS25036-111	12-10	YELLOW	X515 (YELLOW)	Y1117 (YELLOW)	Y501 (YELLOW)	Y670*** (YELLOW)	N/A
MS25036-112							
MS25036-113							
MS25036-114							
MS25036-156							
MS25036-157							
MS25036-158							

SAE-AS25036

CLASS 1 INSULATED TERMINALS FOR WIRE (AWG) 8-4/0

TERMINAL PART NUMBER	WIRE (AWG)	SLEEVE COLOR	HD120* OR TBHD1M**** 12 TON SERIES DIE MIL APPROVED	HD51* OR XHD51**** SERIES DIE MIL APPROVED	HD36*** SERIES DIE
MS25036-115	8	RED	HD002-8	HD51-205*	HD36-139***
MS25036-116					
MS25036-117					
MS25036-118					
MS25036-119	6	BLUE	HD002-6	HD51-206*	HD36-136***
MS25036-120					
MS25036-121					
MS25036-122					
MS25036-123	4	YELLOW	HD002-4	HD51-207*	HD36-137***
MS25036-124					
MS25036-125					
MS25036-126	2	RED	HD002-2	HD51-208*	N/A
MS25036-127					
MS25036-128					
MS25036-129	1	CLEAR	HD002-1	HD51-154***	N/A
MS25036-130					
MS25036-131					
MS25036-132	1/0	BLUE	HD002-01	N/A	
MS25036-133					
MS25036-134					
MS25036-135	2/0	YELLOW	HD002-02		
MS25036-136					
MS25036-137					
MS25036-138	3/0	RED	HD002-03		
MS25036-139					
MS25036-140	4/0	BLUE	HD002-04		
MS25036-141					

**QPL pending. Contact DMC for QPL status.*
***Mil-approved tool/die set. Tool/die set not listed on AS25036 spec.*
****Non-mil qualified tool/die set. Tool/die set not listed on AS25036 spec.*
*****Tool requires air powered hydraulic pump, P/N: HPU11M & hose assembly, P/N 12-4040.*
For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

Wire Strippers

The WSP-1630, WSP-1626E, and WSP-1014 pneumatic wire strippers are the ultimate combination of performance and reliability intended for stripping high volumes of single wire conductors. The lightweight compact design eliminates repetitive motion injuries. Commercially available stripper blades, gripper pads, and other accessories make these tools versatile and economical. Wire strippers are also equipped with brakes that prevent wires from bird-caging. All pneumatic wire strippers include a wire stop (L-5270) that can be mounted on the tool allowing the user to adjust wire strip length. The standard shop air for proper usage is 80-120 PSI.

In-line stripping maintains the integrity of the wire by reducing conductor damage

Interchangeable blades extend the tool's functionality to a variety of wire specifications

Adjustable wire stops allow users to set a consistent strip length for all wires

Compact and ergonomic design minimizes operator injuries

Rotatable head provides flexibility when stripping

Single-handed actuation promotes speed and consistency

COMPATIBLE WITH AS5768/1 AND AS5768/2 BLADES

Adjustable speed control allows the technician to determine the best speed for their needs

WSP-1630

Length	8.5”
Width	2.6”
Weight	1.8 lbs

FEATURES

Pneumatic | 30 to 16 AWG

Sold with the L-5211 blade set and the L-5270 wire stop

Compatible with both Custom Stripmaster® and Standard Stripmaster® die-type blades and gripper pads

WSP-1626E

Length	8.9”
Width	2.6”
Weight	2.2 lbs

FEATURES

Pneumatic | 26 to 16 AWG

Sold with the 55-5560-1 blade set and the L-5270 wire stop

Compatible with Ergo Elite Stripmaster® laminated razor-type blades and gripper pads

WSP-1014

Length	8.9”
Width	2.6”
Weight	2.3 lbs

FEATURES

Pneumatic | 14 to 10 AWG

Sold with 45-1611-1 blade set and the L-5270 wire stop

Compatible with both Custom Stripmaster® and Standard Stripmaster® die-type blades and gripper pads

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MANUAL WIRE STRIPPERS

Ideal Industries® Stripmaster Wire Strippers

CUSTOM STRIPMASTER WIRE STRIPPERS

Custom Stripmaster® wire strippers meet SAE-AS5768 standards and are designed with die-type blades to strip wires 30-10 AWG. These tools have color-coded comfort-grip handles to quickly identify the corresponding wire ranges. Red-handled tools are intended for 14-10 AWG wires and black-handled tools are meant for 30-16 AWG wires. These tools can be customized with interchangeable gripper pads and blade sets to meet your wire stripping requirements. Optional wire stops (L-5270) and short-stop latches (L-5269) provide consistent strip lengths and can be purchased separately.

CUSTOM STRIPMASTER LITE WIRE STRIPPERS

Custom Stripmaster® Lite wire strippers meet SAE-AS5768 standards and feature die-type blades to strip wires between 30-10 AWG. This tool is three-fourths the size of the Custom Stripmaster and requires one-third less hand pressure for each strip actuation. These tools can be customized with interchangeable gripper pads and blade sets to meet your wire stripping requirements. Optional wire stops (LB-1195) and short stop latches (L-5269) provide consistent strip lengths and can be purchased separately.

ERGO ELITE STRIPMASTER WIRE STRIPPERS

The Ergo Elite Stripmaster® wire strippers feature razor-type blades. These blades cater to wire sizes ranging from 26 to 10 AWG and boast a tilted wire stripping head that provides improved leverage and an unobstructed view for precise wire positioning. Its innovative jaw position ensures a high-quality strip that minimizes damage to the inner conductor and delivers a clean, squared finish.

Visit our website for standard Stripmaster® and Stripmaster® Lite wire strippers and blades.

ACCESSORIES

L-5270, LB-1195, and LB-1904

Wire stops ensure uniform stripping lengths ranging from 3⁄32" to 3⁄4". The L-5270 is for the Custom Stripmaster® , the LB-1195 is for the Custom Stripmaster Lite, and the LB-1904 is for the Stripmaster®.

L-5269

Short stop latches protect wire strands by limiting the stripping stroke to 5⁄32" and retaining slugs until the wire is ready for terminating.

AS5768/1 WIRE TO TOOL CROSS-REFERENCE

For Ideal Industries® Wire Strippers and DMC Pneumatic Strippers

DMC advises using our cross-reference chart to select the appropriate blade based on your wire specification due to differences in wire composition. Even if a blade accommodates the appropriate wire size it may not be designed for the wire type. This table is built using SAE-AS5768/1 Rev. F.

WIRE (AWG)	WIRE SPECIFICATION	MANUAL TOOL WITH BLADE	SPECIFIED BLADE	PNEUMATIC TOOL WITHOUT SPECIFIED BLADE
14-10	AS50861/1, /2, /4-7	45-1159 AS5768/1-T1 (SAE)	45-1159-1 AS5768/1-B1 (SAE)	WSP-1014*
	AS22759/2			
	AS22759/9-/12, /16, /17, /20-/23, /28-35, /40-/54, /59, /60	45-1611 AS5768/1-T5 (SAE)	45-1611-1 AS5768/1-B5 (SAE)	WSP-1014
	AS81044/11-/13			
	AS85485/9-/12			
	MIL-DTL-81381/3, /4			
	AS22759/18, /19	45-1608 AS5768/1-T11 (SAE)	45-1608-1 AS5768/1-B11 (SAE)	WSP-1014*
	MIL-DTL-81381/11-/14, /22			
	AS22759/80-/82, /91, /92, /180-/182, /191, /192	45-2542 AS5768/1-T12 (SAE)	45-2542-1 AS5768/1-B12 (SAE)	WSP-1014*
	AS22759/83-/90, /186-/196	45-2541 AS5768/1-T14 (SAE)	45-2541-1 AS5768/1-B14 (SAE)	WSP-1014*
	AS81044/5-/7	45-170 AS5768/1-T16 (SAE)	L-5210 AS5768/1-B16 (SAE)	WSP-1014*
	AS81044/8-/10	45-173 AS5768/1-T18 (SAE)	L-5562 AS5768/1-B18 (SAE)	WSP-1014
	MIL-DTL-81381/1, /2, /5-/10, /17-/21	45-1609 AS5768/1-T21 (SAE)	45-1609-1 AS5768/1-21 (SAE)	WSP-1014*
	AS85485/5-/8	45-1925 AS5768/1-T23 (SAE)	45-1925-1 AS5768/1-23 (SAE)	WSP-1014*
22-16	AS50861/1, /2, /4-7	45-1302 AS5768/1-T2 (SAE)	45-1302-1 AS5768/1-B2 (SAE)	WSP-1630*
	AS22759/7, /8	45-1500 AS5768/1-T4 (SAE)	45-1500-1 AS5768/1-B4 (SAE)	WSP-1630*
26-16	AS22759/9-/12, /13-/15, /20-/23, /28-/31	45-177 AS5768/1-T6 (SAE)	L-5560 AS5768/1-B6 (SAE)	WSP-1630*
	AS22759/11, /12, /22, /23	55-5560 (ERGO ELITE)	55-5560-1	WSP-1626E
	AS22759/11, /12, /16, /17	45-1654 AS5768/1-T8 (SAE)	45-1654-1 AS5768/1-B8 (SAE)	WSP-1630*
	MIL-DTL-81381/11-/14, /22			
	AS22759/16, /17, /32-/35, /40-/54, /59, /60	45-1987 AS5768/1-T9 (SAE)	45-1987-1 AS5768/1-B9 (SAE)	WSP-1630*
	AS22759/18, /19	45-1551 AS5768/1-T10 (SAE)	45-1551-1 AS5768/1-B10 (SAE)	WSP-1630*
	MIL-DTL-81381/1, /2, /5-/10, /21			
	AS22759/80-/82, /91, /92, /180-/182, /191, /192	45-2544 AS5768/1-T13 (SAE)	45-2544-1 AS5768/1-B13 (SAE)	WSP-1630*

**Pneumatic tools shown above require a specified blade, sold separately.*

WSP-1630 sold with L-5211 blade. WSP-1626E sold with 55-5560 blade. WSP-1014 sold with 45-1611-1 blade.

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AS5768/1 WIRE TO TOOL CROSS-REFERENCE CONTINUED

For Ideal Industries® Wire Strippers and DMC Pneumatic Strippers

WIRE (AWG)	WIRE SPECIFICATION	MANUAL TOOL WITH SPECIFIED BLADE	BLADE	PNEUMATIC TOOL WITHOUT SPECIFIED BLADE
26-16	AS22759/83-/90, /186-/196	45-2618 AS5768/1-T15 (SAE)	45-2618-1 AS5768/1-B15 (SAE)	WSP-1630*
	AS81044/5-/7	45-171 AS5768/1-T17 (SAE)	L-5211 AS5768/1-B17 (SAE)	WSP-1014* WSP-1630
	AS81044/8-/10	45-174 AS5768/1-T19 (SAE)	L-5563 AS5768/1-B19 (SAE)	WSP-1630*
	AS81044/11-/13	45-1610 AS5768/1-T20 (SAE)	45-1610-1 AS5768/1-20 (SAE)	WSP-1630*
	AS85485/9-/12			
	MIL-DTL-81381/3, /4			
	MIL-DTL-81381/17-/20	45-1672 AS5768/1-T22 (SAE)	45-1672-1 AS5768/1-22 (SAE)	WSP-1630*
	AS85485/5-/8	45-1924 AS5768/1-T24 (SAE)	45-1924-1 AS5768/1-24 (SAE)	WSP-1630*
	AS22759/16, /17, /32-48	55-1987 (ERGO ELITE)	55-1987-1	WSP-1626E*
	AS81044/11-/13			
30-26	AS22759/9-/12, /13-/15, /20-/23, /28-/35, /41-/43	45-178 AS5768/1-T7 (SAE)	L-5561 AS5768/1-B7 (SAE)	WSP-1630*
	AS81044/7-/14, /21, /22			
	MIL-DTL-81381/3, /4, /7-/14, /21, /22			

**Pneumatic tools shown above require a specified blade, sold separately.*

WSP-1630 sold with L-5211 blade. WSP-1626E sold with 55-5560 blade. WSP-1014 sold with 45-1611-1 blade.

AS5768/2 WIRE TO TOOL CROSS-REFERENCE

qrco.de/as5768_2

Twist-Strip Outer Jacket Stripper For Twisted Shielded Cable

Twist-Strip® outer jacket wire stripper is meticulously engineered to simplify the challenges posed by traditional methods of stripping twisted shielded cables. This innovative tool features a low-friction ball bearing and articulating arms that are designed to handle the unique characteristics of M27500 twisted cables with extruded jackets. Twist-Strip is equipped with interchangeable dies and precision depth control knobs that can accommodate 1 - 4 conductor cables and variations in conductor shape and thickness. The tool's repeatable function minimizes operator error and removes the outer jacket without compromising shielding or inner conductors. Compared to traditional razor stripping methods, Twist-Strip delivers unparalleled performance that is both safer and faster. Twist-Strip is a portable, ergonomic, and user-friendly solution that makes challenging tasks more manageable.

TWIST-STRIP TOOLING

TSK8000

0.081" to 0.180" Diameter Cable

MIL M32610/01-01

Manual

Dimensions	8.8" x 1.6" x 1.6"
Weight	12.8 oz

TSK8500

0.180" to 0.310" Diameter Cable

Manual

Dimensions	9.4" x 1.7" x 1.7"
Weight	1 lb

FEATURES FOR BOTH

Strips twisted shielded multi-conductor & round cable 3-5 times faster

Interchangeable dies and adjustable blades allow for compatibility with various cables

Dies are equipped with concealed carbide blades

Includes a foam-lined, black carrying case with a cable diameter gauge card, hex driver, quick start guide, and spaces to store die sets.

LEARN MORE ABOUT TWIST-STRIP
qrco.de/Twist-Strip

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TWIST-STRIP KITS

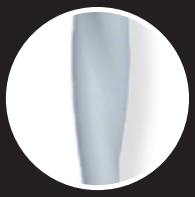
DMC offers pre-designed kits to support the small and large spectrum of twisted shielded mil-spec cable. Custom tool kit designs are also available to accommodate your specific needs. Simply provide us with a list of military wire part numbers or send in samples of your wires for analysis and our experienced team will work to identify the most suitable tools for you.

TWIST-STRIP 8000 SERIES				
# OF CONDUCTORS	CABLE LAY	DIES INCLUDED	DMC P/N	MILITARY P/N
-	-	0	TSK8000	M32610/01-01
1	Left	12	TSK8001	-
2	Left	10	TSK8002	M32610/01-23
	Right	10	TSK8002R	-
3	Left	10	TSK8003	M32610/01-24
	Right	10	TSK8003R	-
4	Left	9	TSK8004	-
	Right	9	TSK8004R	-
2 & 3	Left	20	TSK8023	M32610/01-25
	Right	20	TSK8023R	-

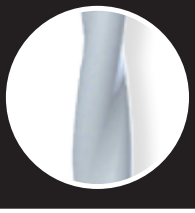
TSK8023

TWIST-STRIP 8500 SERIES			
# OF CONDUCTORS	CABLE LAY	DIES INCLUDED	DMC P/N
-	-	0	TSK8500
1	Left	13	TSK8501
2	Left	13	TSK8502
3	Left	13	TSK8503
4	Left	13	TSK8504
2 & 3	Left	26	TSK8523

Left Cable Lay
"S" Direction



Right Cable Lay
"Z" Direction



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TSK8000 DIE SETS

Contact DMC for custom designed dies

# OF CONDUCTORS	CABLE OD RANGE	DMC PART NUMBER
1 (Single)	.061" - .070"	TSD1070
	.071" - .080"	TSD1080
	.081" - .090"	TSD1090
	.091" - .100"	TSD1100
	.101" - .110"	TSD1110
	.111" - .120"	TSD1120
	.121" - .130"	TSD1130
	.131" - .140"	TSD1140
	.141" - .150"	TSD1150
	.151" - .160"	TSD1160
	.161" - .170"	TSD1170
	.171" - .180"	TSD1180

# OF CONDUCTORS	CABLE OD RANGE	LEFT LAY	RIGHT LAY
2 (Double)	.081" - .090"	TSD2090 M32610/01-03	TSR2090
	.091" - .100"	TSD2100 M32610/01-04	TSR2100
	.101" - .110"	TSD2110 M32610/01-05	TSR2100
	.111" - .120"	TSD2120 M32610/01-06	TSR2120
	.121" - .130"	TSD2130 M32610/01-07	TSR2130
	.131" - .140"	TSD2140 M32610/01-08	TSR2140
	.141" - .150"	TSD2150 M32610/01-09	TSR2150
	.151" - .160"	TSD2160 M32610/01-10	TSR2160
	.161" - .170"	TSD2170 M32610/01-11	TSR2170
	.171" - .180"	TSD2180 M32610/01-12	TSR2180

** To accommodate the non-concentric shape of 3 conductor cable, these die sets come with 1 blade in the "B" side of the die. This produces a single longitudinal cut.*

# OF CONDUCTORS	CABLE OD RANGE	LEFT LAY	RIGHT LAY
3* (Triple)	.081" - .090"	TSD3090 M32610/01-13	TSR3090
	.091" - .100"	TSD3100 M32610/01-14	TSR3100
	.101" - .110"	TSD3110 M32610/01-15	TSR3110
	.111" - .120"	TSD3120 M32610/01-16	TSR3120
	.121" - .130"	TSD3130 M32610/01-17	TSR3130
	.131" - .140"	TSD3140 M32610/01-18	TSR3140
	.141" - .150"	TSD3150 M32610/01-19	TSR3150
	.151" - .160"	TSD3160 M32610/01-20	TSR3160
	.161" - .170"	TSD3170 M32610/01-21	TSR3170
	.171" - .180"	TSD3180 M32610/01-22	TSR3180
4 (Quad)	.091" - .100"	TSD4100	-
	.101" - .110"	TSD4110	-
	.111" - .120"	TSD4120	-
	.121" - .130"	TSD4130	TSR4130
	.131" - .140"	TSD4140	-
	.141" - .150"	TSD4150	-
	.151" - .160"	TSD4160	-
	.161" - 170"	TSD4170	-
	.171" - .180"	TSD4180	-

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TSK8500 DIE SETS

Contact DMC for custom designed dies

# OF CONDUCTORS	CABLE OD RANGE	DMC PART NUMBER
1 (Single)	.181" - 190"	TSDL1190
	.191" - .200"	TSDL1200
	.201" - .210"	TSDL1210
	.211" - .220"	TSDL1220
	.221" - .230"	TSDL1230
	.231" - .240"	TSDL1240
	.241" - .250"	TSDL1250
	.251" - .260"	TSDL1260
	.261" - .270"	TSDL1270
	.271" - .280"	TSDL1280
	.281" - .290"	TSDL1290
	.291" -.300"	TSDL1300
	.301" - .310"	TSDL1310

# OF CONDUCTORS	CABLE OD RANGE	LEFT LAY	RIGHT LAY
2 (Double)	.181" - .190"	TSDL2190	-
	.191" - .200"	TSDL2200	TSDLR220
	.201 - .210"	TSDL2210	-
	.211" - .220"	TSDL2220	-
	.221" - .230"	TSDL2230	-
	.231" - .240"	TSDL2240	-
	.241 - .250"	TSDL2250	-
	.251" - .260"	TSDL2260	-
	.261" - .270"	TSDL2270	-
	.271" - .280"	TSDL2280	-
	.281" - .290"	TSDL2290	-
	.291" - .300"	TSDL2300	-
	.301" - .310"	TSDL2310	-

** To accommodate the non-concentric shape of 3 conductor cable, these die sets come with 1 blade in the "B" side of the die. This produces a single longitudinal cut.*

# OF CONDUCTORS	CABLE OD RANGE	LEFT LAY
3* (Triple)	.181" - .190"	TSDL3190
	.191" - .200"	TSDL3200
	.201" - .210"	TSDL3210
	.211" - .220"	TSDL3220
	.221" - .230"	TSDL3230
	.231" - .240"	TSDL3240
	.241" - .250"	TSDL3250
	.251" - .260"	TSDL3260
	.261" - .270"	TSDL3270
	.271" - .280"	TSDL3280
	.281" - .290"	TSDL3290
	.291" - .300"	TSDL3300
	.301" - .310"	TSDL3310
4 (Quad)	.181" - .190"	TSDL4190
	.191" - .200"	TSDL4200
	.201" - .210"	TSDL4210
	.211" - .220"	TSDL4220
	.221" - .230"	TSDL4230
	.231" - .240"	TSDL4240
	.241" - .250"	TSDL4250
	.251" - .260"	TSDL4260
	.261" - .270"	TSDL4270
	.271" - .280"	TSDL4280
	.281" - .290"	TSDL4290
	.291" - .300"	TSDL4300
	.301" - .310"	TSDL4310

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Tensile Testing

Crimp Pull Tester

DMC offers Alphatron® tensile testers for quality control operations. These tools ensure that terminated wire samples accurately meet industry strength requirements. Alphatron testers cover wire ranges from 26 to 8 AWG and are accurate within ±0.5% of full scale. All testers are electronic and come with a digital display that provides technicians with accurate test data. DMC's trusted line of tensile testers are based on the EIA-364-08C Electronic Components Industry Standard and come with a NIST traceable certificate of calibration.

MPT-250C

15-3046

15-3202C

- 26 to 8 AWG
- Electric Motor
- 5 to 250 LBF Capacity

NSN: *6635-01-581-9996*

Length	12.6”
Width	13.6”
Height	6.4”
Weight	23.2 lbs

Includes 15-3202C self-tightening stationary grip and 15-3046 movable wire pull grip. Additional specialized grips are available. Meets CE standards.

