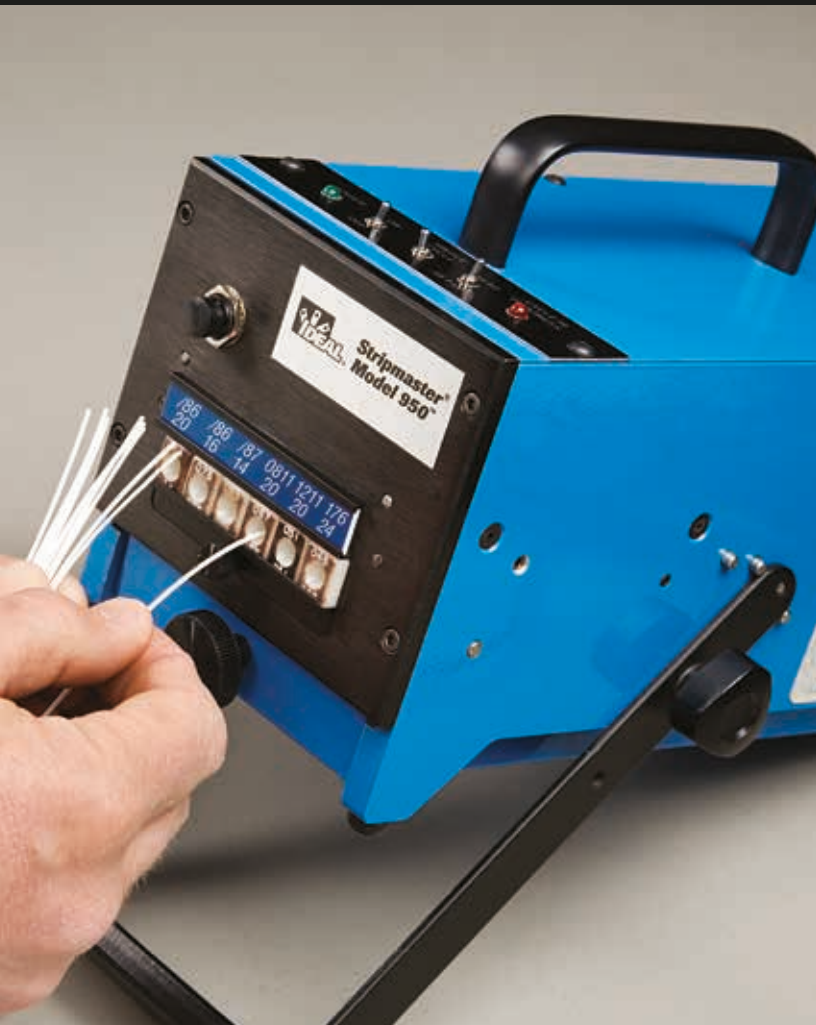




# AEROSPACE CATALOGUE



## Mil-Aero

Every aspect of the aerospace industry demands precision and accuracy. That includes wire processing - our area of expertise at IDEAL. Working with both wire manufacturers and aerospace engineers, we develop unique blades with tight tolerances that strip wire accurately and dependably. See page 24 for more on our **NEW** Cable Lacing Fasteners.

**NEW**

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## Wire Stripping Basics

There are two basic levels of wire stripping - precision and non-precision. The first type, precision wire stripping, is employed where extreme reliability and critical tolerances must be achieved. Aircraft, computers, aerospace, missiles, radar guidance systems, and communications systems are examples of applications where precision wire stripping is required. In many cases, the military standard is called for and meeting that standard is rigidly enforced and calls for the highest quality precision wire stripping.

The second, non-precision stripping, is used in the manufacturing of lighting fixtures, electrical appliances, automotive harnesses, etc. This requires wire strips that assure product reliability and are obtained at a relatively low cost.

For each type of wire stripping and production requirement, the best tool and/or method to get the job done right must be determined, and IDEAL Electrical is there to assist with free wire analysis.



## Wire Dimensions

Wire dimensions affect stripping requirements. A variety of factors determine just how precisely a wire can be stripped, including gauge, insulation type and concentricity. A common misconception is that two wires with the same gauge will have identical measurements. Wire conductor diameters can differ just as insulation thicknesses vary. Both factors are important when selecting the proper blades, wire stripper and stripping method of specific applications. The type of wire to be stripped and the type of stripping required, non-precision or precision, will help determine the stripping tool and/or method to be employed for optimum results.



## Stripmaster® 950 Wire Stripper

This electrically operated, pneumatic precision wire stripping unit is engineered to get the job done right every time. It accommodates six different wire diameters without switching tools or blade sets, making it one of the most versatile wire strippers IDEAL offers.



Wire guide busings are sized to the outside diameter of the wire.

Die-type blades help provide proper alignment and a quality strip.



# Stripmaster® 950 Wire Stripper

- Pneumatic precision wire stripper automatically strips 30 AWG through 10 AWG solid or stranded wire
- Accommodates six different wire diameters without switching tool or blade sets
- Electronic triggering for easy and accurate strips
- Meets military and commercial wire stripping specifications
- Replaceable wire guides and blades for maximum flexibility
- Controls strip length accurately from .125 in./3.175 mm min. to .630 in./16 mm max.
- Enclosed blade and wire stripping area
- Individual adjustable strip lengths for each port
- Eliminates repetitive motion disorders
- Meets AS5768 quality standard



Customised identification label configured to each customers requirements.

## Ordering Information

Description	Cat. No.
Stripmaster® with individually adjustable strip lengths per stripping hole*	<b>45-950</b>
Stripmaster® with permanent gripper assembly installed**	<b>45-954</b>

\*3 ft./1 m. of wire for each wire stripping hole must be supplied at time of order.  
 \*\*Permanent Gripper Assembly, available for 45-950 or 45-950-1\*\*\*, helps with hard to grip wires and provides longer gripper life in high production usage. Permanent grippers require a factory installed custom face plate with grippers sized to match your specific wire sizes and must be specified at time of order. 3 ft./1 m. of wire for each wire stripping hole must be supplied at time of order.  
 \*\*\* Stripmaster® with external adjustment knob. Only available on special request.



## Technical Data

<b>Strip Lengths:</b>	Minimum: .125 in. (3mm)      Maximum: .630 in. (16mm)
<b>Capacities:</b>	Minimum: 30 AWG (.05mm <sup>2</sup> )      Maximum: 10 AWG (6.0mm <sup>2</sup> )
<b>Accuracy:</b>	Meets Military Specifications in most applications.
<b>Voltage:</b>	12V required for operation. 120V/60Hz transformer supplied as standard. For 220V/50Hz application, order 45-951 transformer.
<b>Air Pressure:</b>	65 PSI max.
<b>Air Filter:</b>	Recommended, but not required.
<b>Blade Type:</b>	Heat treated steel knife or die-type blades are available.
<b>Guide Bushings:</b>	Precision moulded and machined Delrin.
<b>Dimensions:</b>	Width: 6.6 in. (168mm)      Depth: 11.3 in. (287mm) Height: 6.8 in. (173mm)
<b>Weight:</b>	13 lbs. (5.90 Kgs)
<b>Warranty:</b>	1-year limited warranty

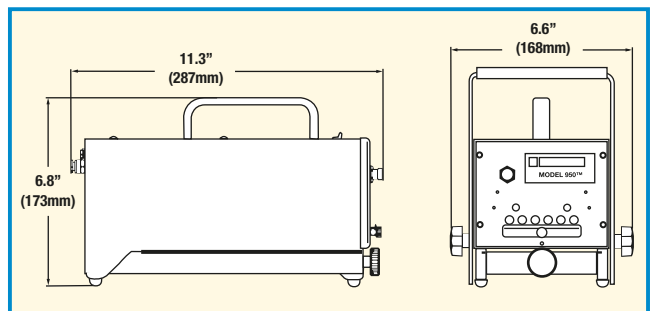
## Accessories

Description	Cat. No.
Standard blade and bushings	<b>Consult Factory</b>
Permanent Gripper Assembly	<b>45-950-4</b>
Air filter/regulator	<b>45-906</b>
220V, 50Hz Transformer	<b>45-951</b>
T®-Cutter Lite Wire Cutter	<b>45-260</b>
Hex Key Set	<b>691.020</b>

## Production Rates

Production Conditions	Pieces/Hour	Hours/100 Pcs.
Short Strip 1/8 in. (3mm)	2,200–3,000	.033–.040
Medium Strip 1/4 in. (6mm)	2,000–2,200	.046–.056
Long Strip 1/2 in. (13mm)	1,500–1,700	.059–.067

