DANIELS MANUFACTURING CORPORATION®

BANDING TOOLS

High-Performance EMI Shielding Solutions

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.

DBS-BK Rev E

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RELIABLE TOOLS FOR EMI PROTECTION

Daniels Manufacturing Corporation® (DMC®) banding tools set the standard in reliability for terminating electromagnetic interference (EMI) bands throughout mission-critical systems. Our banding tools meet stringent specifications to ensure secure and consistent band installations that withstand intense environmental conditions. These tools are commonly used across aerospace, defense, and other high-reliability electronic industries.

DMC banding tools are not only easy to use, but are also designed with repeatability in mind. Our advanced tensioning mechanism minimizes user fatigue to help operators achieve accurate results and safety in every project.

LEARN MORE ABOUT BANDING TOOLS

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FLEXIBLE SOLUTIONS

COMPLETE COVERAGE

- Tools designed to install stamped and welded M85049 bands
- Coverage includes standard .250” bands and mini .125” bands
- Broad compatibility with bands from multiple OEMs

RELIABLE

- Qualified to SAE AS81306/1 and /2 specifications
- Built from durable materials that withstand repeated use

PRECISE

- Tension-lock system ensures the correct amount of tension is applied for each termination
- Factory-set calibration is certified by NIST

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ONE-STEP BANDING TOOLS

DMC's one-step banding tools are built to SAE AS81306/1 specifications and designed to install stamped bands. They are available in two varieties to accommodate both .250" and .125" wide bands. The cutoff handle on the one-step tools easily cuts, bends, and locks the shield band simultaneously.

STEP BY STEP

Squeeze the release lever to insert the band loop-side down.

Tension the band using the black tensioning handle until the banding tool locks.

Use the red or blue cutoff handle to cut the excess band.

DBS-2100

.250" BANDING TOOL

145-155 lbf | 6.8" x 6.7" | LB 1.02 lbs

DMC P/N	Description	Military P/N
DBS-2100	.250" Wide Band One-Step Tool*	M81306/1A
DBS-128-3	.250" Wide Stamped Band - Flat	M85049/128-3
DBS-128-4	.250" Wide Stamped Band - Coiled	M85049/128-4

**Includes DBS-2100 and DBS-2100-32 Tension Adjustment Key.*
Bands are manufactured by companies listed on the M85049/128 QPL.

ONE-STEP BANDING TOOL KITS

DMC offers several tool kit options for our one-step banding system. Among the most popular is DMC2058A which includes tools to terminate .250" and .125" wide stamped bands. This kit comes complete with 10 flat bands of each size as well as the accessories necessary for tension verification and adjustments.

DMC2058A
.250" and .125" Kit
22" x 17" x 5"

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DBS-2200

.125” BANDING TOOL

75-85 lbf | 6.8” x 6.7” | 1.02 lbs

DMC P/N	Description	Military P/N
DBS-2200	.125” Wide Mini-Band One-Step Tool*	M81306/1B
DBS-128-7	.125” Wide Stamped Mini-Band - Flat	M85049/128-7
DBS-128-8	.125” Wide Stamped Mini-Band - Coiled	M85049/128-8

**Includes DBS-2200 and DBS-2100-32 Tension Adjustment Key.*
Bands are manufactured by companies listed on the M85049/128 QPL.

VERIFICATION GAGES

Field verification inspection gages are available for both tools and allow operators to ensure the proper tension of the tool is applied while on location. A colored guide on the gage indicates if the tension is too high or too low.

DBS-CG7
(M81306/1C)
For DBS-2100

DBS-CG8
(M81306/1D)
For DBS-2200

ELECTRONIC CALIBRATION INSTRUMENT

The DBS-CG4D calibration instrument is suitable for quality assurance and calibration labs. This instrument allows the operator to gage the exact tension produced by the DBS-2200 and DBS-2100 banding tools. This instrument has a readout accuracy of ±0.5%. It is calibrated by DMC and traceable to NIST.

DMC also offers several single-tool banding tool kits available with or without accessories and bands. Our most popular options include the DBS-2102 (M81306/1-01) kit for .250” bands and the DBS-2202 (M81306/1-02) kit is for .125” bands. Contact DMC for a complete list of our banding tool kits.

DBS-2102
.250” Kit
12.8” X 10.4” X 4.6”

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TWO-STEP BANDING TOOLS

DMC's two-step banding tools are built to SAE AS81306/2 specifications and can install welded bands. These tools tension and cut the band leaving an extended cutoff tab. A rollover tool is then used to bend the extended cutoff tab 180° to prevent slippage. Pneumatic versions are also available.