FEATURES

Performs "force hold" testing to validate the tensile strength that the termination can withstand without breaking or "pull to fail" testing that measures ultimate tensile strength upon breaking

Displays test data in multiple languages on a full color LCD touchscreen

Interchangeable grips extend testing capabilities to include terminal lugs, splices, machined contacts, miniature contacts, and Safe-T-Cable terminations

Capable of exporting test data and requires no additional software to be viewed on desktop programs

MPT-VF VERIFICATION TOOL

The MPT-VF verification fixture is designed to verify the load cell of the MPT-250C using precision scale weights. Calibrated weights are hung from the fixture while it is attached to the load cell. This ensures the load cell is reading correctly. The MPT-VF comes with a verification fixture, eye to eye swivel, 3⁄16” long arm hex key, and additional hardware.

PT-150HA

15-3087

15-3202C

Length	16”
Width	9.2”
Height	6”
Weight	13.8 lbs

Includes a 15-3087 slotted terminal grip and a 15-3202 self-tightening grip. Additional specialized grips are available.

26 to 8 AWG

Manual Operation

2 to 150 LBF

FEATURES

Performs "pull to fail" testing which determines the ultimate tensile strength the termination can withstand

Interchangeable grips extend testing capabilities to multiple wire terminations

Quickly displays test data on an LCD screen

HPT-200B

15-3035

TST250-12

26 to 10 AWG

Battery

2 to 200 LBF

Length	5.88”
Width	2.53”
Height	1.32”
Weight	3.2 lbs

Includes a built-in 15-3035 slotted disc grip, an additional TST250-12 clamp grip, software package, a charger, three unique plug prongs, and a carrying case. HPT-1SA replacement handles can be ordered as spares.

FEATURES

Performs a "pull to fail" test which determines the ultimate tensile strength the termination can withstand

Portable hand-held tensile tester with a battery life of 24 hours

Quickly displays test data on an LCD screen and can export data with provided software

Designed with low-stress ergonomic handles

Overall high-speed performance with sample rates of 7,000 Hz and data outputs rates of 500 Hz

Provides 5 selectable units of measurement including lbf, ozf, kgf, gf, and N

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DMC TOOL P/N	GRIP PART NUMBER AND DESCRIPTION	APPLICATION
MPT-250C	**15-3046** INCLUDED T-HANDLE LARGE INSULATION UPPER GRIP	HIGH FORCE WIRE GRIP
	15-3202C* INCLUDED SELF TIGHTENING LOWER GRIP	TERMINAL LUGS, MACHINED CONTACTS
	15-0066C OPTIONAL RING TERMINAL LOWER GRIP	RING TERMINALS
	15-3087C OPTIONAL GENERAL PURPOSE LOWER GRIP	TERMINAL LUGS, MACHINED CONTACTS
	15-3314 OPTIONAL MINI-VISE GRIP	MINIATURE CONTACTS
	15-3318 OPTIONAL SAFE-T-CABLE PULL WHEEL AND GRIP SET	.022, .032, AND .040 SAFE-T-CABLE
PT-150HA	**15-3087** INCLUDED GENERAL PURPOSE LOWER GRIP (STATIONARY)	TERMINAL LUGS, MACHINED CONTACTS
	15-0066 OPTIONAL RING TERMINAL LOWER GRIP (STATIONARY)	RING TERMINALS
	15-3242 OPTIONAL LOCKING RING TERMINAL LOWER GRIP (STATIONARY)	RING TERMINALS
HPT-200B	**15-3035** INCLUDED STANDARD SLOTTED DISC UPPER GRIP	TERMINALS
	15-3039 OPTIONAL UPPER GRIP	HEX TERMINALS
	15-3115 OPTIONAL LOWER GRIP	RF COAX CABLES
	TST250-12 INCLUDED CLAMP GRIP	WIRE GRIP

**Can be used on both the MPT-250C and PT-150HA.*

MINIMUM TENSILE STRENGTH REQUIREMENT				
CONDUCTOR SIZE (AWG)	UL 486A TEST VALUES (COMMERCIAL STANDARD)		TYPICAL MIL-SPEC (AS22520, AS7928, ETC)	
	POUNDS	NEWTONS	POUNDS	NEWTONS
26	3	13.4	7	31.2
24	5	22.3	10	44.5
22	8	35.6	15	66.8
20	13	57.9	19	84.6
18	20	89.0	38	169.1
16	30	133.5	50	222.5
14	50	222.5	70	311.5
12	70	311.5	110	489.5
10	80	356.0	150	667.5
8	90	400.5	225	1001.3

SPECIALIZED GRIPS

15-0066

15-0066C

15-3039

15-3087C

15-3115

15-3314

15-3318

15-3242

SCAN FOR MORE INFORMATION
qrco.de/TensileTesting

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CONNECTOR ASSEMBLY TOOLS

DMC offers a complete line of connector assembly tools designed to hold, torque, and tighten backshells. Due to the complex nature of wiring systems, connector backshells are used to minimize potential interference, stress to cables, shielding exposure to environmental contaminants, and grounding EMI.

Adapters secure connectors onto a holding fixture while pliers or wrenches are used to tighten backshells. When a torque value is required, a measurement device such as a digital torque wrench is used. DMC also manufactures jam nut tooling ideal for securing jam nut connectors onto crowded panels.

The following flow charts can be used to help technicians determine the appropriate tooling for tightening or torquing a connector. The tightening flow chart refers to no specified torque value.

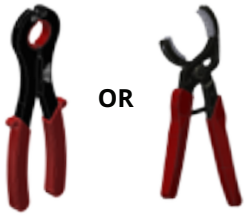
DMC does not provide connectors, backshells, accessories, or wiring components. Parts shown are for reference only.

A complete adapter tool selection guide is available at pg 177-209.

TIGHTENING

VISE WITH JAWS INSERTS

PLIERS



T-HANDLE

STRAP WRENCH

**Not offered by DMC.*

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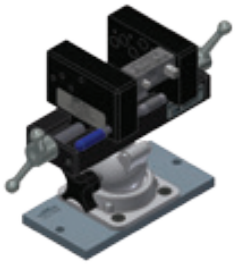
TORQUING

VISE WITH BT-DAB



HANDLELESS STRAP WRENCH AND TORQUE WRENCH

ADAPTER

CONNECTOR AND BACKSHELL*

REVERSE BENCH MOUNT AND TORQUE WRENCH

STRAP WRENCH

**Not offered by DMC.*

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Adapters

DMC's adapter tools hold connectors stationary to prevent damage while accessories are installed or removed. DMC adapters mate with most circular military-qualified and commercial connectors. These tools accommodate both plugs and receptacles. Each adapter is compatible with numerous keying arrangements. The indicator dot on each adapter makes mating with a connector's master key simple. Adapters also feature standard square drive sockets (⅜" or ¼") for compatibility with common holding, tightening, and torquing tools. Adapters can be purchased individually or in sets. See pages 177-209 for the adapter tool selection guide.

VERSATILE

- Mates with multiple keying patterns
- Compatible with multiple connector series

RELIABLE

- Multiple key engagement
- Easily aligned to master key

COST-EFFECTIVE

- Long Lasting
- Eliminates costly "dummy" connectors

CONNECTOR SERIES	ADAPTER TOOL SETS		ADAPTER COLOR
	PLUG	RECEPTACLE	
AS50151 (SAE-AS50151)	CM-S-5015	CM-S-5015R	CHROME
MIL-DTL-22992 CLASS C, J, R	CM-S-229	N/A	BROWN
MIL-DTL-22992 CLASS L	CM-S-229L	N/A	BLACK
MIL-DTL-26482 SERIES I & II	CM-S-264	CM-S-264R	ORANGE
MIL-DTL-26500	CM-S-837	CM-S-837RB*	GREEN
MIL-DTL-28840	CM-S-288	CM-S-288R	WHITE
MIL-DTL-38999 SERIES I	CM-S-389L	CM-S-389LR	BLUE
MIL-DTL-38999 SERIES II	CM-S-389S	CM-S-264R	GRAY/ORANGE
MIL-DTL-38999 SERIES III	CM-S-389T	CM-S-389TR	LAVENDER
MIL-DTL-38999 SERIES IV	CM-S-389B	CM-S-389BR	BEIGE
SAE-AS81511 SERIES I & III	CM-S-815L	CM-S-815R	YELLOW
SAE-AS81511 SERIES II & IV	CM-S-815S	CM-S-815R	RED
MIL-DTL-83723 SERIES I	CM-S-264	CM-S-264R	ORANGE
MIL-DTL-83723 SERIES II	CM-S-5015	CM-S-5015R	CHROME
MIL-DTL-83723 SERIES IIIB	CM-S-837	CM-S-837RB	GREEN
MIL-DTL-83723 SERIES IIIT	CM-S-837	CM-S-299RS	N/A
EN2997	CM-S-837	CM-S-299RS	N/A
PATTERN 602	CM-S-602	CM-S-264R	PURPLE
PATTERN 615	CM-S-SJT	CM-S-264R	GOLD
2M801/801	CM-S-801	CM-S-801R	N/A
2M803/803	CM-S-803	CM-S-803R	N/A
2M804/804	CM-S-804	CM-S-804R	N/A
2M805/805	CM-S-805	CM-S-805R	N/A

**Aluminum or steel tooling is available. Check with DMC for details.*

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Strap Wrenches

STANDARD STRAP WRENCHES

DMC strap wrenches are used to tighten or torque connector components while working in assembly. Strap wrenches apply a uniform grip around connectors that protects them from high pressure damage. Replaceable straps prevent metal-to-metal marring when gripping connectors and are color-coded based on flexibility, strength, and material composition. Looped straps are standard and are securely attached to the tool body through a link. Strap wrenches come in three different sizes to accommodate connector shell diameters ranging from .25 inches to 4 inches. The ⅜" square drive sockets on strap wrenches make them compatible with common torque measurement devices.

STANDARD LOOPED STRAP WRENCHES				
TOOL	GRIP RANGE	STRAP WIDTH (COLOR)	WRENCH PART NUMBER	REPLACEABLE STRAP PART NUMBER
A	.25" - 1.50"	1/2" (BLACK)	BT-BS-610	BT-A-6010
		1/2" (BLUE)	BT-BS-610B*	BT-A-6010B*
		1/2" (WHITE)	BT-BS-610W	BT-A-6010W
		1/2" (RED)	BT-BS-610R	BT-A-6010R
B	.50" - 2.50"	1/2" (BLACK)	BT-BS-609	BT-A-6010
		1/2" (BLUE)	BT-BS-609B*	BT-A-6010B*
		1/2" (WHITE)	BT-BS-609W	BT-A-6010W
		1/2" (RED)	BT-BS-609R	BT-A-6010R
C	1.00" - 4.00"	5/8" (BLACK)	BT-BS-611	BT-A-6175
		5/8" (BLUE)	BT-BS-611B*	BT-A-6175B*
		5/8" (WHITE)	BT-BS-611W	BT-A-6175W
		1" (BLACK)	BT-BS-618	BT-A-6185
		1" (BLUE)	BT-BS-618B*	BT-A-6185B*
		1" (WHITE)	BT-BS-618W	BT-A-6185W

**Blue straps are recommended for connector/accessory use.*

SCAN FOR TORQUE CONVERSION CHARTS
qrco.de/torqueconversion

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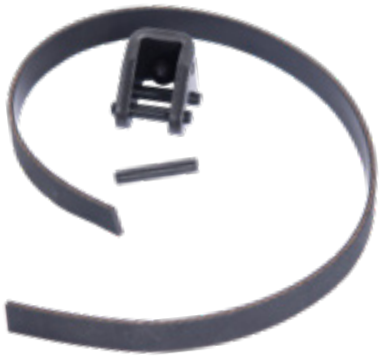
LOOPLESS STRAP WRENCHES

DMC provides loopless strap wrenches featuring a clamping buckle designed to prolong the lifespan of straps by securely holding them in place even after wear has caused a portion of the strap to break. The remaining piece of strap is easily threaded through the clamping buckle. A retrofit kit is also available to convert standard strap wrenches into loopless strap wrenches.

LOOPLESS STRAP WRENCHES				
TOOL	GRIP RANGE	STRAP WIDTH (COLOR)	WRENCH P/N	REPLACEABLE STRAP P/N
A	.25" - 1.50"	1/2" (BLACK)	BT-BS-610SS	BT-A-6010-BK
		1/2" (BLUE)	BT-BS-610BSS	BT-A-6010B-BK*
		1/2″ (RED)	BT-BS-610RSS	BT-A-6010R-BK
B	.50" - 2.50"	1/2" (BLACK)	BT-BS-609SS	BT-A-6010-BK
		1/2" (BLUE)	BT-BS-609BSS	BT-A-6010B-BK*
		1/2″ (RED)	BT-BS-609RSS	BT-A-6010R-BK
C	1.00" - 4.00"	5/8" (BLACK)	BT-BS-611SS	BT-A-6175-BK
		5/8″ (BLUE)	BT-BS-611BSS*	BT-A-6175B-BK*
		1" (BLACK)	BT-BS-618SS	BT-A-6185-BK
		1″ (BLUE)	BT-BS-618BSS*	BT-A-6185B-BK*

**Blue straps are recommended for connector/accessory use.*

RETROFIT KITS			
GRIP RANGE	LOOPLESS STRAP WIDTH (COLOR)	RETROFIT KIT P/N	TOOL P/N
.25" - 1.50"	1/2" (BLACK)	BT-BS-610SS-RK	BT-BS-610
	1/2" (BLUE)	BT-BS-610BSS-RK	BT-BS-610B
.50" - 2.50"	1/2" (BLACK)	BT-BS-609SS-RK	BT-BS-609
	1/2" (BLUE)	BT-BS-609BSS-RK	BT-BS-609B
1.00" - 4.00"	5/8" (BLACK)	BT-BS-611SS-RK	BT-BS-611
	1" (BLACK)	BT-BS-618SS-RK	BT-BS-618



DMC TIPS

HOW TO USE A RETROFIT KIT

Locate the buckle on your looped strap wrench and remove the locking clip. Remove the buckle, clip, and strap from the wrench. Use the cross pins and retaining rings provided to attach the loopless buckle to the wrench. Rotate the locking screw counterclockwise and thread the end of the strap between the cross pins. Push the clamp forward and pull until you have formed a tight loop. Tighten the locking screw and loop the rest of the strap. Make sure to feed the end through the clamp and under the pins.

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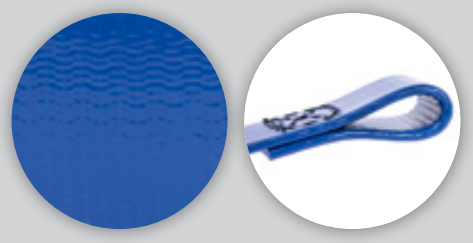
Straps come in several colors that denote their composition and unique benefits. All straps are replaceable and most can be purchased in looped or loopless configurations. Each strap is 15.5" in length and can be ordered with varying widths.

BLUE STRAPS



Recommended for general connector assembly use

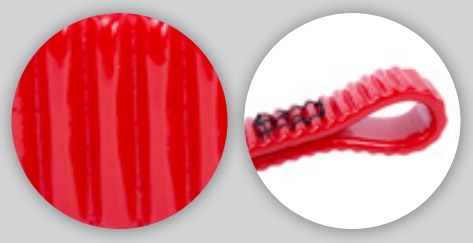
Overall great performance

BLACK STRAPS

Superior grip ideal for tightening connectors with small diameters

Loopless version is recommended

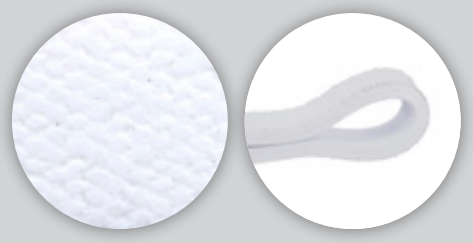
RED STRAPS



Thicker straps and highly durable composition

Ideal for higher torquing ranges on connectors with a 1-inch diameter or greater

WHITE STRAPS



Best used on connectors with 2-inch diameter or larger

Only available in a looped configuration

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HANDLELESS STRAP WRENCHES

DMC also provides the option of handleless strap wrenches. These smaller alternatives free up a significant amount of space when used in conjunction with a digital torque wrench. This allows for users to accurately torque the connector without having the handle obstruct their view or torquing ability. Operators can attach handleless strap wrenches to the BT-ST-302D digital torque tool. Wrenches are sold with a spare strap.

HANDLELESS LOOPED STRAP WRENCHES				
TOOL	**GRIP RANGE**	**STRAP WIDTH (COLOR)**	**WRENCH P/N**	**REPLACEABLE STRAP P/N**
A	.25″ - 1.50"	1/2″ (BLACK)	BT-BS-610T	BT-A-6010
		1/2″ (BLUE)	BT-BS-610BT*	BT-A-6010B*
		1/2″ (WHITE)	BT-BS-610WT	BT-A-6010W
		1/2″ (RED)	BT-BS-610RT	BT-A-6010R
B	.50″ - 2.50″	1/2″ (BLACK)	BT-BS-609T	BT-A-6010
		1/2″ (BLUE)	BT-BS-609BT*	BT-A-6010B*
		1/2″ (WHITE)	BT-BS-609WT	BT-A-6010W
		1/2″ (RED)	BT-BS-609RT	BT-A-6010R
C	1.00" - 4.00"	5/8″ (BLACK)	BT-BS-611T	BT-A-6175
		5/8″ (BLUE)	BT-BS-611BT*	BT-A-6175B*
		5/8″ (WHITE)	BT-BS-611WT	BT-A-6175W
		1″ (BLACK)	BT-BS-618T	BT-A-6185
		1″ (BLUE)	BT-BS-618BT*	BT-A-6185B*
		1″ (WHITE)	BT-BS-618WT	BT-A-6185W

HANDLELESS LOOPLESS STRAP WRENCHES				
TOOL	**GRIP RANGE**	**STRAP WIDTH (COLOR)**	**WRENCH P/N**	**REPLACEABLE STRAP P/N**
A	.25″ - 1.50"	1/2" (BLACK)	BT-BS-610SST	BT-A-6010-BK
		1/2" (BLUE)	BT-BS-610BSST	BT-A-6010B-BK*
		1/2″ (RED)	BT-BS-610RSST	BT-A-6010R-BK
B	.50″ - 2.50″	1/2" (BLACK)	BT-BS-609SST	BT-A-6010-BK
		1/2" (BLUE)	BT-BS-609BSST	BT-A-6010B-BK*
		1/2″ (RED)	BT-BS-609RSST	BT-A-6010R-BK
C	1.00" - 4.00"	5/8" (BLACK)	BT-BS-611SST	BT-A-6175-BK
		5/8″ (BLUE)	BT-BS-611BSST*	BT-A-6175B-BK*
		1" (BLACK)	BT-BS-618SST	BT-A-6185-BK
		1″ (BLUE)	BT-BS-618BSST*	BT-A-6185B-BK*

**Blue straps are recommended for connector/accessory use.*
Part numbers containing SS denotes loopless while T denotes handleless.

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Pliers

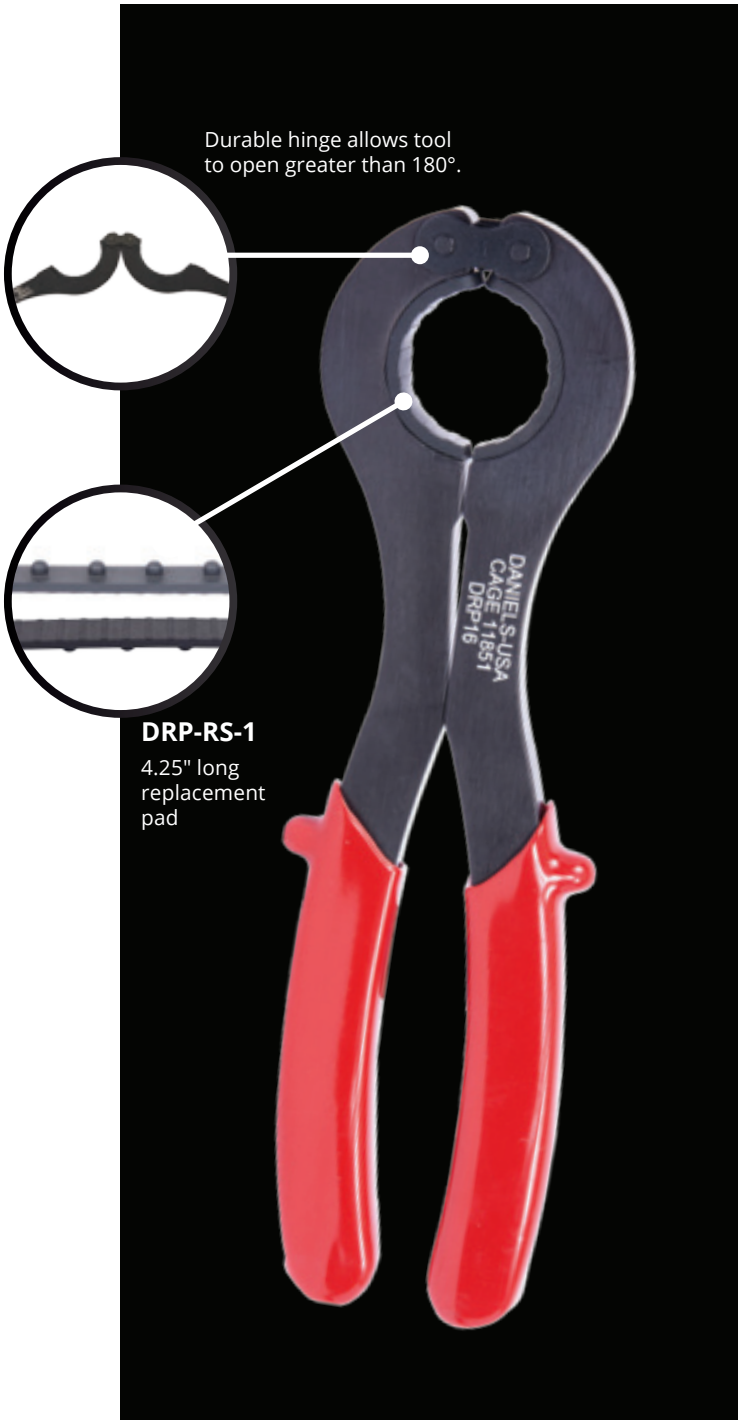
DMC expertly designed our collection of pliers to maintain the integrity of circular connectors when tightening backshells. These tools are ideal for connector assembly and disassembly.