## Dimensional Information

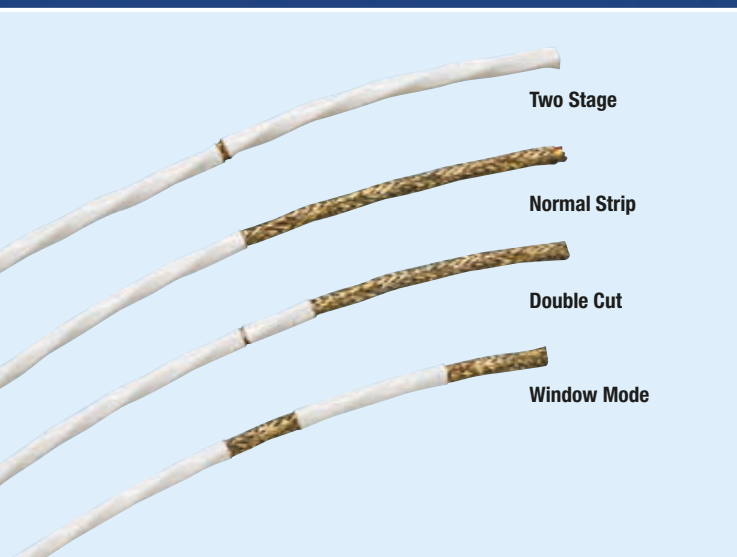


# STP Stripping System

The STP (Shielded Twisted Pair) Stripping System is programmable and meets strict tolerances. The hot-blade thermal cable stripping system adjusts to protect shielded cable for accurate stripping every time.

The system automatically adjusts for cable up to .3125 in. (7.9mm) diameter and cycles in as little as six seconds. This system fits in a 24 in. (60 cm) work space and stores up to 500 batch programs.

## Precision Stripping Applications





# STP Stripping System

- The STP automatically adjusts to the size of cable being stripped and readily accepts cable diameters up to a maximum of 0.3125 in. (7.9mm).
- Strip lengths are adjustable in inches or millimeters from a minimum of 1.25 in. to a maximum of 6.00 in. (31.7mm to 152.4mm).
- Cycle times may be completed in as little as six seconds.
- User-friendly keypad emits audible tone and provides tactile feedback.
- Large, easy-to-read display shows program mode, operating functions, input prompts and service message.
- Stores up to 500 batch programs for frequently run jobs in non-volatile memory, optimising setup and production.
- Password Security System protects against program modification.
- Safety interlock disconnects electrical power if machine is opened during operation.
- Keyed locking mechanism inhibits unauthorised entry into the machine.
- Developed for bench-top use, the STP Stripping System fits on a 24 in. (60 cm) deep workspace.



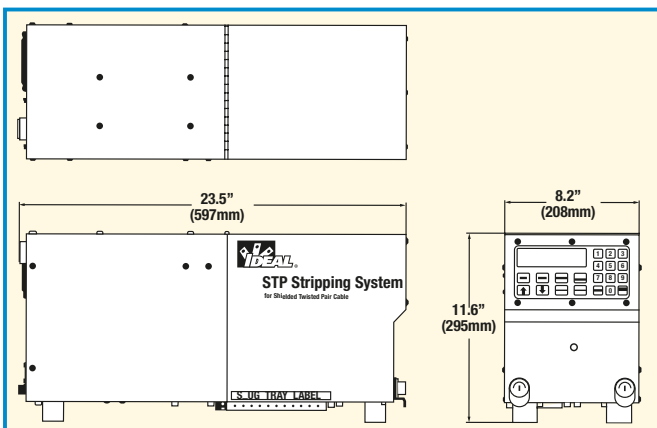
## Ordering Information

Description	Cat. No.
Shielded Twisted Pair Cable Stripping System w/one set of blades, one set of front and rear gripper pads, power cord, 6 ft. (1.8 m) air hose, slug ejector tray, T <sup>®</sup> -Cutter Lite Wire Cutter, keys and operation manual	
STP, 230 VAC, 50 Hz 2A	<b>45-935</b>
Air Regulator	<b>45-906</b>
Replacement Blade Set	<b>K-7763</b>
Replacement Front Grip Pad (two required)	<b>LA-2408</b>
Replacement Standard Rear Grip Pad (six required)	<b>LA-2414</b>
Gripper Slug Remover	<b>45-333</b>
T <sup>®</sup> -Cutter Lite Wire Cutter	<b>45-260</b>
Mounting Bracket	<b>K-6809</b>

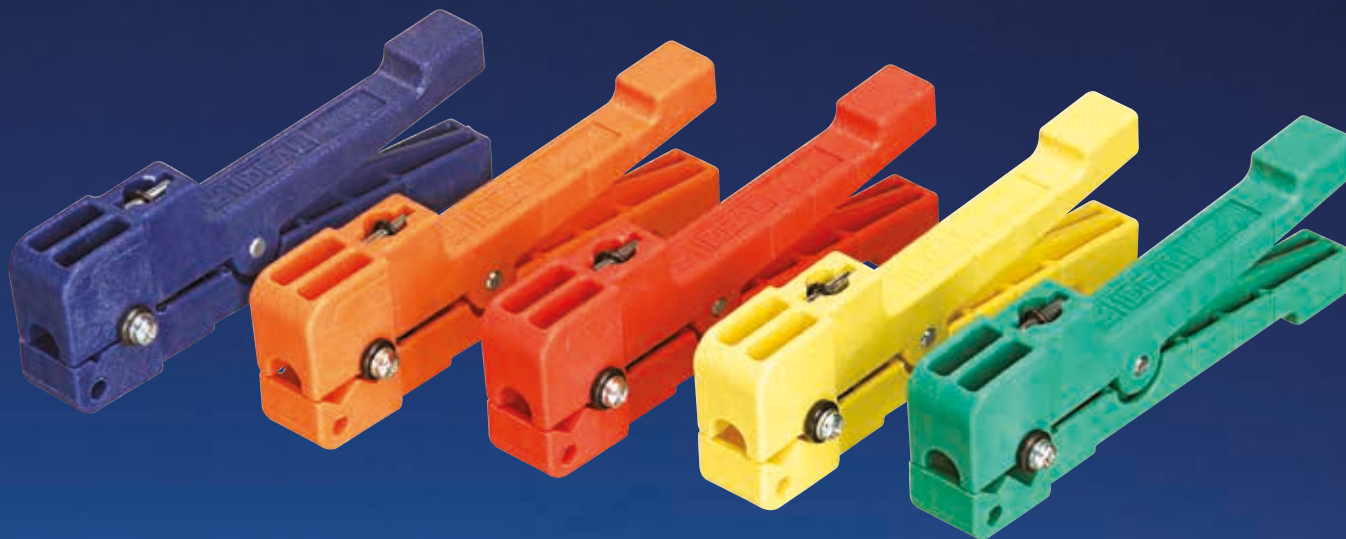
## Technical Data

Technical Data	
<b>Strip Lengths:</b>	Minimum: 1.25 in. (31.7mm) Maximum: 6.00 in. (152.4mm)
<b>Strip Diameter Range:</b>	Minimum: 0.06 in. (1.5mm) Maximum: 0.3125 in. (7.9mm)
<b>Voltage:</b>	Selectable power supply is equipped with an EIC power line receptacle and can easily switch between 110–120V 60Hz to 220–240V 50Hz.
<b>Air Requirements:</b>	Air must be clean, dry and pressure regulated to 100 PSI. An optional air regulator (IDEAL Part No. 45-906) is available.
<b>Blade Type:</b>	Thermal/mechanical
<b>Dimensions:</b>	Width: 10.5 in. (261mm) Depth: 23.5 in. (597mm) Height: 12.25 in. (318mm)
<b>Weight:</b>	65 lbs. (29.5 Kgs)
<b>Warranty:</b>	1-year limited warranty

## Dimensional Information


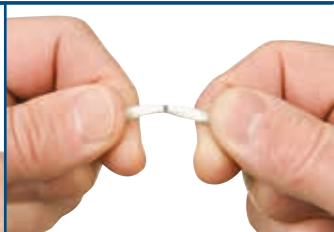




## Ringer™ Shielded Cable Strippers



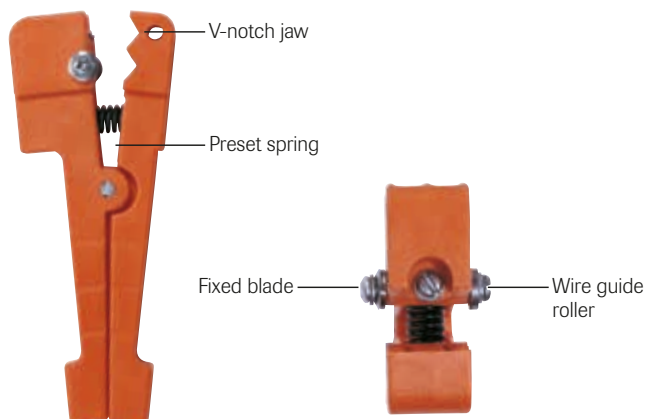
Precision stripping for most non-round shielded cable and other outer cable jackets, including extruded PTFE insulations.

