



TRUSTED TOOLS FOR

RAIL

TOOLING FOR RAIL

Daniels Manufacturing Corporation® (DMC®) delivers cutting-edge tooling technology to meet the rigorous demands of mission-critical electrical systems. Since 1949, we have equipped the rail industry with a comprehensive range of tools designed for stripping, crimping, banding, connector assembly, and cable management.

DMC is backed by certifications and approvals from major industry organizations and is an AS9100D and ISO9001:2015 registered company. Our tools produce results that withstand the harshest environmental conditions to ensure continuous and reliable rail operations.



COMMON APPLICATIONS

DMC has the tools you need for power distribution, signaling, and sensors in rail environments.



**Signaling and
Control Systems**



Locomotive



Rail Cars



Electric/High-Speed Rail

INDENT CRIMP TOOLS

DMC's indent crimp tools are ideal for crimping miniature and subminiature pin and socket contacts. These tools are available in manual and pneumatic options. The high versatility and range of these tools facilitate the crimping process for harness shop teams and design engineers.

	AF8®	MH860®	AFM8®
AWG	26 - 12	28-16	32 - 20
MILITARY P/N	M22520/1-01	M22520/7-01	M22520/2-01
POSITIONER TYPE	TH or TP	86	K
DIMENSIONS	9.8" L x 2.5" W x 1.1" H	7.5" L x 2.4" W x .8" H	7.5" L x 2.4" W x .8" H
PNEUMATIC EQUIV.	WA27F	WA22P	WA22

	FT8	M309
AWG	26-12	18-8
MILITARY P/N	N/A	N/A
POSITIONER TYPE	TH or TP	TH or TP
DIMENSIONS	9.8" L x 2.5" W x 1.1" H	9.8" L x 2.6" W x 1" H
PNEUMATIC EQUIV.	WA27E	WA27-309



LARGE GAUGE CRIMP TOOLS

23 SERIES

The 23 series tools are designed to produce an 8 indent crimp on large gauge machined contacts and uninsulated terminals/lugs. These tools accept interchangeable AS22520/23 dies and locaters to accommodate heavy duty and high voltage cables from 8-4/0 AWG.

	HDE23C	WA23B	HD23
MILITARY P/N	N/A	M22520/23-01	M22520/48-01
POWER TYPE	Battery	Pneumatic	Manual Hydraulic
DIMENSIONS	17.9" L x 4" W x 13.3" H	17" L x 3.7" W x 10" H	23" L x 4" W x 5.8" H
WEIGHT	13.3 lbs.	16.3 lbs.	13.8 lbs.



136 SERIES

The 136 series tools are dieless crimp tools that are suitable for crimping large gauge terminals and splices from 8 AWG to 750 MCM.

	HCE136C	XHC136	HC136
POWER TYPE	Battery	Remote Hydraulic	Manual Hydraulic
DIMENSIONS	15.5" L x 3" W x 13.5" H	13.3" L x 2.5" W x 5.4" H	21" L x 2.3" W x 5.4" H
WEIGHT	11.6 lbs.	8.5 lbs	13 lbs.



FORM CRIMP TOOLS


These form crimp tools utilize interchangeable dies to produce hexagonal, circular, square, nest and indent, b crimp, and captive crimps on stamped and formed contacts, insulated/uninsulated terminals, shield crimps, and splices.

SMALL FRAME



26 to 10 AWG

	HX4®	HXE4C	EMC3300
MILITARY P/N	M22520/5-01	N/A	N/A
POWER TYPE	Manual	Battery	Electromechanical
DIE TYPE	Y Dies	Y Dies	EMC Dies
DIMENSIONS	11" L x 2" W x 0.9" H	4.5" L x 2.9" W x 15.7" H	9.9" L x 2.5" W x 3.6" H




36 SERIES



8 to 0 AWG

	HDE36C	HD36
POWER TYPE	Battery	Manual Hydraulic
DIE TYPE	HD36 Dies	HD36 Dies
DIMENSIONS	14.4" L x 4.4" W x 2.9" H	8.5" L x 2.3" W x 7" H




51 SERIES



8 to 2/0 AWG

	HDE51C	XHD51	HD51
MILITARY P/N	M5259/8-01*	M5259/4-01*	M5259/5-01*
POWER TYPE	Battery	Remote Hydraulic	Manual Hydraulic
DIE TYPE	HD51 Dies	HD51 Dies	HD51 Dies
DIMENSIONS	15.4" L x 2.9" W x 4.6" H	9" L x 2" W x 2.8" H	14" L x 2" W x 5" H



*QPL Pending

TWIST-STRIP®

TWIST-STRIP®

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, specifically designed to handle the unique characteristics of twisted cables with 1-4 conductors.