CIRCULAR RING PLIERS

DRP circular ring pliers are commonly used in connector assembly. The double hinge design allows technicians to easily grip circular connectors and backshell components between the rubber inserts. Jaws are circular in order to allow pressure to be evenly distributed. They are lined with replaceable inserts that provide additional protection from marring. Pads must be cut to size when ordered.

TOOL PART NUMBER	GRIP RANGE*	
	INCH	METRIC (MM)
DRP7, DRP7N**	0.50 - 0.53	12.70 - 13.46
DRP8, DRP8N**	0.56 - 0.59	14.22 - 14.98
DRP9, DRP9N**	0.62 - 0.65	15.74 - 16.51
DRP10, DRP10N**	0.67 - 0.70	17.01 - 17.78
DRP11, DRP11N**	0.74 - 0.77	18.79 - 19.55
DRP12, DRP12N*	0.80 - 0.83	20.32 - 21.08
DRP13, DRP13N**	0.85 - 0.88	21.59 - 22.35
DRP14, DRP14N**	0.89 - 0.92	22.60 - 23.36
DRP15, DRP15N**	0.97 - 1.00	24.63 - 25.40
DRP16, DRP16N**	1.05 - 1.08	26.67 - 27.43
DRP17, DRP17N**	1.08 - 1.11	27.43 - 28.19
DRP18, DRP18N**	1.11 - 1.14	28.19 - 28.95
DRP19, DRP19N**	1.20 - 1.23	30.48 - 31.24
DRP20, DRP20N**	1.27 - 1.30	32.25 - 33.02
DRP21, DRP21N**	1.33 - 1.36	33.78 - 34.54
DRP22, DRP22N**	1.39 - 1.42	35.30 - 36.06
DRP23, DRP23N**	1.45 - 1.48	36.83 - 37.59
DRP24, DRP24N**	1.49 - 1.52	37.84 - 38.60
DRP25, DRP25N**	1.57 - 1.60	39.87 - 40.64
DRP26, DRP26N**	1.61 - 1.64	40.89 - 41.65
DRP27, DRP27N**	1.76 - 1.79	44.70 - 45.46
DRP28, DRP28N**	1.89 - 1.92	48.00 - 48.76

**Assumes a smooth surface. Knurled surfaces measuring slightly less are also compatible with these tools.*
***These part numbers indicate pliers with a narrower head.*



DRP-RS-1
4.25" long replacement pad

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CIRCULAR RING PLIERS KIT

DMC offers a complete kit that includes the full range of circular ring pliers that can accommodate connector diameter sizes of 0.5" to 1.92". Contrasting shadow-cut foam provides quick visual control of tooling to support FOD-free work with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts and instructions

DMC1924

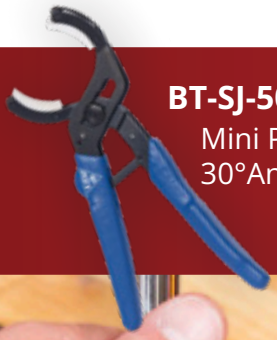
NSN: *5120-01-625-2912*

15	Circular Ring Pliers
10	Replacement Pads

SOFT JAW PLIERS

DMC's soft jaw pliers are ergonomic and feature a self-limiting adjustable handle that increases the grip size. They can be used as cannon plug pliers to tighten connectors together or as a holding tool. The narrow jaws on our miniature soft jaw pliers make the tool ideal for use in tight spaces and enable single-handed operation. They are available in a traditional straight head configuration or a 30° angled head configuration. The offset of the angled head provides additional clearance and added comfort. All soft jaw pliers feature non-marring pads that are replaceable.

BT-SJ-468
Soft Jaw Plier



BT-SJ-509A
Mini Pliers with 30°Angled Head

BT-SJ-509R
Mini Pliers with Straight Head

The part number for BT-SJ-468 replaceable pads is BT-SJ-468-1.
The part number for BT-SJ-509 replaceable pads is BT-SJ-509A-1.
Two pieces are required per tool.

Connector Assembly Accessories

T-Handles

BT-HT-100
¼" Drive

BT-HT-107
⅜" Drive

T-handles are handheld holding fixtures that are ideal for holding adapters while assembling and disassembling backshells. Their compact size makes them the preferred choice for field use.

Torque Wrenches

DMC's torque wrenches feature a chrome-plated body, digital display, lights, and audible signal to indicate if a connector has been sufficiently torqued. These indicators help to prevent damage to sensitive assembly components. A reverse torque wrench configuration with a bench mount is also available.

BT-ST-302DR
Reverse Torque Wrench

BT-ST-302D
Standard Torque Wrench

Each wrench includes a ¼" drive adapter (BT-D-0551), one AA battery, and a carrying case.

BM-302D
Bench Mount

BT-VS-500
Assembly Vise

DMC's assembly vise firmly holds components in place for torquing and tightening connector backshells. The opposing thread function provides a self-centering, strong, and quick tightening result. The adjustable stop feature makes set up simple and repeatable. The assembly vise may be used with soft grip jaws or the BT-DAB.

Dimensions (L X W X H)	8" x 4" x 8.3"
Weight	10.11 lbs

BT-S-550
Vise Jaw Set

Non-marring soft grip jaws evenly distribute pressure among 4 points to prevent damage to connector assemblies. This kit contains 12 pairs of jaws to accommodate circular connectors between 3/8" to 3". Narrow jaws (0.4") are for components less than 1" wide, while wider jaws (1") offer the strong grip needed to achieve higher torque values or accommodate components larger than 1".

BT-DAB
Drive Adapter Block

The BT-DAB fits seamlessly within the assembly vise to serve as a hands-free holding fixture. Backshell adapters easily snap onto affixed 3/8" and 1/4" drives in order to easily transition from one size to another.

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Jam Nut Sockets

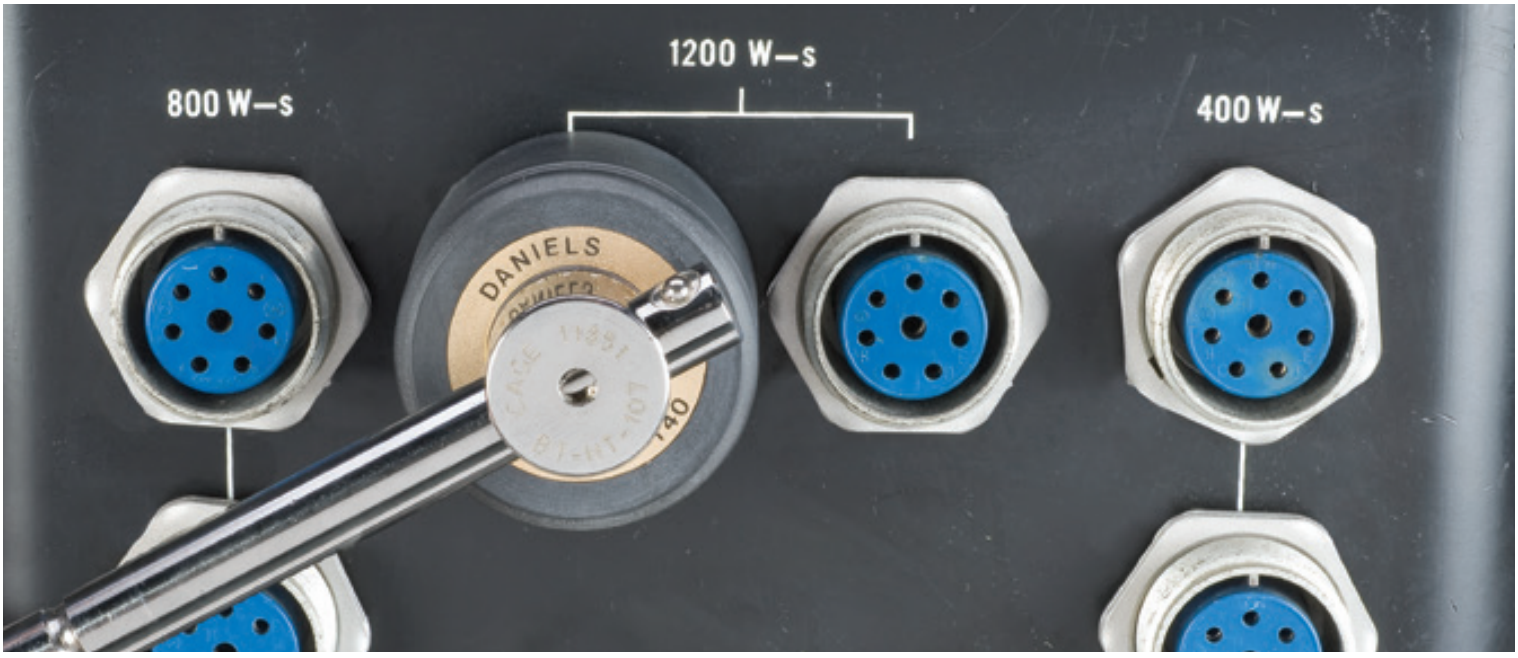
Jam nut sockets play a fundamental role in securing jam nut receptacle connectors onto crowded cabinets, panels, or bulkheads. They typically feature a slim profile and deep well that allows them to fit snuggly over jam nut connectors without interfering with surrounding components. They are designed to tighten and loosen jam nut connectors while ensuring the sealing ring inside is not overly compressed.

MATERIALS

Jam nut sockets are constructed from material that is strong enough to grip the thin, low-profile nut, yet gentle enough to not scratch or damage the plating. Composite, aluminum, and steel material choices are available. Composite jam nut sockets are lightweight and non-marring but may wear over time. Anodized machined aluminum and steel jam nut sockets were developed to deliver longevity.

Composite **Aluminum** **Steel**

DMC's jam nut sockets include standard ¼" and ⅜" square drives making them compatible with typical T-handle wrenches and torque wrenches. Various sizes accommodate jam nut dimensions from approximately 0.5 inch to 3.5 inches making them versatile tools for a wide range of connector assemblies.



SAFE-T-CABLE

DMC's fastener retention system, Safe-T-Cable®, can be used secure jam nut receptacles by threading wire through the safety wire holes. The use of elongated ferrules is often needed on these low profile surfaces and difficult to reach areas. See pages 219-224 for more information.

JAM NUT SOCKET KIT

DMC offers several jam nut socket kits. Available kits include sockets composed of either composite, aluminum, or steel material. Contrasting shadow-cut foam provides quick visual control of tooling to support FOD-free work with a dedicated location for every tool. Consult DMC for all kit options.

FEATURES

- Organized and protected tooling
- Convenient carrying case
- Contents charts

BT-S-151J

25	Jam Nut Sockets
2	T-Handles

BT-S-151J JAM NUT SOCKET KIT				
DMC P/N	JAM NUT RANGE (IN.)	JAM NUT RANGE (MM.)	SQUARE DRIVE	OUTSIDE DIAMETER
BT-J-124	.765" - .791"	19.43 - 20.09	BT-HT-100 (1/4")	1.13"
BT-J-127	.845" - .873"	21.46 - 22.17		1.22"
BT-J-128	.873" - .902"	22.17 - 22.91		1.26"
BT-J-130	.933" - .964"	23.69 - 24.48	BT-HT-107 (3/8")	1.33"
BT-J-131	.964" - .996"	24.48 - 25.29		1.36"
BT-J-132	.996" - 1.030"	25.29 - 26.16		1.41"
BT-J-133	1.030" - 1.064"	26.16 - 27.02		1.45"
BT-J-134	1.064" - 1.100"	27.02 - 27.94		1.51"
BT-J-136	1.137" - 1.175"	28.87 - 29.84		1.59"
BT-J-137	1.175" - 1.214"	29.84 - 30.83		1.63"
BT-J-138	1.214" - 1.255"	30.83 - 31.87		1.69"
BT-J-139	1.255" - 1.297"	31.87 - 32.94		1.73"
BT-J-140	1.297" - 1.340"	32.94 - 34.03		1.78"
BT-J-142	1.385" - 1.432"	35.17 - 36.37	BT-HT-107 (3/8")	1.89"
BT-J-143	1.432" - 1.480"	36.37 - 37.59		1.95"
BT-J-145	1.529" - 1.580"	38.83 - 40.13		2.06"
BT-J-146	1.580" - 1.633"	40.13 - 41.47		2.12"
BT-J-147	1.633" - 1.688"	41.47 - 42.87		2.19"
BT-J-148	1.688" - 1.745"	42.87 - 44.32		2.25"
BT-J-149	1.745" - 1.803"	44.32 - 45.79		2.32"
BT-J-150	1.803" - 1.864"	45.79 - 47.34		2.39"
BT-J-152	1.926" - 1.991"	48.92 - 50.57		2.54"
BT-J-153	1.991" - 2.057"	50.57 - 52.24		2.61"
BT-J-154	2.057" - 2.126"	52.24 - 54.00		2.69"
BT-J-155	2.126" - 2.197"	54.00 - 55.80		2.78"

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JAM NUT SOCKET SIZES

COMPOSITE JAM NUT SOCKETS				
DMC P/N	JAM NUT RANGE (IN.)	JAM NUT RANGE (MM.)	SQUARE DRIVE	OUTSIDE DIAMETER
BT-J-117	.608" - .628"	15.41 - 15.95	BT-HT-100 (1/4")	.914"
BT-J-118*	.628" - .649"	15.95 - 16.48		.955"
BT-J-120	.671" - .693"	17.04 - 17.60		1.01"
BT-J-121	.693" - .717"	17.60 - 18.21		1.04"
BT-J-122*	.717" - .741"	18.21 - 18.82		1.07"
BT-J-123	.741" - .765"	18.82 - 19.43		1.10"
BT-J-124	.765" - .791"	19.43 - 20.09		1.13"
BT-J-125	.791" - .818"	20.09 - 20.77		1.16"
BT-J-126	.818" - .845"	20.77 - 21.46		1.19"
BT-J-127	.845" - .873"	21.46 - 22.17		1.22"
BT-J-128	.873" - .902"	22.17 - 22.91		1.26"
BT-J-129	.902" - .933"	22.91 - 23.69		1.29"
BT-J-130	.933" - .964"	23.69 - 24.48	BT-HT-107 (3/8")	1.33"
BT-J-131	.964" - .996"	24.48 - 25.29		1.36"
BT-J-132	.996" - 1.030"	25.29 - 26.16		1.41"
BT-J-133	1.030" - 1.064"	26.16 - 27.02		1.45"
BT-J-134	1.064" - 1.100"	27.02 - 27.94		1.51"
BT-J-135	1.100" - 1.137"	27.94 - 28.87		1.55"
BT-J-136	1.137" - 1.175"	28.87 - 29.84		1.59"
BT-J-137	1.175" - 1.214"	29.84 - 30.83		1.63"
BT-J-138	1.214" - 1.255"	30.83 - 31.87		1.69"
BT-J-139	1.255" - 1.297"	31.87 - 32.94		1.73"
BT-J-140	1.297" - 1.340"	32.94 - 34.03		1.78"
BT-J-141	1.340" - 1.385"	34.03 - 35.17		1.84"
BT-J-142	1.385" - 1.432"	35.17 - 36.37		1.89"

COMPOSITE JAM NUT SOCKETS				
DMC P/N	JAM NUT RANGE (IN.)	JAM NUT RANGE (MM.)	SQUARE DRIVE	OUTSIDE DIAMETER
BT-J-143	1.432" - 1.480"	36.37 - 37.59	BT-HT-107 (3/8")	1.95"
BT-J-144	1.480" - 1.529"	37.59 - 38.83		2.00"
BT-J-145	1.529" - 1.580"	38.83 - 40.13		2.06"
BT-J-146	1.580" - 1.633"	40.13 - 41.47		2.12"
BT-J-147	1.633" - 1.688"	41.47 - 42.87		2.19"
BT-J-148	1.688" - 1.745"	42.87 - 44.32		2.25"
BT-J-149	1.745" - 1.803"	44.32 - 45.79		2.32"
BT-J-150	1.803" - 1.864"	45.79 - 47.34		2.39"
BT-J-151	1.864" - 1.926"	47.34 - 48.92		2.46"
BT-J-152	1.926" - 1.991"	48.92 - 50.57		2.54"
BT-J-153	1.991" - 2.057"	50.57 - 52.24		2.61"
BT-J-154	2.057" - 2.126"	52.24 - 54.00		2.69"
BT-J-155	2.126" - 2.197"	54.00 - 55.80		2.78"
BT-J-156	2.197" - 2.271"	55.80 - 57.68		2.87"
BT-J-157	2.271" - 2.347"	57.68 - 59.61		2.95"
BT-J-158	2.347" - 2.426"	59.61 - 61.62		3.04"
BT-J-159	2.426" - 2.507"	61.62 - 63.67		3.14"
BT-J-160*	2.507" - 2.591"	63.67 - 65.81		3.24"
BT-J-161	2.591" - 2.678"	65.81 - 68.02		3.34"
BT-J-162	2.678" - 2.769"	68.02 - 70.33		3.44"
BT-J-163	2.769" - 2.860"	70.33 - 72.64		3.54"
BT-J-164	2.860" - 2.956"	72.64 - 75.08		3.66"
BT-J-165	2.956" - 3.055"	75.08 - 77.59		3.77"
BT-J-166	3.055" - 3.157"	77.59 - 80.18		3.89"
BT-J-170*	3.457" - 3.557"	87.81 - 90.35		4.38"

*See next page for applicable NSNs.

DMC TIPS

HOW TO FIND THE CORRECT JAM NUT SOCKET

Measure across the flats of the jam nut to determine the correct jam nut socket for your application. Use the jam nut range column to see what the socket part number is for that measurement. Use the table below to modify the original part number when ordering sockets composed of aluminum or steel.

BASIC P/N	SIZE DESIGNATOR (SEE CHART)	MATERIAL*
BT-J	-XXX	XX

**Blank = Composite; AL = Aluminum; S = Steel*

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JAM NUT SOCKET NSN LIST

DMC PART NUMBER	NSN
BT-J-121	5120-01-463-2263
BT-J-123AL	5120-06-186-8542
BT-J-128	5120-01-266-1920
BT-J-130	5120-01-266-1921
BT-J-130AL	5120-01-674-0128
BT-J-131	5120-01-463-2264
BT-J-132	5120-01-368-4132
BT-J-132AL	5120-01-657-0397
BT-J-133	5120-01-257-3889
BT-J-133AL	5120-01-480-0695
BT-J-136	5120-01-387-4377
BT-J-137	5120-01-266-1923
BT-J-138	5120-01-298-5582
BT-J-138AL	5120-01-480-0697
BT-J-139	5120-01-266-1924
BT-J-139AL	5120-01-480-0699
BT-J-140	5120-01-255-7906
BT-J-140AL	5120-01-657-0394
BT-J-141	5120-01-463-2270
BT-J-142	5120-01-257-3890

DMC PART NUMBER	NSN
BT-J-142AL	5120-01-480-0698
BT-J-143	5120-01-257-3891
BT-J-143AL	5120-01-657-0392
BT-J-144	5120-01-463-2267
BT-J-144AL	5120-01-613-6200
BT-J-146	5120-01-257-3892
BT-J-146L	5120-01-480-0696
BT-J-147	5120-01-387-4462
BT-J-148	5120-01-266-1925
BT-J-149	5120-01-463-2268
BT-J-149AL	5120-01480-8614
BT-J-150	5120-01-266-1926
BT-J-150AL	5120-01-661-7190
BT-J-151	5120-01-463-2271
BT-J-152	5120-01-257-3893
BT-J-153	5120-01-463-2269
BT-J-153AL	5120-01-616-0234
BT-J-154	5120-01-290-8858
BT-J-155	5120-01-2995466
BT-J-161AL	5120-01-616-6463

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ADAPTER TOOL SELECTION GUIDE

Manufacturer to Military Connector Reference

qrco.de/connector_ref

DISCLAIMER OF LIABILITY

The information contained here has been compiled by DMC from various sources. It is presented as an aid to assist DMC's customers in selecting appropriate tooling for the assembly and maintenance of electrical wiring systems.

While DMC believes this information to be accurate, due to the complexity and volume of the information presented, DMC must and does disclaim any warranty for its accuracy.

In no event shall DMC be liable for consequential, incidental, special or other types of damages, loss of anticipated profits or for any other damages resulting from the use of the information presented herein. For a current list of qualified suppliers of connectors, terminals, and splices; please visit the DLA qualified products database found at https://qpldocs.dla.mil/

DMC does NOT provide connectors, backshells, accessories, or wiring components. Parts shown are for reference only.