### Stripping Applications

Score Cut		Axial Cut	
			
<p>Rotate tool down and away from you. Only 2 or 3 revolutions are usually required to score insulation.</p>	<p>Remove tool and bend cable at high spots on score line, breaking insulation loose.</p>	<p>Use front blade (sold separately). Blade can be used for making length-wise cut or to remove long insulation slugs. Place cable in front notch, press tool head together and pull tool through end of cable, flex along cut line.</p>	<p>Use IDEAL Gripper™ Slug Remover (sold separately) to grasp slug and pull.</p>

## Ringer™ Shielded Cable Strippers

- Spring-loaded cutting head holds cable with consistently accurate tension, removing any need for adjustment.
- V-notch jaw automatically positions and holds cable, increasing cutting accuracy.
- Fixed blades are sized to insulation thickness, preventing inaccurate cuts, and 17-4 stainless steel construction assures long life.
- Wire guide roller maintains stripping head alignment, producing a square, clean cut.
- Not recommended for layered wrapped cable constructions.



Description	Blade	Colour	Cat. No.
Cable Stripper, 5 Mil insulation, includes Blade	K-6492	Orange	45-401
Cable Stripper, 8-10 Mil insulation, includes Blade	K-6493	Yellow	45-402
Cable Stripper, Cable diameters up to 0.12 in.	sold separately	Blue	45-400
Cable Stripper, Cable diameters from 0.12 in. to 0.22 in.	sold separately	Red	45-403
Cable Stripper, w/"deep V" for cable diameters up to 0.30 in.	sold separately	Green	45-404

## Blades

For use with any Ringer™ shielded cable stripper. Select blade with cutting depth less than insulation thickness. Contact IDEAL (+44 (0)1925 44 44 46) for FREE Application Engineering Service, blade selection or special stripping requests.



Cutting Depth in inches	Cat. No.
.0030 in.	K-6491
.0044 in.	K-6492
.0060 in.	K-6493
.0070 in.	K-6494
.0080 in.	K-6495
.0090 in.	K-6496
.0100 in.	K-6497
.0110 in.	K-6498
.0120 in.	K-6499
.0130 in.	K-6500
.0140 in.	K-6501
.0160 in.	K-6502
.0180 in.	K-6503
.0200 in.	K-6504
.0220 in.	K-6505
.0250 in.	45-2108-1

Select blade with cutting depth less than insulation thickness.

## Wire Stops

- Provides uniform stripping length



Description	Cat. No.
3/8 in. to 2-1/2 in.	LB-825
2-1/2 in. to 5 in.	LB-840

## IDEAL Gripper™ Slug Remover



Description	Cat. No.
Slug Remover	45-333

## Stripmaster® & Stripmaster® Lite Wire Strippers

The versatile Stripmaster®/Stripmaster® Lite Wire Strippers are the standard of the industry. They incorporate a gripper that firmly holds the wire in a centre-line position with the stripping hole. The lever action of the stripper offers a mechanical advantage that makes stripping easier. This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 7/8 in. (22mm). The jaws are automatically held open to allow removal of the wire without damaging its end. This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.



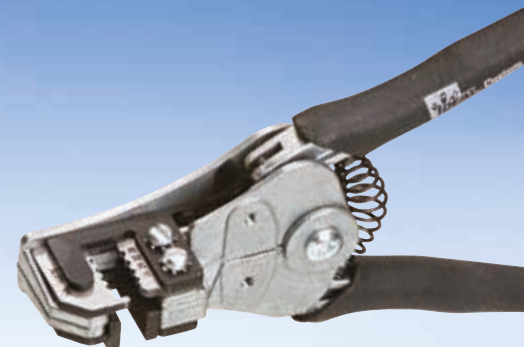
## Custom Stripmaster® Wire Strippers

The Custom Stripmaster® Wire Stripper has set the industry standard in hand-held, precision wire stripping. It provides fast, accurate wire stripping with its one-step, squeeze-action stripping and unique precision blade design. This light-weight wire stripper, made from sturdy die-cast zinc, is designed for maximum mobility and high productivity in all types of non precision and precision stripping applications. The Custom Stripmaster® Wire Stripper offers extra leverage with its spring-action mechanical design for reduced operator effort. It can be customised with your choice of gripper pads and blade sets to match your wire stripping requirements. The comfort grip handles are colour-coded to identify the best tool for the application. Red handles are used for larger wire (10–14 AWG) and black handles are used for smaller wire (16–30 AWG). The blades and grippers installed in the tool are specific to the application. Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.



## Custom Stripmaster® Lite Wire Strippers

The Custom Stripmaster® Lite Wire Stripper marks the beginning of a new era of light-weight, precision wire strippers designed specifically for improved operator comfort. It utilises the same type of precision die-blade construction and features an optional short-stop latch and transparent wire stop. Built of sturdy die-cast zinc, this compact stripper weighs 50% less than its full-sized counterparts, and will impress you with both its ease of operation and durable performance.



# Stripmaster® & Stripmaster® Lite Wire Strippers

- One-step stripping enhances productivity
- Precision-ground, knife-type blades provide clean, accurate stripping
- Sturdy die-cast zinc frame provides long-term durability
- Stripmaster® Lite designed for smaller hands - 3/4 the size of the standard Stripmaster®



## Stripmaster® Wire Strippers and Knife-Type Blades

Specifications — Stripping Hole Diameter in inches (mm)													Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blades Cat. No.	
Wire Size AWG																
6	8	10	12	14	16	18	20	22	24	26	28	30				
	0.159 (4.0)	.141 (3.6)	.106 (2.7)											L-4419	L-5620	45-090
		.144 (3.6)	.105 (2.7)	.085 (2.2)	.073 (1.8)	.073 (1.8)								L-4420	L-5620	45-091
		.144 (3.6)	.113 (2.9)	.090 (2.3)	.072 (1.8)	.061 (1.5)	.048 (1.2)	.048 (1.2)						L-4421	L-5620	45-092 or 45-292-341*
				.090 (2.3)	.072 (1.8)	.061 (1.5)	.039 (1.0)	.039 (1.0)						L-4422	L-5620	45-093
					.072 (1.8)	.061 (1.5)	.048 (1.2)	.039 (1.0)	.032 (0.8)	.026 (0.7)				L-4994	L-5620	45-097
							.048 (1.2)	.039 (1.0)	.032 (0.8)	.026 (0.7)	.021 (0.5)	.016 (0.4)		L-5361	L-5620	45-098
	.198 (5.0)	.167 (4.2)			.062 (1.6)	.055 (1.4)								L-8763	L-5620	45-099

\*Blister Card

Tolerances +0.001 / -0.005

IDEAL Stripmaster Wire Strippers packed with instructions in English, German, French, Spanish, Italian and Swedish languages

## Stripmaster® Lite Wire Strippers and Knife-Type Blades

Specifications — Stripping Hole Diameter Inches (mm)										Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blades Cat. No.	
Wire Size AWG													
12	14	16	18	20	22	24	26	28	30				
		.072 (1.8)	.061 (1.5)	.048 (1.2)	.039 (1.0)						LB-1001	LB-1421	45-671
						.032 (0.8)	.026 (0.7)	.021 (0.5)	.016 (0.4)		LB-1002	LB-1421	45-672
.113 (2.9)	.090 (2.3)	.072 (1.8)	.061 (1.5)	All stranded wire							LB-1003	LB-1421	45-673
.096 (2.4)	.085 (2.2)	.073 (1.9)	.061 (1.5)	12 & 14 Solid Wire, 16 & 18 Stranded Wire							LB-1004	LB-1421	45-674

Tolerances +0.001 / -0.005

IDEAL Stripmaster Wire Strippers packed with instructions in English, German, French, Spanish, Italian and Swedish languages

## Stripmaster® Wire Strippers and Knife-Type Blades for Metric Wire

Specifications — Stripping Hole Diameter (mm)														Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blades Cat. No.
Wire Size mm²																
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	2.5	4	6	8	10			
												4.3	5.0	L-4419M	LA-2358	45-090-341
						1.3	1.6	1.9	2.4	3	3.6			L-4421M	LA-2358	45-092-341 or 45-292-341*
0.6	0.7	0.8	0.9	1.0	1.1									L-5361M	LA-2358	45-098-341

\*Blister Card Tolerances ±0.025mm

## Stripmaster® Lite Wire Strippers

Stripmaster® Lite Wire Stripper and Knife-Type Blade for Metric Wire

Specifications — Stripping Hole Diameter (mm)					Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blade Cat. No.
Wire Size mm <sup>2</sup>							
0.34	0.5	0.75	1	1.5	LB-1001M	H-2909	45-671-341
1.0	1.1	1.3	1.6	1.9			

## Stripmaster® Wire Strippers with Rectangular Holes



Description	Replacement Blades (Pair) Cat. No.	Tool w/Blade Cat. No.
For Flat Telephone Cable (.060 in. or 1.52mm)	LB-1155	N/A
For European Flat Lamp Cord	L-8762	45-089
For SP-SPT Lamp Cord	L-4452	45-095*

\*Also strips 2- and 3-conductor low-voltage wire used in E.E. and Touchplate remote control wiring system.