STEP BY STEP

Insert the band loop-side up. Squeeze the blue tensioning handle until the tool locks.

Lift the red cutter lever up to secure the band and back down to terminate the band.

Use the rollover tool to roll over the cutoff tab.

DBS-1100

.250" BANDING TOOL

140-160 lbf

7.6" x 5.4"

1.4 lbs

DMC P/N	Description	Military P/N
DBS-1100	.250" Wide Band Two-Step Tool*	M81306/2-01A
DBS-R03	Rollover Tool	M81306/2-01C
DBS-128-1	.250" Wide Welded Band - Flat	M85049/128-1
DBS-128-2	.250" Wide Welded Band - Coiled	M85049/128-2
PBT1100	Pneumatic Equivalent	-

**Includes DBS-1100 and DBS-1100-32 Tension Adjustment Key.*
Bands are manufactured by companies listed on the M85049/128 QPL.

TWO-STEP BANDING TOOL KITS

DMC offers a variety of two-step banding tool kits that are available with or without accessories and bands. Contact DMC for a complete list.

DBS-1102
.250" Kit
13" X 10" X 5"

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DBS-1200
.125" BANDING TOOL

70-90 lbf | 7.6" x 5.4" | 1.4 lbs

DMC P/N	Description	Military P/N
DBS-1200	.125" Wide Mini-Band Two-Step Tool*	M81306/2-02B
DBS-R05	Rollover Tool	M81306/2-02D
DBS-128-5	.125" Wide Welded Mini-Band - Flat	M85049/128-5
DBS-128-6	.125" Wide Welded Mini-Band - Coiled	M85049/128-6
PMBT1200	Pneumatic Equivalent	-

**Includes DBS-1200 and DBS-1100-32 Tension Adjustment Key.*
Bands are manufactured by companies listed on the M85049/128 QPL.

VERIFICATION GAGE SETS

DMC offers verification gage sets to determine the calibration state of our two-step banding tools while in the field. The set features a verification gage for locking the tool and a Go/No-Go gage to confirm the tool's tension accuracy.

DBS-CG2A
(M81306/2-01E)
For DBS-1100

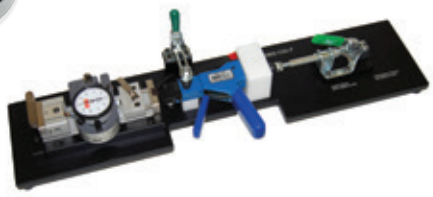
DBS-CG3A
(M81306/2-02F)
For DBS-1200

ELECTRONIC CALIBRATION INSTRUMENT

The DBS-CG1 calibration instrument allows operators to measure the exact tension produced by the DBS-1200, DBS-1100, and their pneumatic equivalents. This instrument is suitable for quality assurance and calibration labs and may be used with the DBS-CG1-F holding fixture.

DBS-CG1

DBS-CG1-F



DMC P/N	Contents
DBS-1102	1 DBS-1100 Tool, 1 DBS-RO3 Rollover Tool, 1 DBS-1100-32 Adjustment Key, 1 DBS-CG2A Gage Set
DBS-1202	1 DBS-1200 Tool, 1 DBS-RO5 Rollover Tool, 1 DBS-1100-32 Adjustment Key, 1 DBS-CG3A Gage Set
DMC1379	1 DBS-1100 Tool, 1 DBS-RO3 Rollover Tool, 1 DBS-BR1 Band Removal Tool, 1 DBS-1100-32 Adjustment Key, 1 DBS-CG2A Gage Set, 50 qty 4-1380 Bands

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BANDING TOOL ACCESSORIES

BLADES

Blades should be replaced periodically to ensure the proper function and precision of DMC banding tools. Below is a table of replacement blades and their respective tool frame.

Replaceable Blades		
DMC Banding Tool P/N	**DMC Blade P/N**	**Description**
DBS-1100 and DBS-1200	**DBS-1100-7**	Cutter Blade
DBS-2100	**DBS-2100-BRK***	Blade Field Service Kit
	DBS-2100-SB	Replacement Stationary Blade
	DBS-2100-MB	Replacement Movable Blade
DBS-2200	**DBS-2200-BRK***	Blade Field Service Kit
	DBS-2200-SB	Replacement Stationary Blade

**Includes blades, pins, and clips.*

SPLIT RINGS

DMC provides split rings as an additional means of protection for cable harnesses. Split rings are used to cover the terminated area on mid-cable shield terminations to ensure that the bands remain secure.

Split Rings 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 split rings are available. Contact DMC for more information.*
***Split rings are manufactured by companies listed on the M85049/93 QPL.*

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