SAE-AS50151 ADAPTERS

SERIES MS3100, MS3400, & MS3450

COUPLING METHOD	QUICK DISCONNECT – THREADED COUPLING RINGS
KEYING POSITIONS	BLANK (NORMAL), W, X, Y, Z
ALTERNATE KEYING METHOD	ROTATION OF INSERT WITHIN SHELL – KEY REMAINS STATIONARY
EMI/RFI GROUNDING	NO

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	SERVICE CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
MS	3400	D	18	10	P	W

PLUGS

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
SERIES MS3100 MS3106( ) MS3107( ) MS3108( ) **SERIES MS3400** MS3406( ) MS3408( ) MS3409( ) **SERIES MS3450** MS3456( ) MS3459( )	8	ALL	CM5015-8	CHROME	BT-HT-100 (¼" SQ. DRIVE)	CM-S-5015 (SIZES 8-48) OR CM-S-5015S (SIZES 8-28) OR CM-S-5015M (SIZES 32-48)
	10		CM5015-10			
	12		CM5015-12			
	14		CM5015-14			
	16		CM5015-16			
	18		CM5015-18			
	20		CM5015-20		BT-HT-107 (⅜" SQ. DRIVE)	
	22		CM5015-22			
	24		CM5015-24			
	28		CM5015-28			
	32		CM5015-32			
	36		CM5015-36			
	40		CM5015-40			
	44		CM5015-44			
	48		CM5015-48			

RECEPTACLES

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
SERIES MS3100 MS3100( ) MS3101( ) MS3102( ) MS3103( ) MS3142( ) MS3143( ) **SERIES MS3400** MS3400( ) MS3401( ) MS3402( ) MS3404( ) MS3412( ) **SERIES MS3450** MS3450( ) MS3451( ) MS3452( ) MS3454( )	8	ALL	CM5015R-8	CHROME	BT-HT-100 (¼" SQ. DRIVE)	CM-S-5015R (SIZES 8-48) OR CM-S-5015RS (SIZES 8-28) OR CM-S-5015RM (SIZES 32-48)
	10		CM5015R-10			
	12		CM5015R-12			
	14		CM5015R-14			
	16		CM5015R-16			
	18		CM5015R-18			
	20		CM5015R-20		BT-HT-107 (⅜" SQ. DRIVE)	
	22		CM5015R-22			
	24		CM5015R-24			
	28		CM5015R-28			
	32		CM5015R-32			
	36		CM5015R-36			
	40		CM5015R-40			
	44		CM5015R-44			
	48		CM5015R-48			

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MIL-DTL-22992 ADAPTERS

CLASS C, J, & R

COUPLING METHOD	QUICK DISCONNECT – THREADED COUPLING RINGS
KEYING POSITIONS	BLANK (NORMAL), W, X, Y, Z
ALTERNATE KEYING METHOD	ROTATION OF INSERT WITHIN SHELL – KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	NO

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	SERVICE CLASS	SHELL SIZE	FINISH	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
MS	17345	C	28	N	15	P	X

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS17344( )	12	ALL	CM229-12	BROWN	BT-HT-100 (¼" SQ. DRIVE)	CM-S-229
	14		CM229-14			
	16		CM229-16			
	18		CM229-18			
	20		CM229-20		BT-HT-107 (⅜" SQ. DRIVE)	
	22		CM229-22			
	24		CM229-24			
	36		CM229-36			
	40		CM229-40			

Note: For shell sizes 28, 32, 44, see MIL-DTL-22992 Class L

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS17343( ) MS17345( ) MS17346( ) MS17347( ) MS17348( )	12	-	NOT AVAILABLE	-	N/A	N/A
	14					
	16					
	18					
	20					
	22					
	24					
	36					
	40					

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MIL-DTL-22992 ADAPTERS
CLASS L

COUPLING METHOD	QUICK DISCONNECT – THREADED COUPLING RINGS
KEYING POSITIONS	N (NORMAL), W, X, Y
ALTERNATE KEYING METHOD	ROTATION OF INSERT WITHIN SHELL – KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	NO

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	FINISH	SHELL SIZE	MASTER KEY/ KEYWAY POSITION	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	ALTERNATE INSERT POSITION
MS	90556	C	44	N	01	P	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS90556( ) MS90558( )	28	ALL	CM229L-28	BLACK	BT-HT-107 (⅜" SQ. DRIVE)	CM-S-229L
	32		CM229L-32			
	44		CM229L-44			
	48		CM229L-48			
	52		CM229L-52			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS90555( ) MS90557( )	28	-	NOT AVAILABLE	-	N/A	N/A
	32					
	44					
	48					
	52					

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MIL-DTL-26482 ADAPTERS

SERIES 1 & 2

COUPLING METHOD	BAYONET
KEYING POSITIONS	BLANK (NORMAL), W, X, Y, Z
ALTERNATE KEYING METHOD	ROTATION OF INSERT WITHIN SHELL – KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	SERVICE CLASS	SHELL SIZE	TERMINATION TYPE/SHELL MATERIAL*	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
MS	3114	E	12	C	10	P	W

**Hermetic receptacles only*

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SERIES 1 MS3116( ) MS3126( ) **SERIES 2** MS3475( ) MS3476( )	8	ALL	CM264-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264
	10		CM264-10			
	12		CM264-12			
	14		CM264-14			
	16		CM264-16			
	18		CM264-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264-20			
	22		CM264-22			
	24		CM264-24			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SERIES 1 MS3110( ) MS3111( ) MS3112( ) MS3113( ) MS3114( ) MS3119( ) MS3120( ) MS3121( ) MS3122( ) MS3124( ) MS3127( ) MS3128( ) **SERIES 2** MS3440( ) MS3442( ) MS3443( ) MS3449( ) MS3470( ) MS3471( ) MS3472( ) MS3473( ) MS3474( ) MS3477( ) MS3479( )	8	ALL	CM264R-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264R
	10		CM264R-10			
	12		CM264R-12			
	14		CM264R-14			
	16		CM264R-16			
	18		CM264R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264R-20			
	22		CM264R-22			
	24		CM264R-24			

MIL-DTL-26500 ADAPTERS

COUPLING METHOD	BAYONET OR THREADED
KEYING POSITIONS	N (NORMAL), 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ALTERNATE KEYING METHOD	INSERT ROTATION IN POSITIONS 1 THRU 5, MINOR KEYS ROTATE IN POSITIONS 6 THRU 10
EMI/RFI GROUNDING	NO

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	CLASS	SHELL SIZE	COUPLING TYPE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION	H
MS	24264	R	18	B	31	9	6	CABLE SUPPORT

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL NUMBER**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS24266( ) MS27615( )	8	N, 8, 9	CM837-8A*	GREEN	BT-HT-100 (¼" SQ. DRIVE)	CM-S-837
	8	6, 7	CM837-8B*			
	8	N, 8, 9	CM837-8C**			
	8	6, 7	CM837-8D**			
	10	N, 8, 9	CM837-10A			
	10	6, 7, 10	CM837-10B			
	12	N, 6, 8	CM837-12A			
	12	7, 9, 10	CM837-12B			
	14	N, 6, 8	CM837-14A			
	14	7, 9, 10	CM837-14B			
	16	N, 6, 8	CM837-16A			
	16	7, 9, 10	CM837-16B			
	18	N, 6, 8	CM837-18A		BT-HT-107 (⅜" SQ. DRIVE)	
	18	7, 9, 10	CM837-18B			
	20	N, 6, 8	CM837-20A			
	20	7, 9, 10	CM837-20B			
	22	N, 6, 8	CM837-22A			
	22	7, 9, 10	CM837-22B			
	24	N, 6, 8	CM837-24A			
	24	7, 9, 10	CM837-24B			
	28	N, 6, 8	CM837-28A			
	28	7, 9, 10	CM837-28B			

See receptacles on following page.

Note: Plug - Coupling Types:
**For use with bayonet coupling connectors only.*
***For use with threaded coupling connectors only.*

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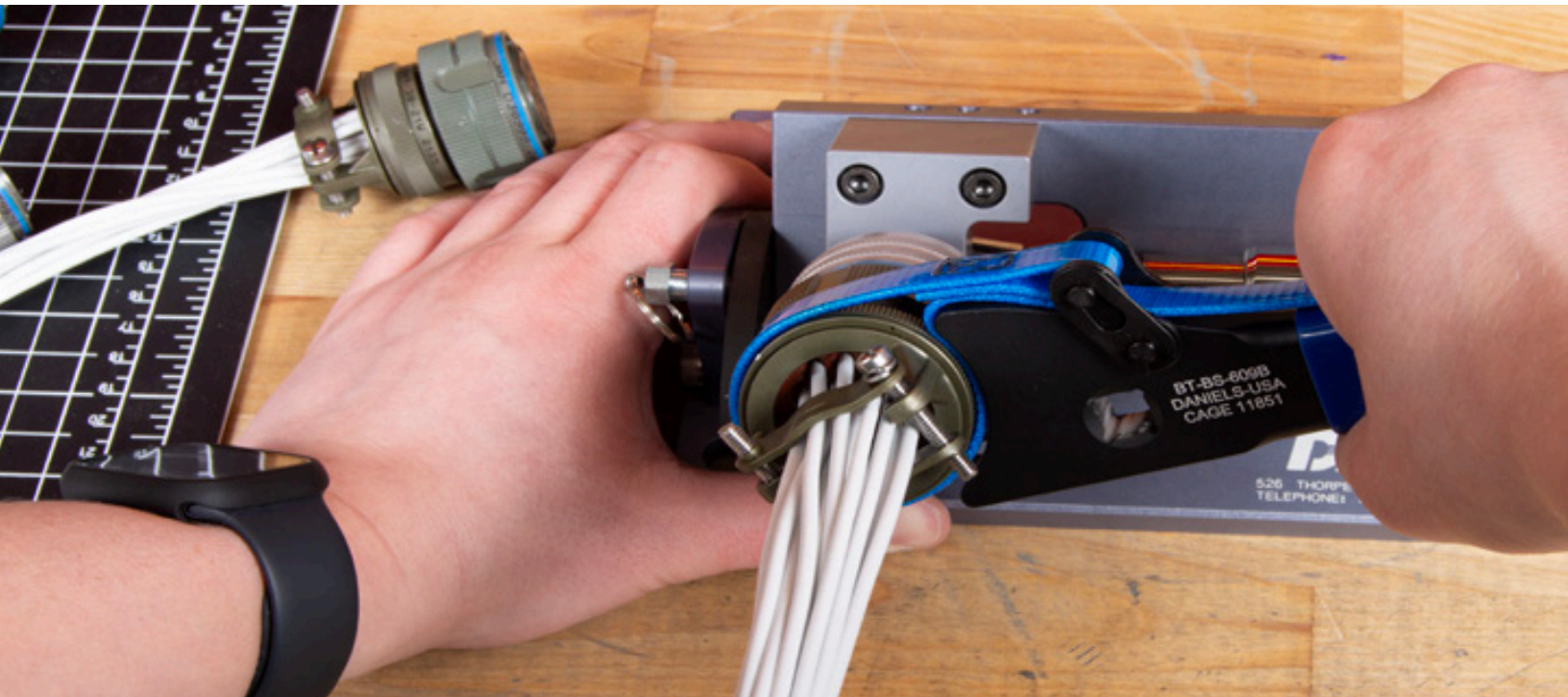
MIL-DTL-26500 ADAPTERS CONTINUED

RECEPTACLES						
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL NUMBER	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
MS24264( ) MS24265( ) MS27034( ) MS27613( ) MS27614( )	8	ALL	CM837RB-8	GREEN	BT-HT-100 (¼"SQ. DRIVE)	CM-S-837RB
	10		CM837RB-10			
	12		CM837RB-12			
	14		CM837RB-14			
	16		CM837RB-16			
	18		CM837RB-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM837RB-20			
	22		CM837RB-22			
	24		CM837RB-24			

Note: Receptacle - Coupling types:
For use with bayonet coupling connectors only.
Adapter tools not available for use with threaded coupling connectors.



MIL-DTL-28840 ADAPTERS

COUPLING METHOD	THREADED
KEYING POSITIONS	1, 2, 3, 4, 5, 6
ALTERNATE KEYING METHOD	MASTER KEY REMAINS STATIONARY –MINOR KEYS ROTATE INDEPENDENTLY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	BACKSHELL SIZE	BACKSHELL STYLE	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
M28840/16	B	D	1	C	B	S	4

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
M28840/16( ) M28840/17( ) M28840/18( ) M28840/19( ) M28840/26( ) M28840/28( ) M28840/29( )	11(A)	1, 3, 5	CM288-11A	WHITE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-288
	11(A)	2, 4, 6	CM288-11B			
	13(B)	1, 3, 5	CM288-13A			
	13(B)	2, 4, 6	CM288-13B			
	15(C)	2, 3, 4	CM288-15A			
	15(C)	1, 5, 6	CM288-15B			
	17(D)	2, 3, 4	CM288-17A			
	17(D)	1, 5, 6	CM288-17B			
	19(E)	2, 3, 4	CM288-19A		BT-HT-107 (⅜" SQ. DRIVE)	
	19(E)	1, 5, 6	CM288-19B			
	23(F)	2, 3, 4	CM288-23A			
	23(F)	1, 5, 6	CM288-23B			
	25(G)	2, 3, 4	CM288-25A			
	25(G)	1, 5, 6	CM288-25B			
	29(H)	2, 3, 4	CM288-29A			
	29(H)	1, 5, 6	CM288-29B			
	33(J)	2, 3, 4	CM288-33A			
	33(J)	1, 5, 6	CM288-33B			

See receptacles on following page.

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MIL-DTL-28840 ADAPTERS CONTINUED

RECEPTACLES						
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
M28840/10( ) M28840/11( ) M28840/12( ) M28840/14( ) M28840/20( ) M28840/21( )	11(A)	1	CM288R-11A	WHITE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-288R
	11(A)	2, 3, 4, 5, 6	CM288R-11B			
	13(B)	1	CM288R-13A			
	13(B)	2, 3, 4, 5, 6	CM288R-13B			
	15(C)	1	CM288R-15A			
	15(C)	2, 3, 4, 5, 6	CM288R-15B			
	17(D)	1	CM288R-17A			
	17(D)	2, 3, 4, 5, 6	CM288R-17B			
	19(E)	1	CM288R-19A		BT-HT-107 (⅜" SQ. DRIVE)	
	19(E)	2, 3, 4, 5, 6	CM288R-19B			
	23(F)	1	CM288R-23A			
	23(F)	2, 3, 4, 5, 6	CM288R-23B			
	25(G)	1	CM288R-25A			
	25(G)	2, 3, 4, 5, 6	CM288R-25B			
	29(H)	1	CM288R-29A			
	29(H)	2, 3, 4, 5, 6	CM288R-29B			
	33(J)	1	CM288R-33A			
	33(J)	2, 3, 4, 5, 6	CM288R-33B			

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MIL-DTL-38999 ADAPTERS
SERIES 1

COUPLING METHOD	BAYONET
KEYING POSITIONS	BLANK (NORMAL), A, B, C, D
ALTERNATE KEYING METHOD	ROTATION OF MASTERKEY – MINOR KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	CLASS	SHELL SIZE	FINISH	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
MS	27467	E	13	F	8	P	A

PLUGS

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
MS27467( ) MS27498( ) MS27653( ) MS27661( )	9	ALL	CM389L-9	BLUE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389L
	11		CM389L-11			
	13		CM389L-13			
	15		CM389L-15			
	17		CM389L-17			
	19		CM389L-19		BT-HT-107 (⅜" SQ. DRIVE)	
	21		CM389L-21			
	23		CM389L-23			
	25		CM389L-25			

RECEPTACLES

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
MS27466( ) MS27468( ) MS27469( ) MS27470( ) MS27471( ) MS27496( ) MS27505( ) MS27515( ) MS27652( ) MS27654( ) MS27656( ) MS27662( )	9	ALL	CM389LR-9	BLUE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389LR
	11		CM389LR-11			
	13		CM389LR-13			
	15		CM389LR-15			
	17		CM389LR-17			
	19		CM389LR-19		BT-HT-107 (⅜" SQ. DRIVE)	
	21		CM389LR-21			
	23		CM389LR-23			
	25		CM389LR-25			

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MIL-DTL-38999 ADAPTERS
SERIES 2

COUPLING METHOD	BAYONET
KEYING POSITIONS	BLANK (NORMAL), A, B, C, D
ALTERNATE KEYING METHOD	MASTER KEY ROTATES - MINOR KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY PREFIX	SHELL STYLE	SERVICE CLASS	SHELL SIZE	FINISH	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
MS	27473	E	12	F	8	P	A

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS27473( ) MS27480( ) MS27484( ) MS27500( )	8	ALL	CM389S-8	GRAY	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389S
	10		CM389S-10			
	12		CM389S-12			
	14		CM389S-14			
	16		CM389S-16			
	18		CM389S-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM389S-20			
	22		CM389S-22			
	24		CM389S-24			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
MS27472( ) MS27474( ) MS27475( ) MS27476( ) MS27477( ) MS27478( ) MS27479( ) MS27481( ) MS27482( ) MS27483( ) MS27497( ) MS27499( ) MS27504( ) MS27508( ) MS27513( ) MS27664( )	8	ALL	CM264R-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264R
	10		CM264R-10			
	12		CM264R-12			
	14		CM264R-14			
	16		CM264R-16			
	18		CM264R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264R-20			
	22		CM264R-22			
	24		CM264R-24			

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MIL-DTL-38999 ADAPTERS
SERIES 3

COUPLING METHOD	THREADED, TRIPLE START SELF-LOCKING
KEYING POSITIONS	N (NORMAL), A, B, C, D, E
ALTERNATE KEYING METHOD	MASTER KEY REMAINS STATIONARY –MINOR KEYS ROTATE INDEPENDENTLY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
D38999/26	F	J	30	P	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
D38999/26( ) D38999/29( ) D38999/30( ) D38999/31( ) D38999/36( )	9(A)	N, C, D	CM389T-9A	LAVENDER	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389T
	9(A)	A, B, E	CM389T-9B			
	11(B)	N, D, E	CM389T-11A			
	11(B)	A, B, C	CM389T-11B			
	13(C)	N, D, E	CM389T-13A			
	13(C)	A, B, C	CM389T-13B			
	15(D)	N, D, E	CM389T-15A			
	15(D)	A, B, C	CM389T-15B			
	17(E)	N, A, B	CM389T-17A			
	17(E)	C, D, E	CM389T-17B			
	19(F)	N, A, B	CM389T-19A		BT-HT-107 (⅜" SQ. DRIVE)	
	19(F)	C, D, E	CM389T-19B			
	21(G)	N, A, B	CM389T-21A			
	21(G)	C, D, E	CM389T-21B			
	23(H)	N, A, B	CM389T-23A			
	23(H)	C, D, E	CM389T-23B			
	25(J)	N, A, B	CM389T-25A			
	25(J)	C, D, E	CM389T-25B			

See receptacles on following page.