## Optional Accessories

- Wire Stop provides uniform stripping length, range = 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 5/32 in. and retain slug until wire is ready for terminating.



Description	Cat. No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	L-5270
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	LB-1195
Transparent Adjustable Wire Stop (for Metric Stripmaster® Wire Strippers)	45-2019
Short Stop Latch for Custom & Custom Steel Stripmaster® Wire Strippers	L-5269
Short Stop Latch for Custom Stripmaster® Lite Wire Strippers	LB-1194

## Replacement Parts

Description	Cat. No.
Replacement Frame for Stripmaster® Wire Strippers	L-5620
Replacement Frame for Stripmaster® Lite Wire Strippers	LB-1421
Replacement Moveable Gripper for Stripmaster® Wire Strippers	K-1953



**FREE APPLICATION ENGINEERING SERVICE AVAILABLE.**

**CONTACT IDEAL ELECTRICAL FOR COMPLETE INFORMATION AT +44 (0)1925 44 44 46 OR  
DOWNLOAD APPLICATION AT WWW.IDEALIND.COM/PRODUCTS/WIRE-PROCESSING.**



# Custom Stripmaster® Wire Strippers

- Meets SAE-AS5768 standards
- Strips 30 - 10 AWG solid or stranded wire
- Mil-spec die-type blades allow precision stripping
- Inner cutting hole sized to conductor and counter-bored holes sized to insulation
- Replaceable grippers
- Optional short stop-latch and transparent wire stop
- Cushioned, comfort grip handles
- Engineering service and made-to-order blades available.

## Die-Type Blades

Wire Size AWG / Stripping Hole Diameter in inches											Blade Only Cat. No.	Stripper Cat. No.		
10	12	14	16	18	20	22	24	26	28	30				
<b>For MIL16878 Type E (600V)</b>														
.119/.136	.096/.113	.076/.0935										L-5559	45-176	
			.061/.081	.052/.070	.042/.0595	.034/.052	.028/.043	.023/0.39				L-5560	45-177	
								.023/.039	.019/.035	.016/.032		L-5561	45-178	
<b>For MIL16878 Type EE (1000V)</b>														
.119/.144	.096/.125	.076/.104										L-5562	45-173	
			.061/.089	.052/.0735	.042/.067	.034/.0595	.028/.055	.023/.0465				L-5563	45-174	
								.023/.0465	.019/.043	.016/.042		L-5564	45-175	
<b>For Other Misc. Insulations</b>														
.116/.154	.0937/.136	.076/.113										L-5210	45-170	
			.062/.096	.052/.086	.042/.073	.035/.0635	.0292/.0595	.022/.052				L-5211	45-171	
								.024/.043	.020/.040	.016/.037		L-5436	45-172	
<b>Other Thin Insulations</b>														
								Three identical holes			.012/.020	L-7625	45-179	
							Solid Wires		.024/.033	.018/.025	.014/.023	.012/.019	L-9300	45-169

Tolerances: Cutter Dia.: ± 0.001; Counter-bore Dia.: ± 0.002. The 45-170 Series is a Custom Stripmaster® Wire Stripper frame without the short stop latch and wire stop.

Wire Size AWG / Stripping Hole Diameter in mm											Blade Only Cat. No.	Stripper Cat. No.	
10	12	14	16	18	20	22	24	26	28	30			
<b>For MIL16878 Type E (600V)</b>													
3.02/3.45	2.44/2.87	1.93/2.37										L-5559	45-176M
			1.55/2.06	1.33/1.78	1.07/1.5	0.863/1.32	0.711/1.09	0.584/0.99				L-5560	45-177M
								0.584/0.99	0.482/0.889	0.406/0.813		L-5561	45-178M
<b>For MIL16878 Type EE (1000V)</b>													
3.03/3.6	2.44/3.17	1.93/2.64										L-5562	45-173M
			1.55/2.49	1.33/1.99	1.07/1.70	0.863/1.5	0.711/1.39	0.584/1.17				L-5563	45-174M
								0.584/1.17	0.482/1.09	0.406/1.07		L-5564	45-175M
<b>For Other Misc. Insulations</b>													
2.94/3.91	2.38/3.45	1.93/2.87										L-5210	45-170M
			1.57/2.44	1.33/2.18	1.07/1.85	0.889/1.61	0.736/1.5	0.56/1.32				L-5211	45-171M
								0.609/1.09	0.508/1.01	0.406/0.940		L-5436	45-172M
<b>Other Thin Insulations</b>													
											0.305/0.508	L-7625	45-179M
							0.609/0.838	0.457/0.635	0.356/0.584	0.305/0.482		L-9300	45-169M

Tolerances: Cutter Dia.: ± 0.025 mm; Counter-bore Dia.: ± 0.051 mm

The 45-17xM series contains a metric stud that holds the wire guides/blades in place - blades are AWG marked. Metric sizes shown above are for information purposes only.



## Custom Stripmaster® Lite Wire Strippers

- Meets SAE-AS5768 standards
- Custom Stripmaster® Lite is 3/4 the size of a Custom Stripmaster® Wire Stripper and strips 16 - 30 AWG solid or stranded wire
- Custom Stripmaster® Lite requires one-third less hand pressure for each strip actuation
- Engineering Service and made-to-order blades available.  
Contact factory for complete product and blade number listing.

### Die-Type Blades

Wire Size AWG / Stripping Hole Diameter in inches								Blade Only Cat. No.	Stripper Cat. No.
16	18	20	22	24	26	28	30		
<b>For MIL16878 Type E (600V)</b>									
.061/.081	.052/.070	.042/.0595	.034/.052					<b>LB-918</b>	<b>45-638</b>
		.042/.0595	.034/.052	.028/.043	.023/.039			<b>LB-919</b>	<b>45-639</b>
				.028/.043	.023/.039	.019/.035	.016/.032	<b>LB-920</b>	<b>45-640</b>
<b>For MIL16878 Type EE (1000V)</b>									
.061/.089	.052/.0785	.042/.067	.034/.0595					<b>LB-915</b>	<b>45-635</b>
		.042/.067	.034/.0595	.028/.055	.023/.0465			<b>LB-916</b>	<b>45-636</b>
				.028/.055	.023/.0465	.019/.043	.016/.042	<b>LB-917</b>	<b>45-637</b>
<b>For Other Misc. Insulations</b>									
.062/.096	.052/.086	.042/.073	.035/.0635					<b>LB-912</b>	<b>45-632</b>
		.042/.073	.035/.0635	.0292/.0595	.022/.052			<b>LB-913</b>	<b>45-633</b>
				.0292/.0595	.024/.043	.020/.040	.016/.037	<b>LB-914</b>	<b>45-634</b>
<b>Other Thin Insulations</b>									
							.012/.020	<b>LB-921</b>	<b>45-641</b>
				.024/.033	.018/.025	.014/.023	.012/.019	<b>LB-911</b>	<b>45-631</b>

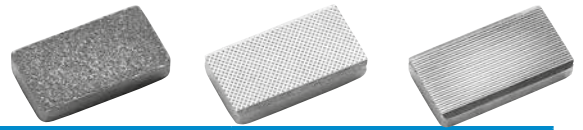
Tolerances: Cutter Dia.: ± 0.001; Counter-bore Dia.: ± 0.002.