	TSK8000	TSK8500
CABLE OUTER DIAMETER RANGE	0.081" - 0.180"	0.180" - 0.310"
MILITARY P/N	M32610/01-01	-
DIMENSIONS	1.6" W x 8.8" H	1.7" W x 9.4" H



ACCESS THE TWIST-STRIP BROCHURE

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LACELOK®

LaceLok® cable lacing fasteners were designed to replace cable ties and hand-tied lacing tape for secondary support of wire harnesses. The LaceLok system provides an ergonomic and consistent solution with unrivaled strength and superior performance.



LACELOK®



STARTER KIT	DMC2300-10NA1
APPLICATION TOOL	DLT-1100
LACELOK*	LF2-10NA1

*Visit our website for additional LaceLok colors and lengths

ACCESS THE LACELOK BROCHURE
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CONNECTOR ASSEMBLY

BANDING TOOLS

Seamlessly tension, secure, and cut stamped EMI bands with our one-step banding tools. These tools are designed with a tension-lock system that indicates when the correct amount of tension has been applied. DMC also offers two-step banding tools designed to terminated welded bands.

	DBS-2100	DBS-2200
TENSION RANGE	145 - 155 lbf	75 - 85 lbf
BAND WIDTH	0.250"	0.125"
COILED BAND P/N	DBS-128-4	DBS-128-8
FLAT BAND P/N	DBS-128-7	DBS-128-7
DIMENSIONS	6.8" W x 6.7" H	6.8" W x 6.7" H



ACCESS THE BANDING BROCHURE
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INSERTION AND REMOVAL TOOLS

DMC provides insertion and removal tools to aid in the installation and extraction of contacts. Multiple styles are available to accommodate front and rear release connectors.

DMC1155
General Purpose Insertion
and Removal Tool Kit



ADAPTERS

Adapters maintain the integrity of connectors by securely holding connectors stationary during installation or removal.



STRAP WRENCHES

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.



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 snugly over jam nut connectors without interfering with surrounding components.



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.



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.



ASSEMBLY VISE

DMC's assembly vise firmly holds components in place for torquing and tightening connector backshells. Interchangeable jaws accommodate connectors with diameters of $\frac{3}{8}$ " - 3".



SAFE-T-CABLE®



Safe-T-Cable® installs 3 times faster than lockwire and produces a stronger and more reliable result. The user-friendly tooling guarantees a smooth installation which greatly reduces the risk of abrasions, repetitive motion injuries, and Foreign Object Debris (FOD).

Safe-T-Cable is available in .022", .032", .040", and .062" diameters and several lengths ranging from 9"- 24".



SCTR323

ADJUSTABLE TENSION MANUAL TOOL SERIES

The most popular manual Safe-T-Cable tool is the adjustable tension tool (SCTR). The rotary tension mechanism on this tool can be adjusted to your precise cable tension requirements.

BATTERY-POWERED TOOL

Our battery-powered Safe-T-Cable tools are adjustable tension tools that make crimping cable easier and faster. New features allow the operator to track tool performance, users, and projects. Crimp data is viewable in real-time on the LED display, or can be downloaded via Bluetooth® to an app.



SCTE323C

SCTE625C

PNEUMATIC TOOL

Pneumatic Safe-T-Cable tools are ideal for high production environments and are available in adjustable tension and pre-set tension options.



SCTP327

SCTPRM403



ACCESS THE SAFE-T-CABLE BROCHURE
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TOOL KITS

DMC has built electrical wiring interconnect system (EWIS) maintenance tool kits for over 50 years. Each kit is thoroughly researched to include the necessary tools to prepare, terminate, install, and remove wires.

Our kits are available in multiple configurations including hand-carry kits, trolley cases, and roll-around cabinets. We offer a variety of pre-assembled kits for platform-specific, connector-specific, and general purpose needs, as well as custom kits tailored to your unique application. The tool kit featured below is a popular choice among rail professionals due to its broad coverage.

CONNECTOR COVERAGE

AMP	"NICC" ARINC600
ITT Cannon	"BKAD/BKAE" ARINC600
Radiall	"NSX" ARINC600
Souriau	"S600" ARINC600
SAE-AS7928	Insulated/Uninsulated Terminals
SAE-AS50151	3450 Series
SAE-AS81824	Environmental Splices
MIL-DTL-26482	Series 1, 2
MIL-DTL-28748	Rack & Panel
MIL-DTL-24308	Miniature Rack & Panel
MIL-DTL-38999	Series 1, 2, 3, 4
MIL-DTL-83723	Series 3

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3	Turret Heads
1	Universal Turret Head
5	Positioners
1	Universal Positioner
4	Metal Insertion Tools
4	Metal Removal Tools
44	Plastic Insertion/Removal Tools
1	Hex Wrench
1	Multi-Purpose Electrical Tool



DMC1149 SALES LITERATURE
General Purpose Maintenance Kit
Scan for Kit Contents



ACCESS THE TOOL KIT BROCHURE
Scan for more tool kits.





Daniels Manufacturing Corporation
526 Thorpe Road, Orlando, Florida 32824 USA
407-855-6161 dmc@dmctools.com
www.dmctools.com