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MIL-DTL-38999 ADAPTERS
SERIES 3

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
D38999/20( ) D38999/21( ) D38999/23( ) D38999/24( ) D38999/25( ) D38999/27( ) D38999/34( ) D38999/35( )	9(A)	N	CM389TR-9A	LAVENDER	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389TR
	9(A)	A, B, C, D, E	CM389TR-9B			
	11(B)	N	CM389TR-11A			
	11(B)	A, B, C, D, E	CM389TR-11B			
	13(C)	N	CM389TR-13A			
	13(C)	A, B, C, D, E	CM389TR-13B			
	15(D)	N	CM389TR-15A			
	15(D)	A, B, C, D, E	CM389TR-15B			
	17(E)	N	CM389TR-17A			
	17(E)	A, B, C, D, E	CM389TR-17B			
	19(F)	N	CM389TR-19A		BT-HT-107 (⅜" SQ. DRIVE)	
	19(F)	A, B, C, D, E	CM389TR-19B			
	21(G)	N	CM389TR-21A			
	21(G)	A, B, C, D, E	CM389TR-21B			
	23(H)	N	CM389TR-23A			
	23(H)	A, B, C, D, E	CM389TR-23B			
	25(J)	N	CM389TR-25A			
	25(J)	A, B, C, D, E	CM389TR-25B			

MIL-DTL-38999 ADAPTERS
SERIES 4

COUPLING METHOD	BREECH-LOCK (SELF LOCKING)
KEYING POSITIONS	N (NORMAL), A, B, C, D
ALTERNATE KEYING METHOD	MASTER KEY REMAINS STATIONARY – INTERLOCKING SECTIONS ROTATE INDEPENDENTLY
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
D38999/46	F	J	35	P	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
D38999/43( ) D38999/47( )	11(B)	ALL	CM389B-11	BEIGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389B
	13(C)		CM389B-13			
	15(D)		CM389B-15			
	17(E)		CM389B-17		BT-HT-107 (⅜" SQ. DRIVE)	
	19(F)		CM389B-19			
	21(G)		CM389B-21			
	23(H)		CM389B-23			
	25(J)		CM389B-25			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
D38999/40( ) D38999/41( ) D38999/42( ) D38999/43( ) D38999/44( ) D38999/45( ) D38999/48( ) D38999/49( )	11(B)	ALL	CM389BR-11	BEIGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-389BR
	13(C)		CM389BR-13			
	15(D)		CM389BR-15			
	17(E)		CM389BR-17		BT-HT-107 (⅜" SQ. DRIVE)	
	19(F)		CM389BR-19			
	21(G)		CM389BR-21			
	23(H)		CM389BR-23			
	25(J)		CM389BR-25			

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SAE-AS81511 ADAPTERS

SERIES 1 & 3

COUPLING METHOD	BAYONET
KEYING POSITIONS	1, 2, 3, 4, 5, 6
ALTERNATE KEYING METHOD	MASTER KEY REMAINS STATIONARY – MINOR KEYS ROTATE INDEPENDENTLY
EMI/RFI GROUNDING	YES – PLUGS CONTAIN EMI/RFI GROUNDING FINGERS

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
M81511/26	E	D	01	P	1

PLUGS

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
SERIES 1 M81511/26( ) **SERIES 3** M8151¼6( )	8(A)	1, 2, 3	CM815L-8A	YELLOW	BT-HT-100 (¼" SQ. DRIVE)	CM-S-815L
	8(A)	4, 5, 6	CM815L-8B			
	10(B)	1, 2, 6	CM815L-10A			
	10(B)	3, 4, 5	CM815L-10B			
	14(D)	1, 2, 6	CM815L-14A			
	14(D)	3, 4, 5	CM815L-14B			
	16(E)	1, 2, 3	CM815L-16A			
	16(E)	4, 5, 6	CM815L-16B			
	18(F)	1, 2, 3	CM815L-18A		BT-HT-107 (⅜" SQ. DRIVE)	
	18(F)	4, 5, 6	CM815L-18B			
	20(G)	1, 2, 3	CM815L-20A			
	20(G)	4, 5, 6	CM815L-20B			
	22(H)	1, 2, 3	CM815L-22A			
	22(H)	4, 5, 6	CM815L-22B			
	24(J)	1, 2, 3	CM815L-24A			
	24(J)	4, 5, 6	CM815L-24B			

RECEPTACLES

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
SERIES 1 M81511/21( ) M81511/23( ) M81511/25( ) **SERIES 3** M81511/41( ) M81511/45( ) M81511/49( )	8(A)	ALL	CM815R-8	YELLOW	BT-HT-100 (¼" SQ. DRIVE)	CM-S-815R
	10(B)		CM815R-10			
	14(D)		CM815R-14			
	16(E)		CM815R-16			
	18(F)		CM815R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20(G)		CM815R-20			
	22(H)		CM815R-22			
	24(J)		CM815R-24			

SAE-AS81511 ADAPTERS
SERIES 2 & 4

COUPLING METHOD	BAYONET
KEYING POSITIONS	1, 2, 3, 4, 5, 6
ALTERNATE KEYING METHOD	REMAINS STATIONARY – MINOR KEYS ROTATE INDEPENDENTLY
EMI/RFI GROUNDING	YES

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
M81511/06	E	D	01	P	1

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SERIES 2 M81511/06( ) **SERIES 4** M81511/56( )	8(A)	ALL	CM815S-8	RED	BT-HT-100 (¼" SQ. DRIVE)	CM-S-815S
	10(B)	1, 4, 5	CM815S-10A			
	10(B)	2, 3, 6	CM815S-10B			
	14(D)	1, 4, 5	CM815S-14A			
	14(D)	2, 3, 6	CM815S-14B			
	16(E)	1, 2, 4	CM815S-16A			
	16(E)	3, 5, 6	CM815S-16B			
	18(F)	1, 2, 4	CM815S-18A			
	18(F)	3, 5, 6	CM815S-18B			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SERIES 2 M81511/01( ) M81511/03( ) M81511/05( ) **SERIES 4** M81511/51( ) M81511/53( ) M81511/55( )	8(A)	ALL	CM815R-8	YELLOW	BT-HT-100 (¼" SQ. DRIVE)	CM-S-815R
	10(B)		CM815R-10			
	14(D)		CM815R-14			
	16(E)		CM815R-16			
	18(F)		CM815R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20(G)		CM815R-20			
	22(H)		CM815R-22			
	24(J)		CM815R-24			

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MIL-DTL-83723 ADAPTERS

SERIES 1 - REPLACED BY MIL-DTL-26482, SERIES 2

Coupling Method	BAYONET
Keying Positions	N (NORMAL), W, X, Y, Z
Alternate Keying Method	ROTATION OF INSERT – KEYS REMAIN STATIONARY
EMI/RFI Grounding	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	KEYING POSITION
M83723/13	A	22	55	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
M83723/13( ) M83723/14( ) M83723/36( ) M83723/37( ) M83723/42( ) M83723/43( ) M83723/48( ) M83723/49( )	8	ALL	CM264-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264
	10		CM264-10			
	12		CM264-12			
	14		CM264-14			
	16		CM264-16			
	18		CM264-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264-20			
	22		CM264-22			
	24		CM264-24			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
M83723/01( ) M83723/02( ) M83723/03( ) M83723/04( ) M83723/05( ) M83723/06( ) M83723/07( ) M83723/08( ) M83723/09( ) M83723/10( ) M83723/11( ) M83723/12( ) M83723/38( ) M83723/39( ) M83723/40( ) M83723/41( )	8	ALL	CM264R-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264R
	10		CM264R-10			
	12		CM264R-12			
	14		CM264R-14			
	16		CM264R-16			
	18		CM264R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264R-20			
	22		CM264R-22			
	24		CM264R-24			

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MIL-DTL-83723 ADAPTERS

SERIES 2 (INTERMATEABLE WITH AS50151)

COUPLING METHOD	THREADED
KEYING POSITIONS	N (NORMAL), W, X, Y, Z
ALTERNATE KEYING METHOD	ROTATION OF INSERT – KEYS REMAIN STATIONARY
EMI/RFI GROUNDING	NO

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	KEYING POSITION
M83723/23	G	22	55	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
M83723/23( ) M83723/24( ) M83723/52( ) M83723/53( )	8	ALL	CM5015-8	CHROME	BT-HT-100 (¼" SQ. DRIVE)	CM-S-5015 (SIZES 8-48) OR CM-S-5015S (SIZES 8-28) OR CM-S-5015M (SIZES 32-48)
	10		CM5015-10			
	12		CM5015-12			
	14		CM5015-14			
	16		CM5015-16			
	18		CM5015-18			
	20		CM5015-20		BT-HT-107 (⅜" SQ. DRIVE)	
	22		CM5015-22			
	24		CM5015-24			
	28		CM5015-28			
	32		CM5015-32			
	36		CM5015-36			
	40		CM5015-40			
	44		CM5015-44			
	48		CM5015-48			

See receptacles on following page.

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MIL-DTL-83723 ADAPTERS CONTINUED

SERIES 2 (INTERMATEABLE WITH AS50151)

RECEPTACLES						
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
M83723/17( ) M83723/18( ) M83723/19( ) M83723/20( ) M83723/21( ) M83723/22( ) M83723/25( ) M83723/26( )	8	ALL	CM5015R-8	CHROME	BT-HT-100 (¼" SQ. DRIVE)	CM-S-5015R (SIZES 8-48) OR CM-S-5015RS (SIZES 8-28) OR CM-S-5015RM (SIZES 32-48)
	10		CM5015R-10			
	12		CM5015R-12			
	14		CM5015R-14			
	16		CM5015R-16			
	18		CM5015R-18			
	20		CM5015R-20		BT-HT-107 (⅜" SQ. DRIVE)	
	22		CM5015R-22			
	24		CM5015R-24			
	28		CM5015R-28			
	32		CM5015R-32			
	36		CM5015R-36			
	40		CM5015R-40			
	44		CM5015R-44			
	48		CM5015R-48			

MIL-DTL-83723 ADAPTERS

SERIES 3 (REF: MIL-DTL-26500)

COUPLING METHOD	BAYONET OR THREADED
KEYING POSITIONS	N (NORMAL), 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
ALTERNATE KEYING METHOD	INSERT ROTATION IN POSITIONS 1 THRU 5, MINOR KEY ROTATION IN POSITIONS 6 THRU 10
EMI/RFI GROUNDING	YES (EMI/RFI FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

MILITARY SPECIFICATION SHEET	CLASS	SHELL SIZE	INSERT ARRANGEMENT	KEYING POSITION
M83723/75	F	22	55	N

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
BAYONET M83723/75( ) M83723/76( ) M83723/77( ) M83723/78( ) **THREADED** M83723/66( ) M83723/67( ) M83723/68( ) M83723/69( ) M83723/86( ) M83723/87( ) M83723/91( ) M83723/92( ) M83723/95( ) M83723/96( ) M83723/97( ) M83723/98( )	8	N, 8, 9	CM837-8A*	GREEN	BT-HT-100 (¼" SQ. DRIVE)	CM-S-837
	8	6, 7	CM837-8B*			
	8	N, 8, 9	CM837-8C**			
	8	6, 7	CM837-8D**			
	10	N, 8, 9	CM837-10A			
	10	6, 7, 10	CM837-10B			
	12	N, 6, 8	CM837-12A			
	12	7, 9, 10	CM837-12B			
	14	N, 6, 8	CM837-14A			
	14	7, 9, 10	CM837-14B			
	16	N, 6, 8	CM837-16A			
	16	7, 9, 10	CM837-16B			
	18	N, 6, 8	CM837-18A		BT-HT-107 (⅜" SQ. DRIVE)	
	18	7, 9, 10	CM837-18B			
	20	N, 6, 8	CM837-20A			
	20	7, 9, 10	CM837-20B			
	22	N, 6, 8	CM837-22A			
	22	7, 9, 10	CM837-22B			
	24	N, 6, 8	CM837-24A			
	24	7, 9, 10	CM837-24B			
	28	N, 6, 8	CM837-28A			
	28	7, 9, 10	CM837-28B			

See receptacles on following page.

Note: Plug - Coupling types:
**For use with bayonet coupling connectors only.*
***For use with threaded coupling connectors only.*

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MIL-DTL-83723 ADAPTERS CONTINUED

SERIES 3 (REF: MIL-DTL-26500)

RECEPTACLES						
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
BAYONET M83723/65( ) M83723/71( ) M83723/72( ) M83723/73( ) M83723/74( ) M83723/79( ) M8372⅜0( ) M8372⅜1( ) M83723/93( ) M83723/94( )	8	ALL	CM837RB-8	GREEN	BT-HT-100 (¼"SQ. DRIVE)	CM-S-837RB
	10		CM837RB-10			
	12		CM837RB-12			
	14		CM837RB-14			
	16		CM837RB-16			
	18		CM837RB-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM837RB-20			
	22		CM837RB-22			
	24		CM837RB-24			

Note: Plug - Coupling types:
**For use with bayonet coupling connectors only.*
***For use with threaded coupling connectors only.*

PATTERN 602 ADAPTERS

PAN 6432-4, EL2112

COUPLING METHOD	BAYONET
KEYING POSITIONS	N (NORMAL), B, C, E, F FOR SHELL; N (NORMAL), W, X, Y, Z FOR INSERT
ALTERNATE KEYING METHOD N/A N/A	MASTER KEY REMAINS STATIONARY – MINOR KEYS AND BAYONET PINS ROTATE. ALSO, INSERT ROTATES
EMI/RFI GROUNDING	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

IDENTIFICATION NUMBER	SHELL STYLE	SHELL SIZE	NUMBER OF CONTACTS	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION
602	6	18	32	P	N

PLUGS

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
6026( )	8	N	CM602-8A	PURPLE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-602
	8	E, F	CM602-8B			
	10	N, B, C	CM602-10A			
	10	E, F	CM602-10B			
	12	N, B, C	CM602-12A			
	12	E, F	CM602-12B			
	14	N, B, C	CM602-14A			
	14	E, F	CM602-14B			
	16	N, B, C	CM602-16A			
	16	E, F	CM602-16B			
	18	N, B, C	CM602-18A		BT-HT-107 (⅜" SQ. DRIVE)	
	18	E, F	CM602-18B			
	20	N, B, C	CM602-20A			
	20	E, F	CM602-20B			
	22	N, B, C	CM602-22A			
	22	E, F	CM602-22B			
	24	N, B, C	CM602-24A			
	24	E, F	CM602-24B			

RECEPTACLES

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	COLOR	T-HANDLE WRENCH	ADAPTER TOOL SET
6020( ) 6027( ) 6021H( ) 6027H( )	8	ALL	CM264R-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264R
	10		CM264R-10			
	12		CM264R-12			
	14		CM264R-14			
	16		CM264R-16			
	18		CM264R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264R-20			
	22		CM264R-22			
	24		CM264R-24			

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PATTERN 615 ADAPTERS

PAN 6433-2

Coupling Method	BAYONET
Keying Positions	BLANK (NORMAL), A, B, C, D
Alternate Keying Method	MASTER KEY ROTATES – MINOR KEYS REMAIN STATIONARY
EMI/RFI Grounding	YES (EMI/RFI GROUNDING FINGERS MAY NOT BE AVAILABLE ON ALL MODELS)

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

IDENTIFICATION NUMBER	SHELL STYLE	SERVICE CLASS	SHELL SIZE	INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	KEYING POSITION	FINISH
SJT	00	RT	18	66	P	A	005

PLUGS						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL NUMBER**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SJT06RT( ) SJTG06RT( )	8	ALL	CMSJT-8	GOLD	BT-HT-100 (¼" SQ. DRIVE)	CM-S-SJT
	10		CMSJT-10			
	12		CMSJT-12			
	14		CMSJT-14			
	16		CMSJT-16			
	18		CMSJT-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CMSJT-20			
	22		CMSJT-22			
	24		CMSJT-24			

RECEPTACLES						
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL NUMBER**	**COLOR**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
SJT00RT( ) SJT07RT( ) SJTP00RT( ) SJTP02RE( ) SJT07Y( ) SJTIY( )	8	ALL	CM264R-8	ORANGE	BT-HT-100 (¼" SQ. DRIVE)	CM-S-264R
	10		CM264R-10			
	12		CM264R-12			
	14		CM264R-14			
	16		CM264R-16			
	18		CM264R-18		BT-HT-107 (⅜" SQ. DRIVE)	
	20		CM264R-20			
	22		CM264R-22			
	24		CM264R-24			

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AMPHENOL 2M801 / GLENAIR 801 ADAPTERS

MICRO CONNECTORS

COUPLING METHOD	DUAL-START ACME THREAD
KEYING POSITIONS	A, B, C, D, E, F

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

SERIES	SHELL STYLE	SHELL MATERIAL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	POLARIZATION
801 - 007	16	M	9-4	P	A

PLUGS					
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
AMPHENOL 2M801-007( ) 2M801-008( ) **GLENAIR** 801-007( ) 801-008( )	5	A, B, E	CM801-05A*	BT-HT-100 (¼" SQ. DRIVE)	CM-S-801
	5	C, D	CM801-05B*		
	5	F	CM801-05FF*		
	6	A, B, E	CM801-06A*		
	6	C, D	CM801-06B*		
	6	F	CM801-06FF*		
	7	A, B, E	CM801-07A*		
	7	C, D	CM801-07B*		
	7	F	CM801-07FF*		
	8	A, B, E	CM801-08A*		
	8	C, D	CM801-08B*		
	8	F	CM801-08FF*		
	9	A, B, C, D, E, F	CM801-09A*		
	10	A, B, C, D, E, F	CM801-10A*		
	13	A, B, C, D, E, F	CM801-13A*		
	16	A, B, C, D, E, F	CM801-16A*		
	17	A, B, C, D, E, F	CM801-17A*		
	21	A, B, C, D, E, F	CM801-21A*		

Notes:
Adapter tools made to fit Amphenol 2M801 series connectors.
**Indicates that adapter tools will also fit Glenair 801 "Mighty Mouse" series connectors.*
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M801 / GLENAIR 801 ADAPTERS CONTINUED
MICRO CONNECTORS

RECEPTACLES					
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
AMPHENOL 2M801-009( ) 2M801-010( ) **GLENAIR** 801-009( ) 801-010( )	5	A, B, F	CM801R-05A	BT-HT-100 (¼" SQ. DRIVE)	CM-S-801R
	5	D, E	CM801R-05B		
	5	C	CM801R-05CC		
	6	A, B, F	CM801R-06A		
	6	D, E	CM801R-06B		
	6	C	CM801R-06CC		
	7	A, B, F	CM801R-07A		
	7	D, E	CM801R-07B		
	7	C	CM801R-07CC		
	8	A, B, F	CM801R-08A		
	8	D, E	CM801R-08B		
	8	C	CM801R-08CC		
	9	A, B, F	CM801R-09A		
	9	D, E	CM801R-09B		
	9	C	CM801R-09CC		
	10	A, B, F	CM801R-10A		
	10	D, E	CM801R-10B		
	10	C	CM801R-10CC		
	13	A, B, F	CM801R-13A		
	13	D, E	CM801R-13B		
	13	C	CM801R-13CC		
	16	A, B, F	CM801R-16A		
	16	D, E	CM801R-16B		
	16	C	CM801R-16CC		
	17	A, B, F	CM801R-17A		
	17	D, E	CM801R-17B		
	17	C	CM801R-17CC		
	21	A, B, F	CM801R-21A		
	21	D, E	CM801R-21B		
	21	C	CM801R-21CC		

Notes:
Adapter tools made to fit Amphenol 2M801 series connectors.
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M803/GLENAIR 803 ADAPTERS

MICRO CONNECTORS

COUPLING METHOD	BAYONET
KEYING POSITIONS	A, B, C, D, E, F

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

SERIES	SHELL STYLE	SHELL MATERIAL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	POLARIZATION
803 - 007	16	M	9-4	P	A

PLUGS					
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
AMPHENOL 2M803-001( ) 2M803-002( ) **GLENAIR** 803-001( ) 803-002( )	5	N, X	CM803-05A	BT-HT-100 (¼" SQ. DRIVE)	CM-S-803
	5	Y, Z	CM803-05B		
	6	N, X	CM803-06A		
	6	Y, Z	CM803-06B		
	7	N, X	CM803-07A*		
	7	Y, Z	CM803-07B*		
	8	N, X	CM803-08A		
	8	Y, Z	CM803-08B		
	9	N, X	CM803-09A*		
	9	Y, Z	CM803-09B*		
	10	N, X	CM803-10A*		
	10	Y, Z	CM803-10B*		
	12	N, X	CM803-12A*		
	12	Y, Z	CM803-12B*		
	14	N, X	CM803-14A		
	14	Y, Z	CM803-14B		
	15	N, X	CM803-15A		
	15	Y, Z	CM803-15B		

See receptacles on following page.

Notes:
Adapter tools made to fit Amphenol 2M803 series connectors.
**Indicates that adapter tools will also fit Glenair 803 "Mighty Mouse" series connectors.*
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M803/GLENAIR 803 ADAPTERS CONTINUED
MICRO CONNECTORS

RECEPTACLES					
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	T-HANDLE WRENCH	ADAPTER TOOL SET
AMPHENOL 2M803-003( ) 2M803-004( ) **GLENAIR** 803-003( ) 803-004( )	5	N, X	CM803R-05A	BT-HT-100 (¼" SQ. DRIVE)	CM-S-803R
	5	Y	CM803R-05YY		
	5	Z	CM803R-05ZZ		
	6	N, X	CM803R-06A		
	6	Y	CM803R-06YY		
	6	Z	CM803R-06ZZ		
	7	N, X	CM803R-07A		
	7	Y	CM803R-07YY		
	7	Z	CM803R-07ZZ		
	8	N, X	CM803R-08A		
	8	Y	CM803R-08YY		
	8	Z	CM803R-08ZZ		
	9	N, X	CM803R-09A		
	9	Y	CM803R-09YY		
	9	Z	CM803R-09ZZ		
	10	N, X	CM803R-10A		
	10	Y	CM803R-10YY		
	10	Z	CM803R-10ZZ		
	12	N, X	CM803R-12A		
	12	Y	CM803R-12YY		
	12	Z	CM803R-12ZZ		
	14	N, X	CM803R-14A		
	14	Y	CM803R-14YY		
	14	Z	CM803R-14ZZ		
	15	N, X	CM803R-15A		
	15	Y	CM803R-15YY		
	15	Z	CM803R-15ZZ		

Notes:
Adapter tools made to fit Amphenol 2M803 series connectors.
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M804
MICRO CONNECTORS

COUPLING METHOD	PUSH-PULL
KEYING POSITIONS	A, B, C, D, E, F

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

SERIES	SHELL STYLE	SHELL MATERIAL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	POLARIZATION
804 - 007	16	M	9-4	P	A

PLUGS

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	T-HANDLE WRENCH	ADAPTER TOOL SET
AMPHENOL 2M804-001( ) 2M804-002( )	5	A, B, E, U	CM804-05A	BT-HT-100 (¼" SQ. DRIVE)	CM-S-804
	5	C, D, U	CM804-05B		
	5	F, U	CM804-05FF		
	6	A, B, E, U	CM804-06A		
	6	C, D, U	CM804-06B		
	6	F, U	CM804-06FF		
	7	A, B, E, U	CM804-07A		
	7	C, D, U	CM804-07B		
	7	F,U	CM804-07FF		
	8	A, B, E, U	CM804-08A		
	8	C, D, U	CM804-08B		
	8	F, U	CM804-08FF		
	9	A,B,C,E,F,U	CM804-09A		
	9	D, U	CM804-09DD		
	10	A,B,C,E,F,U	CM804-10A		
	10	D, U	CM804-10DD		
	12	A,B,C,E,F,U	CM804-12A		
	12	D, U	CM804-12DD		
	14	A,B,C,E,F,U	CM804-14A		
	14	D, U	CM804-14DD		

RECEPTACLES

CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL	T-HANDLE WRENCH	ADAPTER TOOL SET
AMPHENOL 2M804-003( ) 2M804-004( )	5	U	CM804R-05UU	BT-HT-100 (¼" SQ. DRIVE)	CM-S-804R
	6	U	CM804R-06UU		
	7	U	CM804R-07UU		
	8	U	CM804R-08UU		
	9	U	CM804R-09UU		
	10	U	CM804R-10UU		
	12	U	CM804R-12UU		
	14	U	CM804R-14UU		
	15	U	CM804R-15UU		

Notes: Adapter tools made to fit Amphenol 2M803 series connectors.
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M805/GLENAIR 805 ADAPTERS

MICRO CONNECTORS

COUPLING METHOD	TRI-START
KEYING POSITIONS	A, B, C, D, E, F

TYPICAL CONNECTOR PART NUMBER BREAKDOWN

SERIES	SHELL STYLE	SHELL MATERIAL AND FINISH	SHELL SIZE - INSERT ARRANGEMENT	CONTACT TYPE (PIN OR SOCKET)	POLARIZATION
805 - 020	16	M	9-4	P	A

PLUGS					
CONNECTOR PREFIX NUMBER	**SHELL SIZE**	**KEYING POSITIONS**	**ADAPTER TOOL**	**T-HANDLE WRENCH**	**ADAPTER TOOL SET**
AMPHENOL 2M805-001( ) 2M805-002( ) **GLENAIR** 805-001( ) 805-002( )	8	A, B, E	CM805-08A*	BT-HT-100 (¼" SQ. DRIVE)	CM-S-805
	8	C, D	CM805-08B*		
	8	F	CM805-08FF*		
	9	A, B, E	CM805-09A*		
	9	C, D	CM805-09B*		
	9	F	CM805-09FF*		
	10	A, B, C, E, F	CM805-10A		
	10	D	CM805-10DD		
	11	A, B, C, E, F	CM805-11A*		
	11	D	CM805-11DD*		
	12	A, B, C, E, F	CM805-12A*		
	12	D	CM805-12DD*		
	15	A, B, C, E, F	CM805-15A*		
	15	D	CM805-15DD*		
	18	A, B, C, D, E, F	CM805-18A*		
	19	A, B, C, D, E, F	CM805-19A*		
	23	A, B, C, D, E, F	CM805-23A*		

See receptacles on following page.