Wire Size AWG / Stripping Hole Diameter in mm								Blade Only Cat. No.	Stripper Cat. No.
16	18	20	22	24	26	28	30		
<b>For MIL16878 Type E (600V)</b>									
1.55/2.06	1.32/1.78	1.07/1.51	0.86/1.32					<b>LB-918</b>	<b>45-638</b>
		1.07/1.51	0.86/1.32	0.71/1.09	0.58/0.99			<b>LB-919</b>	<b>45-639</b>
				0.71/1.09	0.58/0.99	0.48/0.89	0.41/0.82	<b>LB-920</b>	<b>45-640</b>
<b>For MIL16878 Type EE (1000V)</b>									
1.55/2.26	1.32/1.99	1.07/1.71	0.86/1.51					<b>LB-915</b>	<b>45-635</b>
		1.07/1.70	0.86/1.51	0.71/1.40	0.58/1.18			<b>LB-916</b>	<b>45-636</b>
				0.71/1.40	0.58/1.18	0.48/1.09	0.41/1.07	<b>LB-917</b>	<b>45-637</b>
<b>For Other Misc. Insulations</b>									
1.57/2.44	1.32/2.18	1.07/1.85	0.89/1.61					<b>LB-912</b>	<b>45-632</b>
		1.07/1.85	0.89/1.61	0.74/1.51	0.56/1.32			<b>LB-913</b>	<b>45-633</b>
				0.74/1.51	0.61/1.09	0.51/1.02	0.41/0.86	<b>LB-914</b>	<b>45-634</b>
<b>Other Thin Insulations</b>									
					4 holes, same size		0.30/0.76	<b>LB-921</b>	<b>45-641</b>
			(solid wire)	0.61/0.84	0.46/0.64	0.36/0.58	0.30/0.48	<b>LB-911</b>	<b>45-631</b>

Tolerances: Cutter Dia.: ± 0.025 mm; Counter-bore Dia.: ± 0.051 mm



# Replacement Gripper Pads



For Custom Stripmaster® and Custom Steel Stripmaster® Wire Strippers			
Surface Type	Gripper Set* Cat. No.	Movable Gripper Cat. No.	Stationary Gripper (Thickness)
Grit**	LB-197	L-5212	L-5215 (.129 in.)
Grit**	LB-198	L-5212	L-5217 (.156 in.)
File‡	LB-721	LB-718	LB-719 (.129 in.)
File‡	LB-722	LB-718	LB-720 (.156 in.)
Parallel	LB-730	LB-727	LB-728 (.129 in.)
Parallel	LB-731	LB-727	LB-729 (.156 in.)
For Custom Stripmaster® Lite Wire Strippers			
Surface Type	Gripper Set* Cat. No.	Movable Gripper Cat. No.	Stationary Gripper (Thickness)
Grit**	LB-1188	LB-882	LB-883 (.109 in.)
File‡	LB-1189	LB-1184	LB-1185 (.109 in.)
Parallel	LB-1190	LB-1186	LB-1187 (.109 in.)

\* Gripper Set includes one movable gripper, one stationary gripper.  
 \*\* Grit pads are standard for most Custom Stripmaster® and Custom Stripmaster® Lite products.  
 ‡ These are for use on hard-to-grip surfaces.  
 Gripper pad selection depends on insulation type and user preference.  
 Note: For 10-14 AWG, use .129 in. stationary gripper. For 16-30 AWG, use .156 in. gripper.

# Replacement Frame Assemblies with Grit Grippers

For Custom Stripmaster® Wire Strippers	Cat. No.
Frame only, 10-14 AWG	L-5616
Frame only, 16-30 AWG	L-5617
Frame only, 10-14 AWG, Wire Stop and Latch	L-5618
Frame only, 16-30 AWG, Wire Stop and Latch	L-5619
Frame only, 10-14 AWG, internal spring (see note)	L-9039
Frame only, 16-30 AWG, internal spring (see note)	L-9038

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

For Custom Steel Stripmaster® Wire Strippers	Cat. No.
Custom Steel frame - no grippers, black sleeve, metric nuts and studs	45-2575
Frame only, 10-14 AWG	LB-1091
Frame only, 16-30 AWG	LB-1092
Frame only, 10-14 AWG, internal spring (see note)	LB-1090
Frame only, 16-30 AWG, internal spring (see note)	LB-1089

Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

For Custom Stripmaster® Lite Wire Strippers	Cat. No.
Frame only	LB-895
Frame only, Wire Stop and Latch	LB-896

# Special Flat-Blades for Ribbon and Multi-Conductor Cable

Custom Steel Stripmaster® Wire Stripper	Blade Gap ("x") vertical height	Cat. No.
Flat blade for 26 AWG (.40mm dia.) multi-conductor	.022 in.	LB-1151
Flat blade for 24 AWG (.00mm dia.) multi-conductor	.030 in.	LB-1152
Flat blade for 22 AWG (.64mm dia.) multi-conductor	.038 in.	LB-1153
Flat blade for 20 AWG (.00mm dia.) multi-conductor	.050 in.	LB-1154
Flat blade for 18 AWG (1.02mm dia.) multi-conductor	.060 in.	LB-1155
Flat blade for 16 AWG (1.29mm dia.) multi-conductor	.075 in.	LB-1156

## MIL-Spec Application Guide

	Custom Stripmaster®			Custom Stripmaster® Lite		
	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
5 MDI AIRFRAME TYPE A&B	<b>45-2691</b>	<b>45-2691-1</b>	10-14	<b>N/A</b> <b>45-2685</b>	<b>N/A</b> <b>45-2685-1</b>	N/A 16-24
5 MDI HOOK-UP TYPE C	<b>45-2694</b>	<b>45-2694-1</b>	10-14	<b>N/A</b> <b>45-2693</b> <b>45-2692</b>	<b>N/A</b> <b>45-2693-1</b> <b>45-2692-1</b>	N/A 16-22 20-26
AD	<b>45-2824-9</b> <b>45-2825-9</b>	<b>48-2824-1</b> <b>45-2825-1</b>	16-26 10-14	<b>N/A</b> <b>N/A</b>	<b>N/A</b> <b>N/A</b>	N/A N/A
AEP System 2112	<b>45-2903*</b> <b>45-1987</b>	<b>55-2903-1*</b> <b>45-1987-1</b>	16-24 16-26			
AK	<b>45-1513</b>	<b>45-1513-1</b>	16-26	<b>45-2128</b> <b>45-2129</b>	<b>45-2128-1</b> <b>45-2129-1</b>	16-22 20-26
AKA	<b>45-1654</b> <b>45-171</b> <b>45-1608</b> <b>45-170</b>	<b>45-1654-1</b> <b>L-5211</b> <b>45-1608-1</b> <b>L-5210</b>	16-26 16-26 10-14 10-14	<b>45-2132</b> <b>45-632</b> <b>N/A</b> <b>N/A</b>	<b>45-2132-1</b> <b>LB-912</b> <b>N/A</b> <b>N/A</b>	16-24 16-22 N/A N/A
AKB	<b>45-1654</b> <b>45-171</b> <b>45-1608</b> <b>45-170</b>	<b>45-1654-1</b> <b>L-5211</b> <b>45-1608-1</b> <b>L-5210</b>	16-26 16-26 10-14 10-14	<b>45-2132</b> <b>45-632</b> <b>N/A</b> <b>N/A</b>	<b>45-2132-1</b> <b>LB-912</b> <b>N/A</b> <b>N/A</b>	16-24 16-22 N/A N/A
BE	<b>45-171</b> <b>45-170</b>	<b>L-5211</b> <b>L-5210</b>	16-26 10-14	<b>45-632</b>	<b>LB-912</b>	16-22
BF	<b>45-1773</b> <b>45-1774</b> <b>45-1939</b> <b>55-1773*</b>	<b>45-1773-1</b> <b>45-1774-1</b> <b>45-1939-1</b> <b>55-1773-1*</b>	18-24 12-14 10-14 16-26	<b>45-2126</b> <b>45-2127</b>	<b>45-2126-1</b> <b>45-2127-1</b>	16-22 20-26
BMS13-48 TYPES 1-7, 25, 26, 30 (6mil Wall Thickness)	<b>45-1551</b> <b>45-2500</b> <b>55-1987*</b>	<b>45-1551-1</b> <b>45-2500-1</b> <b>55-1987-1*</b>	16-26 10-14 16-26	<b>45-2612</b>	<b>45-2612-1</b>	16-24
BMS13-48 TYPES 10-14, 27, 28, 31, 32, 35, 36 (8mil Wall Thickness)	<b>45-1654</b> <b>45-2500</b> <b>45-1611</b> <b>55-1987*</b>	<b>45-1654-1</b> <b>45-2500-1</b> <b>45-1611-1</b> <b>55-1987-1*</b>	16-26 10-14 10-14 16-26	<b>45-2132</b>	<b>45-2132-1</b>	16-24
BMS13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	<b>45-1987</b> <b>45-2500</b> <b>45-1611</b> <b>55-1987*</b>	<b>45-1987-1</b> <b>45-2500-1</b> <b>45-1611-1</b> <b>55-1987-1*</b>	16-26 10-14 10-14 16-26	<b>45-2133</b>	<b>45-2133-1</b>	16-24
BMS13-60 TYPE 1-6, 19-21, 23-27, 33-34	<b>45-2541</b> <b>45-2543</b> <b>55-2543*</b>	<b>45-2541-1</b> <b>45-2543-1</b> <b>55-2543-1*</b>	10-14 16-26 16-24	<b>N/A</b> <b>45-2697</b>	<b>N/A</b> <b>45-2697-1</b>	N/A 16-24
BMS13-60 TYPE 12-18, 28-32	<b>45-2542</b> <b>45-2544</b>	<b>45-2542-1</b> <b>45-2544-1</b>	10-14 16-24	<b>N/A</b> <b>N/A</b>	<b>N/A</b> <b>N/A</b>	N/A N/A
BMS13-60 TYPE 13-18, 28-32	<b>45-2686</b>	<b>45-2686-1</b>	16-24	<b>45-2698</b>	<b>45-2698-1</b>	16-24
BMS13-60 TYPE 7-12	<b>45-2565</b> <b>45-2564</b> <b>55-2564*</b>	<b>45-2565-1</b> <b>45-2564-1</b> <b>45-2564-1*</b>	10-14 16-26 16-26	<b>N/A</b> <b>N/A</b>	<b>N/A</b> <b>N/A</b>	N/A N/A
BMS13-78	<b>55-2933*</b>	<b>55-2933-1*</b>	16-22			
BMS13-80	<b>55-2934*</b>	<b>55-2934-1*</b>	22-26			
CF	<b>45-1773</b> <b>45-1774</b> <b>55-1773*</b>	<b>45-1773-1</b> <b>45-1774-1</b> <b>55-1773-1*</b>	18-24 12-14 16-26	<b>45-2126</b> <b>45-2127</b>	<b>45-2126-1</b> <b>45-2127-1</b>	16-22 20-26
	Custom Stripmaster®			Custom Stripmaster® Lite		

\*Note: 55-Series frames or replacement blades are not interchangeable with the 45-Series tools

# MIL-Spec Application Guide (continued)

	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
DE	45-171 45-170	L-5211 L-5210	16-26 10-14	45-632	LB-912	16-22
DK	45-1773 45-1774 45-1939 55-1773*	45-1773-1 45-1774-1 45-1939-1 55-1773-1*	10-14 12-14 10-14 16-26	N/A	N/A	N/A
DL	45-1939 55-2905*	45-1939-1 55-2905-1*	10-14 16-22	N/A	N/A	N/A
DM	45-1939 45-2811	45-1939-1 45-2811-1	10-14 16-24	N/A	N/A	N/A
DR	45-2834 45-2835	48-2824-1 45-2825-1	16-26 10-14	N/A N/A	N/A N/A	N/A N/A
JN 1007 CH 002 TO 012	45-2775 55-2775*	45-2775-1 55-2775-1*	16-24 16-24			
JN 1007 CH 020 to 030	45-2776	45-2776-1	12-14			
MIL-W-16878/4	45-1611	45-1611-1	10-14	N/A	N/A	N/A
MIL-W-16878/5	45-174	L-5563	16-26	45-635	LB-915	16-22
MIL-W-22759/11/12/22/23	45-177 55-5560* 45-178	L-5560 55-5560-1* L-5561	16-26 16-26 26-30	45-2138 45-2139 45-640	45-2138-1 45-2139-1 LB-920	16-24 18-26 24-30
MIL-W-22759/16/17	45-1611 45-1987 55-1987*	45-1611-1 45-1987-1 55-1987-1*	10-14 16-26 16-26	N/A 45-2133 45-2118	N/A 45-2133-1 45-2118-1	N/A 16-24 20-26
MIL-W-22759/18/19	45-1608 45-1551	45-1608-1 45-1551-1	10-14 16-26	N/A 45-2612 45-2125	N/A 45-2612-1 45-2125-1	N/A 16-24 20-26
MIL-W-22759/32/33/44/45/46	45-1987 55-1987* 45-1654	45-1987-1 55-1987-1* 45-1654-1	16-26 16-26 16-26	45-2133 45-2118 45-2132 45-2114	45-2133-1 45-2118-1 45-2132-1 45-2114-1	16-24 20-26 16-24 20-26
MIL-W-22759/7/8	55-1500*	55-1500-1*	16-22	N/A	N/A	N/A
MIL-W-22759/80/81/82/91/92	45-2542 45-2544 55-2693*	45-2542-1 45-2544-1 55-2693-1*	10-14 16-24 16-26	N/A 45-2693 45-2692	N/A 45-2693-1 45-2692-1	N/A 16-22 20-26
MIL-W-22759/83/84/85/86/87/88/89/90	45-2541 45-2543 45-2618 55-2685*	45-2541-1 45-2543-1 45-2618-1 55-2685-1*	10-14 16-26 16-26 16-26	N/A 45-2685 45-2799	N/A 45-2685-1 45-2799-1	N/A 16-24 16-24
MIL-W-24640/19/22/23/24	45-1957	45-1957-1	14-22	N/A	N/A	N/A
MIL-W-25038/3	55-2901*	55-2901-1*	16-22			
MIL-W-5086 TYPE I	45-1192	45-1192-1	8-12	N/A	N/A	N/A
MIL-W-5086 TYPE II	45-1159 45-1302	45-1159-1 45-1302-1	10-14 16-22	N/A N/A	N/A N/A	N/A N/A
MIL-W-5086/1/7	45-171	L-5211	16-26	45-634	LB-914	24-30
MIL-W-81044/11/12/13	45-1611 45-2500 45-1987 55-1987* 45-178	45-1611-1 45-2500-1 45-1987-1 55-1987-1 L-5561	10-14 10-14 16-26 16-26 26-30	N/A N/A 45-2133 45-2118 45-640	N/A N/A 45-2133-1 45-2118-1 LB-920	N/A N/A 16-24 20-26 24-30
	Custom Stripmaster®			Custom Stripmaster® Lite		

\*Note: 55-Series frames or replacement blades are not interchangeable with the 45-Series tools

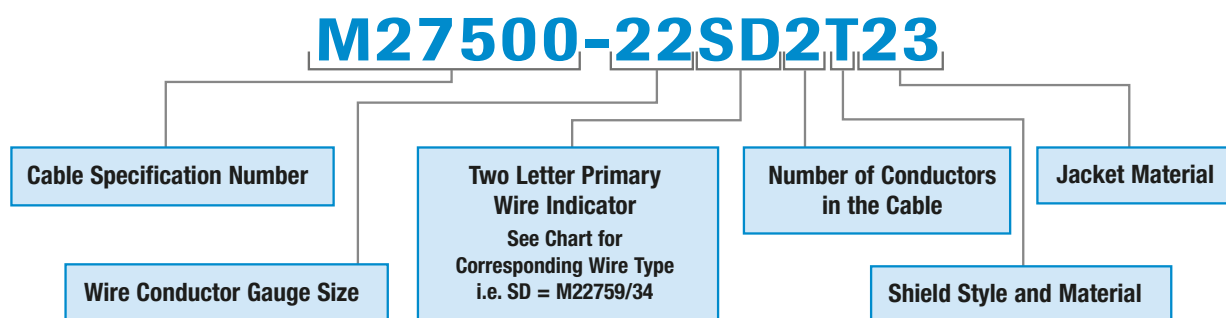
## MIL-Spec Application Guide (continued)