Notes:
Adapter tools made to fit Amphenol 2M805 series connectors.
**Indicates that adapter tools will also fit Glenair 805 "Mighty Mouse" series connectors.*
Additional adapter keying positions and adapter shell sizes available upon request.

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AMPHENOL 2M805/GLENAIR 805 ADAPTERS CONTINUED

RECEPTACLES					
CONNECTOR PREFIX NUMBER	SHELL SIZE	KEYING POSITIONS	ADAPTER TOOL NUMBER	T-HANDLE WRENCH	ADAPTER TOOL SET
AMPHENOL 2M805-003( ) 2M805-004( ) **GLENAIR** 805-003( ) 805-004( )	8	A, B, F	CM805R-08A	BT-HT-100 (¼" SQ. DRIVE)	CM-S-805R
	8	D, E	CM805R-08B		
	8	C	CM805R-08CC		
	9	A, B, F	CM805R-09A		
	9	D, E	CM805R-09B		
	9	C	CM805R-09CC		
	10	A, B, F	CM805R-10A		
	10	D, E	CM805R-10B		
	10	C	CM805R-10CC		
	11	A, B, F	CM805R-11A		
	11	D, E	CM805R-11B		
	11	C	CM805R-11CC		
	12	A, B, F	CM805R-12A		
	12	D, E	CM805R-12B		
	12	C	CM805R-12CC		
	15	A, B, F	CM805R-15A		
	15	D, E	CM805R-15B		
	15	C	CM805R-15CC		
	18	A, B, F	CM805R-18A		
	18	D, E	CM805R-18B		
	18	C	CM805R-18CC		
	19	A, B, F	CM805R-19A		
	19	D, E	CM805R-19B		
	19	C	CM805R-19CC		
	23	A, B, F	CM805R-23A		
	23	D, E	CM805R-23B		
	23	C	CM805R-23CC		

Notes:
Adapter tools made to fit Amphenol 2M805 series connectors.
Additional adapter keying positions and adapter shell sizes available upon request.

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AS85049 CONNECTOR ACCESSORIES QUICK GUIDE

CONNECTOR	BACKSHELL
SAE-AS50151	AS85049/1*
	AS85049/2*
	AS85049/6
	AS85049/7
	AS85049/8
	AS85049/9
	AS85049/10
	AS85049/11
	AS85049/23
	AS85049/24
	AS85049/25
	AS85049/26
	AS85049/31
	AS85049/41*
	AS85049/42*
	AS85049/43
	AS85049/51
	AS85049/52
	AS85049/53
	AS85049/54
	AS85049/55
	AS85049/60
	AS85049/82
	AS85049/83
	AS85049/84
	AS85049/109
	AS85049/111
	AS85049/118
	AS85049/120
SAE-AS81703 SERIES 3	AS85049/51
	AS85049/43
	AS85049/8
	AS85049/9
	AS85049/7
	AS85049/6
	AS85049/10

CONNECTOR	BACKSHELL
SAE-AS81703 SERIES 3	AS85049/11
	AS85049/23
	AS85049/24
	AS85049/25
	AS85049/26
	AS85049/31
	AS85049/52
	AS85049/53
	AS85049/54
	AS85049/55
	AS85049/60
	AS85049/82
	AS85049/83
	AS85049/84
	AS85049/109
	AS85049/111
	AS85049/118
	AS85049/120
USE WITH AS85049/58 POTTING BOOT RING	AS85049/75
USE WITH AS85049/61 POTTING BOOT RING	AS85049/74
USE WITH SAE-AS85049/118, /120, /121, /123, /124, AND /126 ACCESSORIES	AS85049/127
USE WITH SAE-AS85049/82 - /90, /109 - /117 ACCESSORIES, AND GENERAL USE	AS85049/128
MIL-DTL-22992 CLASS C, J, & R	AS85049/3
	AS85049/4
	AS85049/5
	AS85049/59
MIL-DTL-26482 SERIES 1 JAM NUT RECEPTACLE CONNECTOR (INACTIVE)	AS85049/34
MIL-DTL-26482 SERIES 2	AS85049/6
	AS85049/7
	AS85049/8

** Solder type, V thread of MS31X, classes A, B, C or K connectors*

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CONNECTOR	BACKSHELL
MIL-DTL-26482 SERIES 2	AS85049/9
	AS85049/10
	AS85049/11
	AS85049/23
	AS85049/24
	AS85049/25
	AS85049/26
	AS85049/31
	AS85049/43
	AS85049/51
	AS85049/52
	AS85049/53
	AS85049/54
	AS85049/55
	AS85049/82
	AS85049/83
	AS85049/84
	AS85049/109
	AS85049/111
	AS85049/118
	AS85049/120
MIL-DTL-27599	AS85049/61
MIL-DTL-27599 SERIES 1	AS85049/36
	AS85049/46
	AS85049/45
	AS85049/6
	AS85049/7
	AS85049/9
	AS85049/8
	AS85049/10
	AS85049/11
	AS85049/23
	AS85049/24
	AS85049/25
	AS85049/26
	AS85049/31
	AS85049/43
	AS85049/51
	AS85049/52

CONNECTOR	BACKSHELL
MIL-DTL-27599 SERIES 1	AS85049/53
	AS85049/54
	AS85049/55
	AS85049/60
MIL-DTL-38999 (COMPOSITE) SERIES 3 AND 4 CONNECTORS	AS85049/91
	AS85049/92
	AS85049/103
	AS85049/104
	AS85049/105
MIL-DTL-38999 CONNECTORS	AS85049/80
	AS85049/81
MIL-DTL-38999 SERIES 1 AND 2	AS85049/17
	AS85049/27
	AS85049/29
	AS85049/30
	AS85049/32
	AS85049/33
	AS85049/37
	AS85049/47
	AS85049/49
	AS85049/36
	AS85049/46
	AS85049/45
	AS85049/56
	AS85049/57
	AS85049/58
	AS85049/62
	AS85049/63
	AS85049/64
	AS85049/65
	AS85049/77
	AS85049/85
	AS85049/86
	AS85049/87
	AS85049/112
	AS85049/114
	AS85049/121

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CONNECTOR	BACKSHELL
MIL-DTL-38999 SERIES 1 AND 2	AS85049/123
MIL-DTL-38999 SERIES 3 AND AS5590/1	AS85049/131
	AS85049/132
	AS85049/133
	AS85049/135
	AS85049/136
	AS85049/137
MIL-DTL-38999 SERIES 3 AND 4	AS85049/14
	AS85049/15
	AS85049/16
	AS85049/19
	AS85049/18
	AS85049/20
	AS85049/21
	AS85049/38
	AS85049/39
	AS85049/69
	AS85049/78
	AS85049/79
	AS85049/88
	AS85049/89
	AS85049/90
	AS85049/115
	AS85049/117
	AS85049/124
	AS85049/126
MIL-DTL-83723 SERIES 3	AS85049/82
	AS85049/83
	AS85049/84
	AS85049/109
	AS85049/111
	AS85049/118
	AS85049/120
MIL-DTL-83733 RECTANGULAR CONNECTORS	AS85049/28
	AS85049/44
	AS85049/48
	AS85049/50

CONNECTOR	BACKSHELL
FIBER OPTIC CONNECTORS AND SYSTEMS	AS85049/134
GENERAL USE	AS85049/93
	AS85049/94
	AS85049/95
	AS85049/96
	AS85049/130
	AS85049/138
	AS85049/139
	AS85049/140
	AS85049/141
	AS85049/142

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Banding Tools For EMI Shielding

ONE-STEP TOOLS

DMC's one-step banding tools are qualified to AS81306/1 specifications and designed to install stamped buckle bands. The tension-lock system gives the operator a positive indication when the precise tension has been applied. The cut-off handle easily cuts, folds, and locks the shield band in one step. All stamped bands shown are made of corrosion resistant steel and conform to SAE-AS85049.

DBS-2100*

.250 Banding Tool

MIL M81306/1A

QPL Approved

DMC P/N	DESCRIPTION	MILITARY P/N
DBS-128-3	.250 WIDE STAMPED BAND - FLAT	M85049/128-3
DBS-128-4	.250 WIDE STAMPED BAND - COILED	M85049/128-4
DBS-2102	.250 WIDE BAND ONE-STEP TOOL KIT**	M81306/1-01
DBS-CG7	VERIFICATION GAGE	M81306/1C

**Includes DBS-2100 and DBS-2100-32 tension adjustment key.*
***Includes DBS-2100, DBS-2100-32, and DBS-CG7.*
Bands are manufactured by companies listed on the M85049 QPL.

DBS-2200*

.125 Banding Tool

MIL M81306/1B

QPL Approved

DMC P/N	DESCRIPTION	MILITARY P/N
DBS-128-7	.125 WIDE STAMPED MINI-BAND - FLAT	M85049/128-7
DBS-128-8	.125 WIDE STAMPED MINI-BAND -COILED	M85049/128-8
DBS-2202	.125 WIDE MINI-BAND ONE-STEP TOOL KIT**	M81306/1-02
DBS-CG8	VERIFICATION GAGE	M81306/1D

**Includes DBS-2200 and DBS-2100-32 tension adjustment key.*
***Includes DBS-2200, DBS-2100-32, and DBS-CG8.*
Bands are manufactured by companies listed on the M85049 QPL.

ELECTRONIC CALIBRATION INSTRUMENT

The DBS-CG4D allows the operator to gauge the exact tension produced by the DBS-2200 and DBS-2100 banding tools. This instrument is calibrated by DMC and traceable to NIST.

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TWO-STEP TOOLS

DMC's manual two-step banding tools are qualified to AS81306/2 specifications and designed to install welded buckle bands. These tools tension and cut the band leaving an extended cut off tab. A roll-over tool is then used to fold the extended cut off tab 180° to prevent slippage. Pneumatic versions are also available which offer improved ergonomics and are ideal for high production environments.

DBS-1100*

.250 Banding Tool

MIL M81306/2-01A

QPL Approved

DMC P/N	DESCRIPTION	MILITARY P/N
DBS-128-1	.250 WIDE WELDED BAND - FLAT	M85049/128-1
DBS-128-2	.250 WIDE WELDED BAND - COILED	M85049/128-2
DBS-1102	.250 WIDE BAND TWO-STEP TOOL KIT**	N/A
DBS-CG2A	VERIFICATION GAGE	M81306/2-01E
PBT1100	.250 WIDE TWO-STEP PNEUMATIC TOOL	N/A

** Includes DBS-1100 and DBS-1100-32 tension adjustment key.*
***Includes DBS-1100, DBS-R03, DBS-1100-32, DBS-CG2, and G691.*
Bands are manufactured by companies listed on the M85049 QPL.

DBS-1200*

.125 Banding Tool

MIL M81306/2-02B

QPL Approved

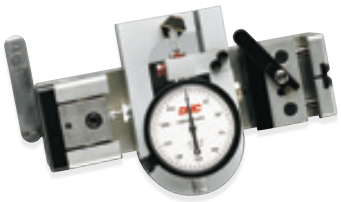
DMC P/N	DESCRIPTION	MILITARY P/N
DBS-128-5	.125 WIDE WELDED MINI-BAND - FLAT	M85049/128-5
DBS-128-6	.250 WIDE WELDED MINI-BAND - COILED	M85049/128-6
DBS-1202	.125 WIDE MINI-BAND TWO-STEP TOOL KIT**	N/A
DBS-CG3A	VERIFICATION GAGE	M81306/2-02F
PMBT1200	.125 WIDE TWO-STEP PNEUMATIC TOOL	N/A

**Includes DBS-1200 and DBS-1100-32 tension adjustment key.*
***Includes DBS-1200, DBS-R05, DBS-1100-32, DBS-CG3, and G752.*
Bands are manufactured by companies listed on the M85049 QPL.

VERIFICATION INSTRUMENTS

The **DBS-CG1** allows the operator to measure the exact tension produced by the tool. The DBS-CG1 can be used with the DBS-1200, DBS-1100, PBT1100, and PMBT1200 tools.

The **DBS-CG1-F** is a holding fixture designed to aid the calibration process by securing the DBS-CG1 and banding tool in place.



DBS-CG1

DBS-CG1-F

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BANDING TOOL ACCESSORIES				
DMC P/N	DESCRIPTION	ONE-STEP OR TWO-STEP	BAND WIDTH	MILITARY P/N
DBS-2100-32	TENSION ADJUSTMENT KEY	ONE-STEP	.125 AND .250	M81306/1E
DBS-2100-MB	REPLACEMENT MOVABLE BLADE	ONE-STEP	.250	N/A
DBS-2100-SB	REPLACEMENT STATIONARY BLADE	ONE-STEP	.250	N/A
DBS-2200-MB*	REPLACEMENT MOVABLE BLADE	ONE-STEP	.125	N/A
DBS-2200-SB	REPLACEMENT STATIONARY BLADE	ONE-STEP	.125	N/A
DBS-CG2	VERIFICATION GAGE FOR DBS-1100	TWO-STEP	.250	N/A
DBS-CG3	VERIFICATION GAGE FOR DBS-1200	TWO-STEP	.125	N/A
DBS-1100-7	REPLACEMENT BLADE	TWO-STEP	.125 AND .250	N/A
DBS-1100-32	TENSION ADJUSTMENT KEY	TWO-STEP	.125 AND .250	N/A
DBS-RO3	ROLL-OVER TOOL	TWO-STEP	.250	M81306/2-01C
DBS-RO5	ROLL-OVER TOOL	TWO-STEP	.125	M81306/2-02D
G691	GO/NO-GO GAGE FOR DBS-CG2	TWO-STEP	.250	N/A
G752	GO/NO-GO GAGE FOR DBS-CG3	TWO-STEP	.125	N/A

**Contact DMC for repairs. Not field replaceable.*

ADDITIONAL BANDING TOOL KITS				
DMC P/N	DESCRIPTION	ONE-STEP OR TWO-STEP	BAND WIDTH	MILITARY P/N
DMC2058A	INCLUDES DBS-2100, DBS-2200, DBS-2100-32, DBS-CG7, DBS-CG8, DBS-128-3 (10 QTY), DBS-128-7 (10 QTY)	ONE-STEP	.125 AND.250	N/A
DBS-1101	INCLUDES DBS-1100, DBS-RO3, DBS-1100-32	TWO-STEP	.250	M81306/2-01
DBS-1201	INCLUDES DBS-1200, DBS-RO5, DBS-1200-32	TWO-STEP	.125	M81306/2-02
DMC60A	INCLUDES DBS-1100, DBS-RO3, DBS-1100-32, DBS-BR1, DBS-CG2, G691, DBS-1100-7 (2 QTY), BANDS (100 QTY), SHEARS (2 QTY), HEX WRENCH (3 QTY), ADJUSTMENT WRENCH, TAPE, BRAIDED SHIELDING, SPLIT RINGS	TWO-STEP	.250	N/A
DMC1379	INCLUDES DBS-1100, DBS-RO3, DBS-1100-32, DBS-BR1, DBS-CG2, G691, BANDS (50 QTY)	TWO-STEP	.250	N/A

SPLIT RING FOR MID-CABLE SHIELD TERMINATIONS		
DMC P/N	DIAMETER	MILITARY P/N
4-1376	.500	M85049/93-08
4-1377	.750	M85049/93-12
4-1378	1.00	M85049/93-16
4-1379	1.50	M85049/93-24

Additional EMI shield band tool kits and split rings are available. Contact DMC for more information.

DMC2058A

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LaceLok Secondary Wire Harness Support

LaceLok® Cable Lacing Fasteners were designed to replace cable ties and hand-tied lacing tape for secondary support of wire harnesses. The LaceLok system is ergonomic and provides consistent support with unrivaled strength and superior performance. LaceLok is made of aerospace-grade materials and features a small, rounded fastener and meta-aramid fiber lace. This combination of materials provides superior resistance to fuel, chemicals, abrasion, and extreme operating temperatures. LaceLok can also be installed with a multi-wrap configuration to increase tensile strength and accommodate pressure sensitive components. Outgassed LaceLok is also available and meets the requirements for ASTM E595-15(2021) and NASA Technical Standard MSFC-SPEC-1443.

INDUSTRY CHANGING DESIGN

SAFER & MORE ERGONOMIC

- Reduces repetitive motion and abrasion injuries
- Reduces operator fatigue

MORE CONSISTENT

- Delivers consistent loop force that is controlled by the fastener, not the user
- Terminates consistently at 20 lbs (+/- 2 lbs) of applied tension

SUPERIOR PERFORMANCE

- Rated for operation in extreme temperatures -65°C to 260°C
- Hydraulic fluid, lubricating oil, and fuel resistant
- Made of abrasion resistant meta-aramid fiber lace
- 40% lighter than large cable ties

FASTER

- Installs up to 3 times faster than most hand-tied lace

QPL Approved

LaceLok shown alongside traditional methods of secondary wire harness support

QUALIFICATIONS

U.S. MILITARY

- MIL-DTL-32554
- MIL-DTL-32555
- NAVAIR 01-1A-505-1
- TO 1-1A-14
- TM 1-1500-323-24-1
- MIL-HDBK-522

SAE INTERNATIONAL

LaceLok (CLF) is approved for use as a secondary wiring support device for aerospace vehicles under **AS50881H.**

MATERIALS AND PACKAGING

MATERIALS

LaceLok is comprised of three components: the lacing tape, the fastener, and the thread. The lacing tape is constructed of the same material as typical hand-tied lace, meta-aramid fiber A-A-52084 Finish C. This material offers excellent heat and flame resistance, outstanding strength, and is non-conductive. Finish C lace features a synthetic rubber elastomer coating which improves its ability to maintain tension when locked and terminated in the fastener. The fastener is made of engineered thermoplastic PEEK (polyetheretherketone) material that offers a very high strength to weight ratio while maintaining resistance to heat, flame, and chemicals including JP-8 jet fuel, hydraulic fluids, lubricating oil, and isopropyl alcohol. The thread is manufactured to MIL-C-572 Type PAA Form Y.

PACKAGING

LaceLok is sold in packages of 100 and is available in multiple colors and lengths.

NA1 | NA2 | BLK | BLU | BRN | GRY | GRN | ORN | PNK | RED | VIO

DMC PART NUMBERING SYSTEM

LF2-XXCCC

LENGTH
06 = 6″ (15 cm)
10 = 10″ (25 cm)
18 = 18″ (45 cm)
24 = 24″ (61 cm)

COLOR
NA1 = Natural (White)
NA2 = Natural with Dark Tracer
BLK = Black
BLU = Blue
BRN = Brown
GRY = Gray
GRN = Green
ORN = Orange
PNK = Pink
RED = Red
VIO = Violet

MILITARY PART NUMBERING SYSTEM

M32554-XX-1-XXX

LENGTH
06 = 6″ (15 cm)
10 = 10″ (25 cm)
18 = 18″ (45 cm)
24 = 24″ (61 cm)

COLOR
NA1 = Natural (White)
NA2 = Natural with Dark Tracer
BLK = Black
BLU = Blue
BRN = Brown
GRY = Gray
GRN = Green
ORN = Orange
PNK = Pink
RED = Red
VIO = Violet

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LACELOK CABLE LACING FASTENERS

COLOR	LENGTH	DMC PART NUMBER	MILITARY PART NUMBER	NSN
NA1 (White)	6″	LF2-06NA1	M32554-06-1-NA1	5975-01-718-7002
	10″	LF2-10NA1	M32554-10-1-NA1	5975-01-718-6969
	18″	LF2-18NA1	M32554-18-1-NA1	5975-01-718-8486
	24″	LF2-24NA1	M32554-24-1-NA1	5975-01-718-6985
NA2 (White w/ Dark Tracer)	6″	LF2-06NA2	M32554-06-1-NA2	NSN Pending
	10″	LF2-10NA2	M32554-10-1-NA2	NSN Pending
	18″	LF2-18NA2	M32554-18-1-NA2	NSN Pending
	24″	LF2-24NA2	M32554-24-1-NA2	NSN Pending
Black	6″	LF2-06BLK	M32554-06-1-BLK	5975-01-718-6919
	10″	LF2-10BLK	M32554-10-1-BLK	5975-01-718-6973
	18″	LF2-18BLK	M32554-18-1-BLK	5975-01-718-6977
	24″	LF2-24BLK	M32554-24-1-BLK	5975-01-718-6996

Consult DMC for additional colors or use the part numbering system on the previous page. An outgassed version of LaceLok is also available. Order using the above DMC part # preceded with "S." Outgassed LaceLok is approved for commercial use and meets the requirements for ASTM E595-15(2021) and NASA Technical Standard MSFC-SPEC-1443.