	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG	Hand Tool w/ Blade	Replacement Blade Only	Wire Range AWG
MIL-W-22759/34/35/41/42/43	<b>45-1611</b>	<b>45-1611-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-2500</b>	<b>45-2500-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1987</b>	<b>45-1987-1</b>	16-26	<b>45-2133</b>	<b>45-2133-1</b>	16-24
	<b>55-1987*</b>	<b>55-1987-1</b>	16-26	<b>45-2118</b>	<b>45-2118-1</b>	20-26
	<b>45-178</b>	<b>L-5561</b>	26-30	<b>45-640</b>	<b>LB-920</b>	24-30
MIL-W-81044/16/17	<b>45-1611</b>	<b>45-1611-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1610</b>	<b>45-1610-1</b>	16-26	<b>N/A</b>	<b>N/A</b>	N/A
				<b>45-2112</b>	<b>45-2112-1</b>	20-26
			<b>45-2131</b>	<b>45-2131-1</b>	16-24	
MIL-W-81044/4/5/6	<b>45-170</b>	<b>L-5210</b>	10-14	<b>45-632</b>	<b>LB-912</b>	16-22
				<b>45-633</b>	<b>LB-913</b>	20-26
MIL-W-81044/8/9/10	<b>45-173</b>	<b>L-5662</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-174</b>	<b>L-5563</b>	16-26	<b>45-635</b>	<b>LB-915</b>	16-22
	<b>45-175</b>	<b>L-5564</b>	26-30	<b>45-637</b>	<b>LB-917</b>	24-30
	<b>55-2901*</b>	<b>55-2901-1*</b>	16-26	<b>45-636</b>	<b>LB-916</b>	20-26
MIL-W-81381/1/2/6/7/8/9/10/17/21	<b>45-1609</b>	<b>45-1609-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1551</b>	<b>45-1551-1</b>	16-26	<b>45-2612</b>	<b>45-2612-1</b>	16-24
				<b>45-2125</b>	<b>45-2125-1</b>	20-26
	<b>45-178</b>	<b>L-5561</b>	26-30	<b>45-640</b>	<b>LB-920</b>	24-30
MIL-W-81381/11/12/13/14/22	<b>45-1608</b>	<b>45-1608-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1654</b>	<b>45-1654-1</b>	16-26	<b>45-2114</b>	<b>45-2114-1</b>	20-26
	<b>45-178</b>	<b>L-5561</b>	26-30	<b>45-2132</b>	<b>45-2132-1</b>	16-24
			<b>45-640</b>	<b>LB-920</b>	24-30	
MIL-W-81381/17/21	<b>45-1523</b>	<b>45-1523-1</b>	16-26	<b>45-2120</b>	<b>45-2120-1</b>	20-26
	<b>45-1672</b>	<b>45-1672-1</b>	16-26	<b>45-2121</b>	<b>45-2121-1</b>	16-24
	<b>45-1633</b>	<b>45-1633-1</b>	16-26	<b>N/A</b>	<b>N/A</b>	N/A
	<b>55-1633*</b>	<b>45-1633-1*</b>	16-26	<b>N/A</b>	<b>N/A</b>	N/A
MIL-W-81381/18/19/20	<b>45-1609</b>	<b>45-1069-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1672</b>	<b>45-1672-1</b>	16-26	<b>45-2612</b>	<b>45-2612-1</b>	16-24
	<b>45-1551</b>	<b>45-1551-1</b>	16-26	<b>45-2125</b>	<b>45-2125-1</b>	20-26
MIL-W-81381/3/4	<b>45-175</b>	<b>L-5564</b>	26-30	<b>45-637</b>	<b>LB-917</b>	24-30
MIL-W-85485/5/6/7/8	<b>45-1925</b>	<b>45-1925-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
	<b>45-1924</b>	<b>45-1924-1</b>	16-24	<b>N/A</b>	<b>N/A</b>	N/A
MIL-W-85485/9/10	<b>45-1610</b>	<b>45-1610</b>	16-26	<b>45-2131</b>	<b>45-2131-1</b>	16-24
MIL-W-85485/9/10/11/12	<b>45-1611</b>	<b>45-1611-1</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A
PAN 6411 DP 002 TO 012	<b>45-2801</b>	<b>45-1773-1</b>	16-24	<b>45-2126</b>	<b>45-2126-1</b>	16-22
				<b>45-2127</b>	<b>45-2127-1</b>	20-26
PAN 6411 DP 020 & 030	<b>45-2802</b>	<b>45-1774-1</b>	12-14	<b>N/A</b>	<b>N/A</b>	N/A
PAN 6420 YR 004 TO 006	<b>55-2903*</b>	<b>55-2903-1*</b>	16-26			
PAN 6429 BE 002 TO 006	<b>45-171</b>	<b>L-5211</b>	16-24	<b>45-632</b>	<b>LB-912</b>	16-22
PAN 6588TW002	<b>55-2775*</b>	<b>55-2775-1*</b>	16-24			
Raychem 44A021X, 44/051X	<b>45-176</b>	<b>L-5559</b>	10-14	<b>N/A</b>	<b>N/A</b>	N/A

\*Note: 55-Series frames or replacement blades are not interchangeable with the 45-Series tools

# MIL-Spec Cable to MIL-Spec Primary Wire Cross Reference

Many manufacturers and wire harness projects designed for MIL-Spec work use cable. The most recognised cable standard is M27500. This chart will help identify the primary wires used for each type of cable. Once the primary wires are identified please refer to the MIL-Spec Reference Chart for the proper Custom Stripmaster® or Custom Stripmaster® Lite Wire Strippers.



Symbol Sequence				Specification Sequence			
A	MIL-W-5086/1	NK	MIL-W-81381/21	MIL-W-5086/1	A	MIL-W-22759/43	SP
AA	MIL-W-5086/5	NL	MIL-W-81381/22	MIL-W-5086/2	B	MIL-W-22759/44	SR
AB	MIL-W-5086/6	P	MIL-W-5086/4	MIL-W-5086/3	C	MIL-W-22759/45	SS
AD	MIL-W-5086/7	RA	MIL-W-22759/3	MIL-W-5086/4	P	MIL-W-22759/46	ST
B	MIL-W-5086/2	RB	MIL-W-22759/4	MIL-W-5086/5	AA	MIL-W-22759/80	WB
C	MIL-W-5086/3	RC	MIL-W-22759/11	MIL-W-5086/6	AB	MIL-W-22759/81	WC
CA	MIL-W-22759/13	RE	MIL-W-22759/12	MIL-W-5086/7	AD	MIL-W-22759/82	WE
CB	MIL-W-22759/14	SA	MIL-W-22759/7	MIL-W-8777, MS25471	H	MIL-W-22759/83	WF
CC	MIL-W-22759/15	SB	MIL-W-22759/32	MIL-W-8777, MS27110	F	MIL-W-22759/84	WG
E	MIL-W-22759/2	SC	MIL-W-22759/33	MIL-W-22759/1	EA	MIL-W-22759/85	WH
EA	MIL-W-22759/1	SD	MIL-W-22759/34	MIL-W-22759/2	E	MIL-W-22759/86	WJ
F	MIL-W-8777, MS27110	SE	MIL-W-22759/35	MIL-W-22759/3	RA	MIL-W-22759/87	WK
H	MIL-W-8777, MS25471	SM	MIL-W-22759/41	MIL-W-22759/4	RB	MIL-W-22759/88	WL
JA	MIL-W-25038/1	SN	MIL-W-22759/42	MIL-W-22759/5	VA	MIL-W-22759/89	WM
JB	MIL-W-22759/28	SP	MIL-W-22759/43	MIL-W-22759/6	WA	MIL-W-22759/90	WN
JC	MIL-W-22759/29	SR	MIL-W-22759/44	MIL-W-22759/7	SA	MIL-W-22759/91	WP
JD	MIL-W-22759/30	SS	MIL-W-22759/45	MIL-W-22759/8	TA	MIL-W-22759/92	WR
JE	MIL-W-22759/31	ST	MIL-W-22759/46	MIL-W-22759/9	LE	MIL-W-25038/1	JA
JF	MIL-W-25038/3	TA	MIL-W-22759/8	MIL-W-22759/10	LH	MIL-W-25038/3	JF
LE	MIL-W-22759/9	TE	MIL-W-22759/16	MIL-W-22759/11	RC	MIL-W-81044/5	MD
LH	MIL-W-22759/10	TF	MIL-W-22759/17	MIL-W-22759/12	RE	MIL-W-81044/6	ME
MD	MIL-W-81044/5	TG	MIL-W-22759/18	MIL-W-22759/13	CA	MIL-W-81044/7	MF
ME	MIL-W-81044/6	TH	MIL-W-22759/19	MIL-W-22759/14	CB	MIL-W-81044/8	MG
MF	MIL-W-81044/7	TK	MIL-W-22759/20	MIL-W-22759/15	CC	MIL-W-81044/9	MH
MG	MIL-W-81044/8	TL	MIL-W-22759/21	MIL-W-22759/16	TE	MIL-W-81044/10	MJ
MH	MIL-W-81044/9	TM	MIL-W-22759/22	MIL-W-22759/17	TF	MIL-W-81044/11	MK
MJ	MIL-W-81044/10	TN	MIL-W-22759/23	MIL-W-22759/18	TG	MIL-W-81044/12	ML
MK	MIL-W-81044/11	VA	MIL-W-22759/5	MIL-W-22759/19	TH	MIL-W-81044/13	MM
ML	MIL-W-81044/12	WA	MIL-W-22759/6	MIL-W-22759/20	TK	MIL-W-81381/7	MR
MM	MIL-W-81044/13	WB	MIL-W-22759/80	MIL-W-22759/21	TL	MIL-W-81381/8	MS
MR	MIL-W-81381/7	WC	MIL-W-22759/81	MIL-W-22759/22	TM	MIL-W-81381/9	MT
MS	MIL-W-81381/8	WE	MIL-W-22759/82	MIL-W-22759/23	TN	MIL-W-81381/10	MV

Note: Chart is for reference only.