DLT-1100
Installation Tool

QPL Approved

MIL M32555/01-01

DMC2300-10NA1

STARTER KIT

1	DLT-1100 Installation Tool
1	Replacement Blade
1	Guarded Cutters
100	LaceLok (10" White)

Contact DMC for additional kit options.

LACELOK ACCESSORIES

MG-1300
Guarded Cutter

DLT-1100-33
Cutting Blade Cover

DLT-1100-SA5
M32555/01-02
Cutting Blade

1-1025
Cutting Blade Cover Screw

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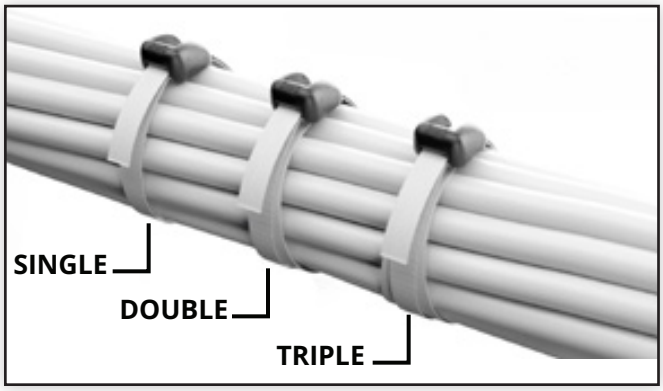
BUNDLES

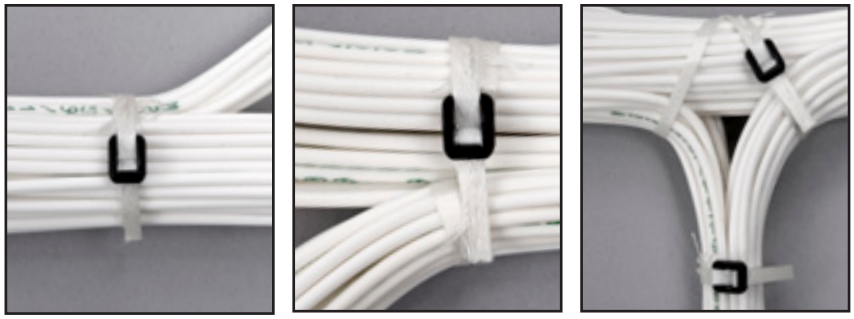
LaceLok is exceptionally strong with a single wrap; however, additional strength can be achieved by simply applying a second or third wrap around the wire harness prior to activation. Multiple wrap installations should be used where increased tensile strength or additional resistance to radial motion is needed. Double and triple wrap configurations are ideal for pressure sensitive components such as coaxial and fiber optic cables.



NUMBER OF WRAPS	APPLICATION	MINIMUM TENSILE STRENGTH
SINGLE	¼" TO 1" (.6 CM TO 2.5 CM) DIAMETER CABLE BUNDLES	55 LBS. (240 N)
DOUBLE	<¼" AND 1" TO 3" (< .6 CM AND 2.5 CM TO 7.5 CM) DIAMETER CABLE BUNDLES	110 LBS. (490 N)
TRIPLE	>3" (> 7.5 CM) DIAMETER CABLE BUNDLES OR EXPOSURE TO JP-8 JET FUEL	165 LBS. (730 N)

BREAKOUTS

LaceLok can be used to create breakouts in a similar application method as plastic cable ties or hand-tied lace. It is up to the responsible authority to determine the applicable method and application of LaceLok. The images provided illustrate typical breakout applications.



DMC TIPS

HOW TO INSTALL LACELOK

1. WRAP

Wrap the wire harness 1 to 3 times and feed the end of the lace through the fastener. Cinch tightly.

2. LOOP

Loop the end of the lace over the locking pin and back through the opening. Cinch tightly.

3. NEST

Side-load the lace into the capstan and ensure that the fastener is nested in the tool.

4. TERMINATE

Squeeze the tool trigger 2 to 3 times to seamlessly tighten, lock, and cut the excess lace.

SCAN FOR MORE LACELOK INFORMATION
qrco.de/lacelok

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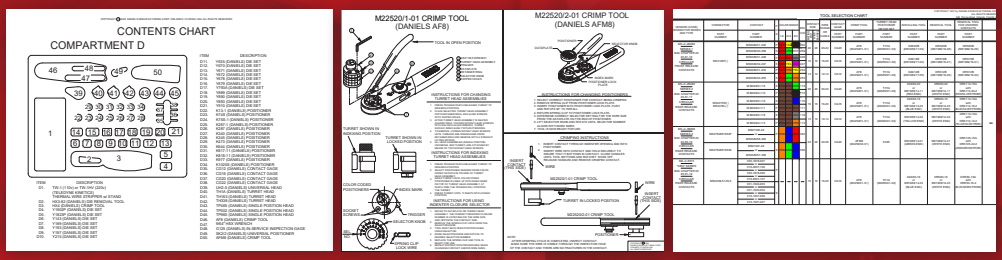
WIRING SYSTEM MAINTENANCE KITS

DMC has built electrical wiring interconnect system (EWIS) maintenance tool kits for over 50 years. Each kit is created with thorough research and contains high-quality tools that can strip wire, crimp contacts, terminals, and splices, and build or maintain wire harnesses. Our kits are available in multiple configurations including hand-carry kits, trolley cases, or roll-around cabinets. All kit types are lined with contrasting contoured foam to provide a unique layout for each tool and eliminate the risk of missing tools or FOD damage.

All wiring system maintenance kits come with detailed technical data packages that can include content charts, instruction sheets, and cross-reference tables. These materials ensure the correct identification and usage of each tool.

TECHNICAL DATA PACKAGE



Capabilities

Platform Specific Kits

DMC has ready-to-use wiring system maintenance tool kits to meet the unique requirements of various platforms. Each kit provides users with tooling and connector cross-reference information that is specific to the platform. Our EWIS kits are commonly used in the aerospace, defense, rail, and motorsport industries.

Connector Specific Kits

DMC provides customers the option of buying preconfigured tool kits that cover families such as the MIL-DTL-38999, MIL-DTL-26482, and SAE-AS50151. Each kit has the ability to service multiple connector series and their related contacts, terminals, and splices. These kits also offer easy-to-read tool selection charts and cross-reference tables.

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CUSTOM TOOL KIT SOLUTIONS

DMC also provides customers the option to create their own custom tool kits. These solutions are fully customizable from tooling choice, connector coverage, technical data packages, and layout. Customers can even request a combination kit to cover a variety of platforms. Below is the process involved when ordering a custom tool kit solution.

1 REQUEST A KIT

Request a custom kit on our website or contact our customer support team by phone or email. Provide essential details such as specific tool needs, connector lists, wiring manuals/drawings, and preferences.

REQUEST A KIT
qrco.de/RequestAKit

2 RESEARCH

Our experienced team of Technical Research Specialists will use their years of knowledge to ensure your kit contains a complete complement of tools and accessories to provide coverage for all serviceable connectors.

3 DESIGN

Once the tooling has been determined, our design team will configure your tool kit to provide safe storage and easy access to all components with contrasting custom-cut contoured foam.

4 QUOTATION

An estimate will be provided for customer approval. A preliminary design may be available.

5 ORDER

Production of your custom tool kit will begin once an order is placed. Related data packages are provided and certificates of conformance or calibration can be provided upon request.

6 SHIPMENT

Shipping details and tracking are emailed to your attention.

HAVE QUESTIONS ABOUT YOUR NEW TOOL KIT?
Contact your local representative for training support.
qrco.de/LocalRep

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SAFE-T-CABLE

Originally invented in 1989 by GE Aviation for use on commercial aircraft engines, Safe-T-Cable® quickly became recognized as a reliable, time-saving solution for fastener security. Today, Safe-T-Cable is widely used in aerospace, rail, marine, and energy industries.

In addition to installing 3 times faster than lockwire, Safe-T-Cable also produces a stronger and safer result. The user-friendly tooling guarantees a consistent installation each time. Unlike lockwire, Safe-T-Cable installations eliminate sharp edges, which greatly reduces the risk of injury. Safe-T-Cable also reduces repetitive motion injuries and Foreign Object Debris (FOD). The installation and inspection of Safe-T-Cable is simple, easy to train, and rework is essentially eliminated.

LEARN MORE ABOUT SAFE-T-CABLE
qrco.de/Safe-T-Cable

Standards and Classifications

Safe-T-Cable is included in many aircraft OEM standards and U.S. military technical manuals/orders including, but not limited to: TO-1-1A-8, TO-1-1A-14, TO-1-1A-15, TM 1-1500-204-23-6, TM 1-1500-323-24-1, and NAVAIR 01-1A-505-1.

NASM33540, formerly MIL-STD-33540, "Safety Wiring, Safety Cabling, Cotter Pinning, General Practices" documents the standard practice and is controlled by AIA. This document is referenced in many contracts, drawings, and process manuals. The standard is available at http://global.ihs.com/?RID=AIA.

- **AS567** Safety Cable, Safety Wire, Key Washers, and Cotter Pins for Production Systems/Use
- **AS3509** Cable, Safety, Kit, Nickel Alloy, UNS N06600
- **AS3510** Cable, Safety, Kit, Corrosion and Heat Resistant Steel, UNS S32100
- **AS3618** Cable, Safety, Ferrule, Elongated, Corrosion and Heat Resistant Steel, UNS S32100
- **AS3619** Cable, Safety, Ferrule, Elongated, Nickel Alloy, UNS N06600
- **AS3655** Cable, Safety, Kit, Corrosion Resistant Nickel Alloy, UNS N06625
- **AS4536** Cable, Safety, Kit, Procurement Specification for Requirements and Use

Many FAA approved 70-XX-XX standard documents are published and maintained by major engine, airframe, and component/subsystem manufacturers. The FAA approved manual on the specific aircraft/subsystem will advise the operator/maintainer if Safe-T-Cable is approved by the original equipment manufacturer (OEM).

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Safe-T-Cable is comprised of three components: the cable, the end fitting, and the ferrule. All three components are made of the same high-performance alloys typically used in aerospace fasteners. The strength and corrosion resistant properties of these alloys make Safe-T-Cable reliable and durable. DMC manufactures Safe-T-Cable in **321 Stainless Steel (AS3510), Inconel 600 (AS3509), and Inconel 625 (AS3655)** materials to withstand high temperature, non-magnetic applications, and corrosion.

Cable Assemblies

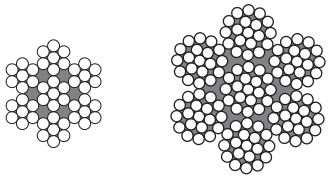
The cable assembly is made up of multiple strands of high tensile strength wire with a square-formed end fitting attached to one end. The other end of the cable is electromechanically fused to form an easy threading cable end.

1 x 7
.022″

3 x 7
.032″

Ferrules

Individual crimp ferrules are precisely manufactured to a size and hardness ensuring their compatibility with the cable assemblies and tools. Ferrules are conveniently stored in a disposable, spring-loaded cartridge for easy access.



7 x 7
.040″

7 x 19
.062″

Tool Types

DMC offers several Safe-T-Cable tool options including adjustable and pre-set cable tension varieties. Pre-set tools come with factory-set tension, while our adjustable tension tools allow operators to set the tool to their desired tension. Safe-T-Cable is offered in manual, battery, and pneumatic power types. Our manual and pneumatic tools are sold in pre-set and adjustable tension options to cover .022″, .032″, and .040″ cable. Battery-powered Safe-T-Cable tools are sold in adjustable tension options only and cover .022″, .032″, .040″, and .062″ cable. All battery tools boast new Bluetooth® features that allow the operator access to data such as the number of terminations, servicing information, and additional benefits. DMC also manufacturers SCTH625, a manual hydraulic tool suitable for crimping .062″ in field applications.

MANUAL

PNEUMATIC

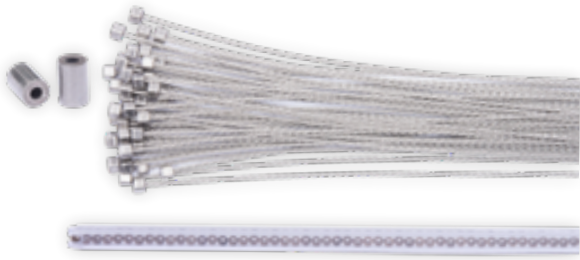
BATTERY

SCAN FOR BATTERY TOOL FEATURES
qrco.de/BatteryToolsApp

CABLE KITS

Kit packages consist of 50 cable assemblies and 50 ferrules. Packages of cables and ferrules can also be purchased separately. Contact DMC or visit our website for more information.

CABLE DIAMETER	LENGTH	321 CRES	INCONEL 600	INCONEL 625
.022″	12"	C10-112PKG	C09-112PKG	C08-112NPKG
	18"	C10-118PKG	C09-118PKG	C08-118NPKG
	21"	C10-121PKG	C09-121PKG	C08-121NPKG
	24"	C10-124PKG	C09-124PKG	C08-124NPKG
.032″	12"	C10-212PKG	C09-212PKG	C08-212NPKG
	18"	C10-218PKG	C09-218PKG	C08-218NPKG
	21"	C10-221PKG	C09-221PKG	C08-221NPKG
	24"	C10-224PKG	C09-224PKG	C08-224NPKG
.040″	12"	C10-312PKG	C09-312PKG	C08-312NPKG
	18"	C10-318PKG	C09-318PKG	C08-318NPKG
	21"	C10-321PKG	C09-321PKG	C08-321NPKG
	24"	C10-324PKG	C09-324PKG	C08-324NPKG
.062″	18"	C10-918PKG	C09-918PKG	N/A
	24"	C10-924PKG	C09-924PKG	N/A



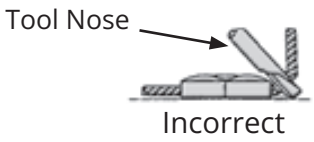
When considering the cable length, be sure to add the extra cable required to engage the tension mechanism in the application tool. Add 8″ for a tool with a 3″ nose, and 12″ for a tool with a 7″ nose.

ELONGATED FERRULES

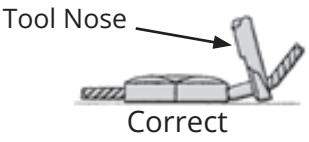
Elongated ferrules are an excellent choice for low-profile fasteners or hard to reach areas. These ferrules are sold in metal cartridges of 50.

CABLE DIAMETER	321 CRES	INCONEL 600	INCONEL 625
.022″	F10-08PKG	F09-08PKG	F08-08NPKG
.032″	F10-04PKG	F09-04PKG	F08-04NPKG
.040″	F10-07PKG	F09-07PKG	F08-07NPKG
.062″	F10-10PKG	F09-10PKG	N/A

Standard Ferrule



Elongated Ferrule



DMC PART NUMBERING SYSTEM

C10-218 XX

COMPONENTS
C = KIT (CABLE ASSEMBLY & FERRULE)
A = ASSEMBLIES (CABLE ONLY)
F = FERRULES ONLY

MATERIAL
08= INCONEL 625
09 = INCONEL 600
10 = 321 CRES

CABLE DIAMETER
1 = .022″ / .026″
2 = .032″ / .038″
3 = .040″ / .046″
9 = .062″ / .072″

LENGTH
09 = 9"
12 = 12"
15 = 15"
18 = 18"
21 = 21"
24 = 24"

CONFIGURATION
BLANK = STANDARD
XX = SPECIAL
PKG = 50 PIECES

SAE PART NUMBERING SYSTEM

AS3510-02 18K

MATERIAL
AS3509 = INCONEL 600
AS3510 = 321 CRES
AS3511 = 304 CRES (CONSULT DMC)
AS3655 = INCONEL 625

CABLE DIAMETER
01 = .022″ / .026″
02 = .032″ / .038″
03 = .040″ / .046″
04 = .062″ / .072″

LENGTH
09 = 9"
12 = 12"
15 = 15"
18 = 18"
21 = 21"
24 = 24"

CONFIGURATION
K = KIT (CABLE ASSEMBLY & FERRULE)
C = CABLE ASSEMBLY (CABLE ONLY)
F = FERRULE (FERRULE ONLY)

CABLE DIAMETER	NOSE LENGTH	MANUAL		PNEUMATIC		BATTERY
		PRE-SET	ADJUSTABLE	PRE-SET	ADJUSTABLE	ADJUSTABLE
.022"	3"	SCT203	SCTR203	SCTP203	SCTPRM203	SCTE203C
	5"	SCT205	SCTR205	SCTP205	SCTPRM205	SCTE205C
	7"	SCT207	SCTR207	SCTP207	SCTPRM207	SCTE207C
	9"	SCT209	SCTR209	SCTP209	SCTPRM209	SCTE209C
.032"	3"	SCT323	SCTR323	SCTP323	SCTPRM323	SCTE323C
	5"	SCT325	SCTR325	SCTP325	SCTPRM325	SCTE325C
	7"	SCT327	SCTR327	SCTP327	SCTPRM327	SCTE327C
	9"	SCT329	SCTR329	SCTP329	SCTPRM329	SCTE329C
.040"	3"	SCT403	SCTR403	SCTP403	SCTPRM403	SCTE403C
	5"	SCT405	SCTR405	SCTP405	SCTPRM405	SCTE405C
	7"	SCT407	SCTR407	SCTP407	SCTPRM407	SCTE407C
	9"	SCT409	SCTR409	SCTP409	SCTPRM409	SCTE409C
.062"	5"	N/A	SCTH625	N/A	N/A	SCTE625C
	7"	N/A	SCTH627	N/A	N/A	SCTE627C
	9"	N/A	SCTH629	N/A	N/A	SCTE629C

NOSES

Safe-T-Cable noses rotate 360° and are available in 1", 3", 5", 7", and 9" lengths. Low-profile noses are available for applications where the clearance between the fastener head and the surface to which the fastener is attached is limited.

CABLE DIAMETER	NOSE STYLE	3"	5"	7"	9"
.022"	Standard	SCTN20-3	SCTN20-5	SCTN20-7	SCTN20-9
.032"	Standard	SCTN32-3	SCTN32-5	SCTN32-7	SCTN32-9
	Low-Profile	SCTN32-3L	SCTN32-5L	SCTN32-7L	SCTN32-9L
.040"	Standard	SCTN40-3	SCTN40-5	SCTN40-7	SCTN40-9
	Low-Profile	SCTN40-3L	SCTN40-5L	SCTN40-7L	SCTN40-9L
.062"	Standard	SCTHN62-3	SCTHN62-5	SCTHN62-7	SCTHN62-9

Low-Profile Nose

Standard Nose

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SAFE-T-CABLE TOOL KITS

A variety of Safe-T-Cable tool kits are available including multi-tool configurations with and without verification equipment. Several popular tool kit options are listed below. More kits can be found on our website. Please contact DMC for a complete list of kit contents.

SINGLE TOOL KITS

Tool/Cable Diameter	.022"	.032"	.040"
Tool Kit P/N	DMC1001-7R	DMC1000-4R	DMC1000-11R
NSN	5180-01-661-4208	5180-01-586-3020	5120-01-449-2669

MULTI-TOOL KITS

Tool/Cable Diameter	.022“ & .032“	.032“ & .040“	.022“, .032“ & .040“
Tool Kit P/N	DMC1000-20R	DMC1000-19R	DMC1007-28R
NSN	5180-01-550-2331	N/A	5180-01-689-0253

MILITARY TOOL KITS

Tool/Cable Diameter	.032“	.062“
Tool Kit P/N	DMC1000-32NAV	DMC1000-62NAV
NSN	5180-01-498-1237	5180-01-498-1507

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VERIFICATION EQUIPMENT

Perform periodic testing and verification of Safe-T-Cable tools

Torque Verification Blocks

SCT-TB1 .022", .032", and .040" Safe-T-Cable
SCT-TB2 .062" Safe-T-Cable
SCT-TB1R .022", .032", and .040" Safe-T-Cable configured for right-hand reading torque wrenches

Torque Wrenches

SCTD0001 .022", .032", and .040"
SCTD011 .062"

SCTD013 Push Force Tester

The SCTD013 is used to apply 2 lb of force to Safe-T-Cable installations when verifying cable tension on torque verification blocks.

MPT-250C-SC Motorized Pull Tester CE

The MPT-250C tester fitted with the 15-3318 grip set is used for tensile testing .022", .032", and .040" Safe-T-Cable. It can also capture and export data from tool indenter setting tests.

MINIMUM PULL-OFF LOAD

SAFE-T-CABLE DIAMETER	LBF (N)
.022"	30 (133.4)
.032"	70 (311.4)
.040"	110 (489.3)
.062"	280 (1245.4)

MAXIMUM FLEX LIMITS

A	B	C
0.5" (12.7 mm)	0.125" (3.18 mm)	0.062" (1.59 mm)
1.0" (25.4 mm)	0.250" (6.35 mm)	0.125" (3.18 mm)
2.0" (50.8 mm)	0.375" (9.52 mm)	0.188" (4.76 mm)
3.0" (76.2 mm)	0.375" (9.52 mm)	0.188" (4.76 mm)
4.0" (101.6 mm)	0.500" (12.70 mm)	0.250" (6.35 mm)
5.0" (127.0 mm)	0.500" (12.70 mm)	0.250" (6.35 mm)
6.0" (152.4 mm)	0.625" (15.88 mm)	0.312" (7.94 mm)

Apply 2 lb of pressure to mid-span when inspecting flex limits.

SCAN FOR MORE INSTALLATION INFORMATION
qrco.de/BestPractices

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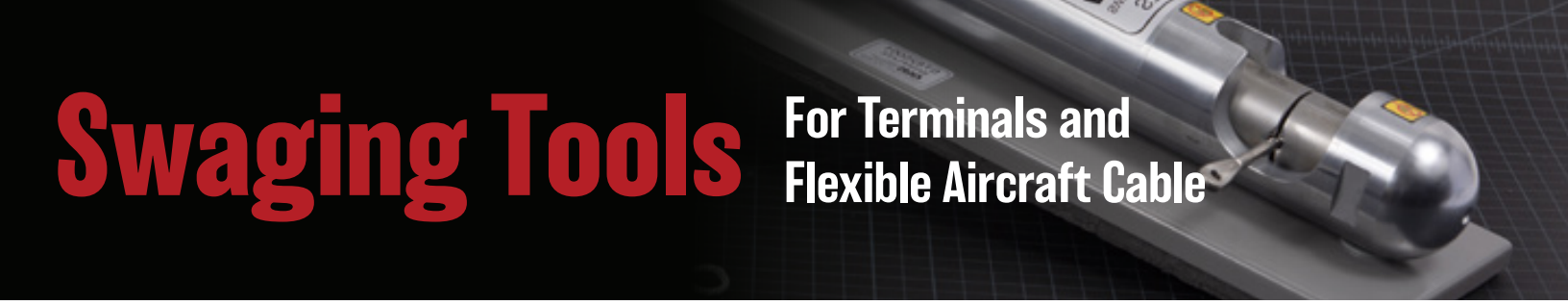
Swaging Tools

For Terminals and Flexible Aircraft Cable



DMC's swaging tool creates a secure connection between a cable and terminal. Our tooling is compatible with MIL-W-83420, MIL-W-87161, and other specified wires within a specific diameter. We offer a set of American-made interchangeable dies that are composed of S-5 and A-2 steel and ideal for repeated use. These pressure-resistant dies guarantee a reliable connection between components. All dies come with inscriptions detailing the type and size of item to be swaged or cut. All die sets are sold separately.

ST825

Length	20″
Width	5″
Height	3.4″
Weight	19 lbs

Requires input air of 90 psi. Includes a cylinder and yoke assembly, air hose assembly, foot control assembly with lubricator, and air filter.

Cables Between 1/16" to 1/4" Diameter

Pneumatic

FEATURES

- Designed to swage ball end and sleeve-type terminals
- Offers extended durability due to its heat-treated and hardened steel structure
- Adaptable to bench use when mounted on the ST825001 cushioned baseplate

SWAGING KIT

DMC99

GSA-FSS: *GGG-S-00825A*
NSN: *5130-00-712-4855*

1	ST825 Tool and Accessories
1	Baseplate
1	Gage Set
39	Dies (shown on the following page)

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ST825 GAGE AND DIES				
DMC PART NO.	TERMI-NAL REF. (MIL.#)	DESCRIPTION	CABLE DIA.	CROSS-REF. ATI P/N
ST825	N/A	SWAGING TOOL	N/A	N/A
G689	N/A	GAGE SET	N/A	AT5205G
ST825003-1	N/A	SPACER	N/A	AT520SP-1
ST825SDB-2	MS20663-2	DOUBLE SHANK BALL END TERMINAL SWAGING DIE SET	1/16"	AT520CDB-2
ST825SDB-3	MS20663-3	DOUBLE SHANK BALL END TERMINAL SWAGING DIE SET	3/32"	AT520CDB-3
ST825SDB-4	MS20663-4	DOUBLE SHANK BALL END TERMINAL SWAGING DIE SET	1/8"	AT520CDB-4
ST825SDB-5	MS20663-5	DOUBLE SHANK BALL END TERMINAL SWAGING DIE SET	5/32"	AT520CDB-5
ST825SDB-6	MS20663-6	DOUBLE SHANK BALL END TERMINAL SWAGING DIE SET	3/16"	AT520CDB-6
ST825SSB-2	MS20664-2	SINGLE SHANK BALL END TERMINAL SWAGING DIE SET	1/16"	AT520CSB-2
ST825SSB-3	MS20664-3	SINGLE SHANK BALL END TERMINAL SWAGING DIE SET	3/32"	AT520CSB-3
ST825SSB-4	MS20664-4	SINGLE SHANK BALL END TERMINAL SWAGING DIE SET	1/8"	AT520CSB-4
ST825SSB-5	MS20664-5	SINGLE SHANK BALL END TERMINAL SWAGING DIE SET	5/32"	AT520CSB-5
ST825SSB-6	MS20664-6	SINGLE SHANK BALL END TERMINAL SWAGING DIE SET	3/16"	AT520CSB-6
ST825SB-2	BA3-2	PLAIN BALL END SWAGING DIE	1/16"	AT520CB-2
ST825SB-3	BA3-3	PLAIN BALL END SWAGING DIE	3/32"	AT520CB-3
ST825SB-4	BA3-4	PLAIN BALL END SWAGING DIE	3/32"	AT520CB-4
ST825SL-2	*-2	SLEEVE TYPE TERMINALS SWAGING DIE	1/16"	AT520CS-2
ST825SL-3	*-3	SLEEVE TYPE TERMINALS SWAGING DIE	3/32"	AT520CS-3
ST825SL-4	*-4	SLEEVE TYPE TERMINALS SWAGING DIE	1/8"	AT520CS-4
ST825SL-5	*-5	SLEEVE TYPE TERMINALS SWAGING DIE	5/32"	AT520CS-5
ST825SL-6	*-6	SLEEVE TYPE TERMINALS SWAGING DIE	3/16"	AT520CS-6
ST825SL-7	*-7†	SLEEVE TYPE TERMINALS SWAGING DIE	7/32"	AT520CS-7
ST825SL-8	*-8	SLEEVE TYPE TERMINALS SWAGING DIE	1/4"	AT520CS-8
ST825CD-2-1	N/A	CUTTING DIE	1/16"	AT520CD-2
ST825CD-2-2	N/A	CUTTING PUNCH	1/16"	AT520CP-2
ST825CD-3-1	N/A	CUTTING DIE	3/32"	AT520CD-3
ST825CD-3-2	N/A	CUTTING PUNCH	3/32"	AT520CP-3
ST825CD-4-1	N/A	CUTTING DIE	1/8"	AT520CD-4
ST825CD-4-2	N/A	CUTTING PUNCH	1/8"	AT520CP-4
ST825CD-5-1	N/A	CUTTING DIE	5/32"	AT520CD -5
ST825CD-5-2	N/A	CUTTING PUNCH	5/32"	AT520CP-5
ST825CD-6-1	N/A	CUTTING DIE	3/16"	AT520CD-6
ST825CD-6-2	N/A	CUTTING PUNCH	3/16"	AT520CP-6
ST825CD-7-1	N/A	CUTTING DIE	7/32"	AT520CD-7
ST825CD-7-2	N/A	CUTTING PUNCH	7/32"	AT520CP-7
ST825CD-8-1	N/A	CUTTING DIE	1/4"	AT520CD-8
ST825CD-8-2	N/A	CUTTING PUNCH	1/4"	AT520CP-8

TYPICAL SWAGING APPLICATIONS

Cutting Die

Cutting Punch

Swaging Dies

**MS20658, MS20667, MS21260, MS21259*
†Uses the ST825SL-6 die set for MS20658-7 terminal

Total Support

CUSTOM TOOLS

We offer precisely engineered custom tooling solutions to maintain high-reliability electrical systems. Our team will partner with you to understand your needs and develop tooling that is both effective and reliable.

SUBMIT YOUR REQUEST
qrco.de/CustomTools

Our team prides itself on providing custom solutions beyond our extensive portfolio to ensure our customers' success.

Erik Francoforte
Vice President

SUPPORT

Our strategically placed team and extended network of authorized distributors have extensive knowledge of DMC products. Complimentary resources available to you include:

- On-site Tooling Support
- Hands-On Training
- Video Tutorials
- Data Sheets and Instruction Manuals
- Online Tool Selection Search to identify compatible tooling

DMC ACCOUNT EXECUTIVES
qrco.de/LocalRep

INTERNATIONAL SUPPORT
qrco.de/global_exec

TOOL SELECTION SEARCH
qrco.de/ToolSearch

DOCUMENT LIBRARY
qrco.de/DocumentLibrary

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Calibration and Repair

DMC recognizes the criticality of the functionality of your tools. To meet the needs of the high-reliability industries we serve, we offer calibration and repair services for many of our tools, equipment, and tool kits. Our quality systems adhere to the standards of ISO9001:2015/ AS9100:2016 REV D, while our metrology system is maintained in accordance with ANSI/NCSL Z540.3-2006 and ISO 10012, utilizing test equipment and materials traceable to N.I.S.T.

PART NUMBER	DESCRIPTION
AF, AFM, MH, M, GS, LH8	8-INDENT MANUAL CRIMP TOOL
WA22, WA27	8-INDENT PNEUMATIC CRIMP TOOL
WA23 ONLY	8-INDENT HEAVY DUTY PNEUMATIC CRIMP TOOL
HX3, HX4, UDT3, UDT4	OPEN FRAME MANUAL FORM CRIMP TOOL
HX23, HX33	OPEN FRAME PNEUMATIC CRIMP TOOL
GMT	OPEN FRAME MANUAL FORM CRIMP TOOL
PMT	OPEN FRAME PNEUMATIC CRIMP TOOL
DBS	MANUAL BANDING TOOLS
PBT/PMBT	PNEUMATIC BANDING TOOL
HD36, HD51, HD120	HYDRAULIC CRIMP TOOL
AFE8, HXE4, HDE36, HDE51, HDE120 (ALL SERIES*)	BATTERY CRIMP TOOL
EMC3300	ELECTROMECHANICAL CRIMP TOOL
SCT/SCTR	SAFE-T-CABLE® TOOL
SCT/SCTR	SAFE-T-CABLE® TOOL W/NOSE REPLACEMENT
SCTP/SCTPR/SCTPRM	PNEUMATIC SAFE-T-CABLE® TOOL
SCTP/SCTPR/SCTPRM	PNEUMATIC SAFE-T-CABLE® TOOL W/ NOSE REPLACEMENT
SCTE/SCTH	HYDRAULIC SAFE-T-CABLE® TOOL
SCTE/SCTH	HYDRAULIC SAFE-T-CABLE® TOOL W/ NOSE REPLACEMENT
PT, HPT, MPT, RTCG, DBS-CG4D	TENSILE & RETENTION TESTER
DBS-CG1, TST	CALIBRATION FIXTURE KIT
DBS-CG2, -CG3, -CG7, -CG8	CALIBRATION FIXTURE KIT
TSK	TWIST-STRIP® TOOL
WSP	PNEUMATIC WIRE STRIPPER
ST825	SWAGING TOOL
BT-ST-701	TORQUE METER
HPU	HYDRAULIC PUMP
PA9	PUMP
DLT	LACELOK® INSTALLATION TOOL

*DMC will provide repair and calibration services for all battery tool generations. Please contact us to inquire about the calibration or repair of tools not listed above.

Our network of Authorized Repair Centers (DMC ARC®) are strategically positioned worldwide to ensure our international customers receive the same exceptional level of support as our domestic customers. With in-depth knowledge of DMC products and rigorous training, our ARCs are equipped to deliver precise calibration and repair services. Visit our website for an ARC in your area.

SCAN FOR CURRENT PRICING AND CALIBRATION AND REPAIR FORMS
qrco.de/Calibrate

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WIRE TECHNICAL DATA

AWG to Metric

WIRE (AWG)	STRANDING	APPROX. O.D.		CIRCULAR MIL AREA	SQUARE		BARE COPPER D.C. RESISTANCE		TINNED COPPER D.C. RESISTANCE	
		INCHES	MM		INCHES	MM	OHMS/ 1000 F.T.	OHMS/ KM	OHMS/ 1000 F.T.	OHMS/ KM
36	Solid	0.005	0.127	25.0	0.00002	0.013	415	1361	445	1461
36	7/44	0.006	0.152	28.0	0.00002	0.014	378	1239	406	1330
34	Solid	0.006	0.160	39.7	0.00003	0.020	261	857	280	920
34	7/42	0.008	0.191	43.8	0.00003	0.022	242	793	260	851
32	Solid	0.008	0.203	64.0	0.00005	0.032	162	532	174	571
32	7/40	0.009	0.236	67.3	0.00005	0.034	157	516	169	554
32	19/44	0.010	0.254	76.0	0.00006	0.039	139	457	149	490
30	Solid	0.010	0.254	100	0.00008	0.051	104	340	111	365
30	7/38	0.012	0.305	112	0.00009	0.057	94.5	310	101	333
30	19/42	0.013	0.318	119	0.00009	0.060	89.1	292	95.6	314
28	Solid	0.013	0.320	159	0.00012	0.080	65.3	214	69.4	228
28	7/36	0.015	0.381	175	0.00014	0.089	60.4	198	64.9	213
28	19/40	0.016	0.394	183	0.00014	0.093	57.9	190	62.2	204
27	7/35	0.017	0.427	220	0.00017	0.111	48.2	158	51.7	170
26	Solid	0.016	0.404	253	0.00020	0.128	41.0	135	43.6	143
26	10/36	0.020	0.508	250	0.00020	0.127	42.3	139	45.4	149
26	19/38	0.020	0.508	304	0.00024	0.154	34.8	114	37.4	123
26	7/34	0.019	0.480	278	0.00022	0.141	38.1	125	40.9	134
24	Solid	0.020	0.511	404	0.00032	0.205	25.7	84.2	26.7	87.6
24	7/32	0.024	0.610	448	0.00035	0.227	23.6	77.4	25.3	83.1
24	10/34	0.025	0.640	397	0.00031	0.201	26.7	87.4	28.6	93.8
24	19/36	0.025	0.635	475	0.00037	0.241	22.3	73.0	23.9	78.4
24	41/40	0.023	0.583	394	0.00031	0.200	26.8	88.1	28.8	94.5
22	Solid	0.025	0.643	640	0.00050	0.324	16.2	53.1	16.8	55.3
22	7/30	0.030	0.762	700	0.00055	0.355	15.1	49.6	16.2	53.2
22	19/34	0.032	0.800	754	0.00059	0.382	14.0	46.0	15.1	49.4
22	26/36	0.029	0.737	650	0.00051	0.329	16.3	53.4	17.5	57.3
20	Solid	0.032	0.813	1024	0.00080	0.519	10.1	33.2	10.5	34.5
20	7/28	0.038	0.960	1111	0.00087	0.563	9.52	31.2	10.1	33.2
20	10/30	0.040	1.016	1000	0.00079	0.507	10.6	34.7	11.4	37.2
20	19/32	0.040	1.016	1216	0.0010	0.616	8.70	28.5	9.34	30.6
20	26/34	0.037	0.928	1032	0.0008	0.523	10.3	33.6	11.0	36.1
20	41/36	0.037	0.940	1025	0.0008	0.519	10.3	33.9	11.1	36.3
18	Solid	0.040	1.02	1624	0.0013	0.823	6.39	20.9	6.64	21.8
18	7/26	0.048	1.21	1770	0.0014	0.897	5.98	19.6	6.35	20.8
18	16/30	0.047	1.19	1600	0.0013	0.811	6.61	21.7	7.10	23.3
18	19/30	0.050	1.27	1900	0.0015	0.963	5.57	18.3	5.98	19.6
18	41/34	0.047	1.18	1627	0.0013	0.825	6.50	21.3	6.98	22.9
18	65/36	0.048	1.21	1625	0.0013	0.823	6.51	21.4	6.99	22.9
16	Solid	0.051	1.29	2581	0.0020	1.31	4.02	13.2	4.18	13.7

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WIRE (AWG)	STRANDING	APPROX. O.D.		CIRCULAR MIL AREA	SQUARE		BARE COPPER D.C. RESISTANCE		TINNED COPPER D.C. RESISTANCE	
		INCHES	MM		INCHES	MM	OHMS/ 1000 F.T.	OHMS/ KM	OHMS/ 1000 F.T.	OHMS/ KM
16	7/24	0.060	1.53	2828	0.0022	1.43	3.74	12.3	3.89	12.8
16	65/34	0.060	1.52	2580	0.0020	1.31	4.10	13.4	4.40	14.4
16	26/30	0.058	1.47	2600	0.0020	1.32	4.07	13.3	4.37	14.3
16	19/29	0.057	1.44	2426	0.0019	1.23	4.36	14.3	4.63	15.2
16	105/36	0.058	1.47	2625	0.0021	1.33	4.03	13.2	4.33	14.2
14	Solid	0.064	1.63	4109	0.0032	2.08	2.52	8.28	2.63	8.61
14	7/22	0.076	1.93	4481	0.0035	2.27	2.36	7.74	2.46	8.05
14	19/27	0.071	1.80	3831	0.0030	1.94	2.76	9.06	2.93	9.6
14	41/30	0.074	1.88	4100	0.0032	2.08	2.58	8.46	2.77	9.08
14	105/34	0.073	1.86	4167	0.0033	2.11	2.54	8.33	2.72	8.94
12	Solid	0.081	2.05	6529	0.0051	3.31	1.59	5.21	1.65	5.42
12	7/20	0.096	2.44	7168	0.0056	3.63	1.48	4.84	1.53	5.03
12	19/25	0.090	2.27	6088	0.0048	3.08	1.74	5.70	1.85	6.05
12	65/30	0.095	2.41	6500	0.0051	3.29	1.63	5.34	1.75	5.73
12	165/34	0.095	2.42	6549	0.0051	3.32	1.65	5.40	1.77	5.80
10	Solid	0.102	2.59	10384	0.0082	5.26	0.999	3.28	1.04	3.41
10	37/26	0.111	2.83	9354	0.0073	4.74	1.13	3.71	1.20	3.94
10	49/27	0.116	2.96	9880	0.0078	5.01	1.07	3.51	1.14	3.73
10	105/30	0.116	2.95	10500	0.0082	5.32	1.01	3.30	1.08	3.55
8	49/25	0.147	3.73	15700	0.0123	7.96	0.674	2.21	0.72	2.35
8	133/29	0.166	4.22	16983	0.0133	8.61	0.635	2.08	0.67	2.21
8	655/36	0.166	4.22	16375	0.0129	8.30	0.665	2.18	0.71	2.34
6	133/27	0.209	5.30	26818	0.0211	13.6	0.402	1.32	0.427	1.40
6	259/30	0.210	5.33	25900	0.0203	13.1	0.416	1.37	0.447	1.47
6	1050/36	0.204	5.18	26250	0.0206	13.3	0.415	1.36	0.445	1.46
4	133/25	0.263	6.68	42615	0.0335	21.6	0.253	0.830	0.269	0.882
4	259/28	0.265	6.72	41119	0.0323	20.8	0.262	0.860	0.279	0.914
4	1666/36	0.290	7.37	41650	0.0327	21.1	0.261	0.858	0.281	0.921
2	133/23	0.332	8.44	67931	0.0534	34.4	0.159	0.521	0.165	0.542
2	259/26	0.334	8.48	65478	0.0514	33.2	0.165	0.540	0.175	0.574
2	665/30	0.335	8.51	66500	0.0522	33.7	0.164	0.537	0.176	0.577
2	2646/36	0.298	7.56	66150	0.0520	33.5	0.166	0.545	0.178	0.585
1	133/22	0.372	9.45	85132	0.0669	43.1	0.127	0.416	0.132	0.432
1	259/25	0.376	9.55	82986	0.0652	42.1	0.130	0.426	0.138	0.453
1	836/30	0.377	9.58	83600	0.0657	42.4	0.130	0.427	0.140	0.459
1	2107/34	0.375	9.52	83627	0.0657	42.4	0.131	0.431	0.141	0.463
1/0	133/21	0.419	10.6	108029	0.0849	54.7	0.100	0.327	0.104	0.341
1/0	259/24	0.422	10.7	104639	0.0822	53.0	0.103	0.338	0.107	0.352
2/0	133/20	0.470	11.9	136192	0.1070	69.0	0.079	0.260	0.082	0.270
2/0	259/23	0.475	12.1	132287	0.1039	67.0	0.082	0.267	0.085	0.278
3/0	259/22	0.531	13.5	165783	0.1302	84.0	0.065	0.213	0.068	0.222
3/0	427/24	0.539	13.7	172512	0.1355	87.4	0.063	0.207	0.066	0.215
4/0	259/21	0.599	15.2	210373	0.1652	107	0.051	0.168	0.053	0.175
4/0	427/23	0.606	15.4	218095	0.1713	111	0.050	0.164	0.052	0.170

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