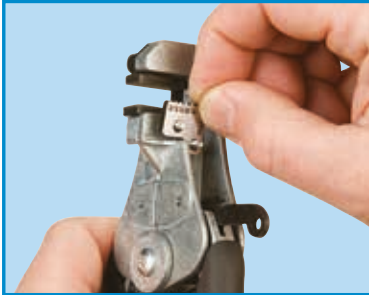
## MIL-Spec Cable to MIL-Spec Primary Wire Cross Reference (continued)

Symbol Sequence				Specification Sequence			
MT	MIL-W-81381/9	WF	MIL-W-22759/83	MIL-W-22759/28	JB	MIL-W-81381/11	MW
MV	MIL-W-81381/10	WG	MIL-W-22759/84	MIL-W-22759/29	JC	MIL-W-81381/12	MY
MW	MIL-W-81381/11	WH	MIL-W-22759/85	MIL-W-22759/30	JD	MIL-W-81381/13	NA
MY	MIL-W-81381/12	WJ	MIL-W-22759/86	MIL-W-22759/31	JE	MIL-W-81381/14	NB
NA	MIL-W-81381/13	WK	MIL-W-22759/87	MIL-W-22759/32	SB	MIL-W-81381/17	NE
NB	MIL-W-81381/14	WL	MIL-W-22759/88	MIL-W-22759/33	SC	MIL-W-81381/18	NF
NE	MIL-W-81381/17	WM	MIL-W-22759/89	MIL-W-22759/34	SD	MIL-W-81381/19	NG
NF	MIL-W-81381/18	WN	MIL-W-22759/90	MIL-W-22759/35	SE	MIL-W-81381/20	NH
NG	MIL-W-81381/19	WP	MIL-W-22759/91	MIL-W-22759/41	SM	MIL-W-81381/21	NK
NH	MIL-W-81381/20	WR	MIL-W-22759/92	MIL-W-22759/42	SN	MIL-W-81381/22	NL

Note: Chart is for reference only.

# Calibration Procedures

## For Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers with Die-Type Blades



### Step 1

Place the lower stationary blade half over the blade mounting studs.



### Step 2

The blade dogleg should be attached first then depressed to seat itself. Slightly depress blade handle to allow the blade to be properly seated. Insert the dogleg of the upper movable blade into the locating slot of the side latch.



### Step 3

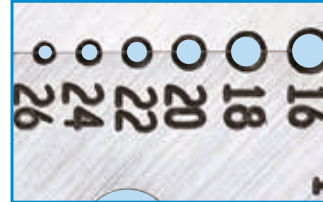
Position the blade retaining plate over the mounting studs. Install split lock-washers and hex nuts onto the mounting studs. Do not tighten hex nuts at this time.



### Step 4

First, position the lower blade half cutting surface in line with the lower gripper pad surface by slightly depressing the gripper handle.

Next, depress both handles just enough to allow the top and bottom blade surfaces to meet. (Exerting too much pressure on the handles could force the bottom blade out of alignment.) Now tighten the hex nuts to a maximum torque value of 10 in. lbs./1.13 newton meter.



### Step 5

Visually check the upper and lower blade alignment by depressing the blade handle only until the blade surfaces make contact. Leaving the

gripper pads in the open position, look at the blade cutting holes and mating surface between holes. This is most effectively accomplished with a light source behind the stripper. Look for light in cracks between the cutting holes. If light can be seen in these areas, inspect the blades' mating surfaces for debris or imperfections. Clean the blades and check for light "leaks" again. If the blades have debris or imperfections, set-up was not correctly performed. In this case, repeat the set-up procedures.

### Step 6

The final checking procedure to confirm proper blade set-up and calibration is to perform a series of strips on wire samples for which the blades were designed. In doing so, be sure the one-step stripping action is smooth with positive slug removal. During the stripping process check that the wire does not slip in the grippers and that the wire is not excessively bent by the gripper pads. Finally, closely inspect the stripped wire to be certain there are no nicks, scrapes or other defects in the conductor.

Should any of the above occur, repeat the blade set-up and calibration procedures. Also, be certain that the sample wire is indeed correctly matched with the cutting blades used. Refer to the blade reference charts on pages 16 through 18 for blade selection guidelines.

### Optical Comparator

Some customers will have access to an optical comparator which can assist in determining proper blade alignment. In this case, light is used to project blade gap onto a screen. A template affixed to the screen verifies blade hole size and position. A fixture should be used for repeat comparisons. This fixture blocks the moveable blade into the stationary blade.

**Caution:** Never plug or mechanically gauge blade holes as this could result in damage to the blade.

With the cutting blades properly set-up and calibrated, the Custom Stripmaster® and Standard Stripmaster® Wire Strippers provide automatic, repeatable and superior quality wire stripping in a wide variety of production applications. Quality control and efficiency are assured.

## Ergo-Elite Stripmaster® Wire Stripper

IDEAL has set the aviation industry's standard in hand-held, precision wire stripping for over 70 years. IDEAL is known for its innovative one-step squeeze-action stripper and patented blade design.

The Ergo-Elite Stripmaster® Wire Stripper offers the latest light-weight, ergonomically engineered wire stripper for the aerospace industry. The tilted wire stripping head in this sleek 5 oz. (147 g) design provides better leverage and clear view for wire positioning. The advanced jaw position ensures a quality strip on a wide range of wire gauges while eliminating potential scraping of the inner conductor and leaving a squared finish.



**Advanced blade design has a built-in guiding system for loading the wire properly into position.**



# Ergo-Elite Stripmaster® Wire Stripper



- Ergonomically engineered for superior comfort, balance and control
- Tool constructed of rigid polyurethane reinforced with carbon fibre providing excellent strength at 40% the weight of metal hand tools
- Unmatched MIL-Spec precision blades with a patented, revolutionary design
- Tilted head assembly maintains a neutral wrist posture allowing an unobstructed view of wire positioning
- One-step stripping action, grips, penetrates and removes wire insulation with unmatched precision in one effortless squeeze

Call IDEAL to coordinate your Ergo-Elite Stripmaster® blade tool configuration to meet your specific application needs at +44 (0)1925 44 44 46.

## Accessories

Description	Cat. No.
Ergo-Elite Stripmaster® Frame only, less blades	LB-4617
Ergo-Elite Stripmaster® Frame w/grit pad, less blades	LB-4618
Ergo-Elite Stripmaster® Frame w/parallel pad, less blades	LB-4619
Gripper Set, Ergo-Elite Stripmaster®, Grit	LB-4620
Gripper Set, Ergo-Elite Stripmaster®, Parallel	LB-4621
Ergo-Elite Stripmaster® Wire Stop	LB-1904

## MIL-Spec Reference Chart

Wire Specification	Cat. No. Complete Assy.	Cat. No. Blade Only	Wire Range AWG	Wire Specification	Cat. No. Complete Assy.	Cat. No. Blade Only	Wire Range AWG
MIL-W-16878/4	55-5560	55-5560-1	16 – 26	ASN-E0261-CF EN2266	55-1773	55-1773-1	16 – 26
AEP System 2112	55-2903	55-2903-1	16 – 24	ASN-E0262-DK	55-1773	55-1773-1	16 – 26
MIL-W-22759/7/8	55-1500	55-1500-1	16 – 22	BMS 13-31	55-1500	55-1500-1	16 – 22
MIL-W-22759/11/12	55-5560	55-5560-1	16 – 26	BMS 13-52	55-2934	55-2934-1	22 – 26
MIL-W-22759/32-46/16/17	55-1987	55-1987-1	16 – 26	BMS 13-48 (10, 8, 6 MIL)	55-1987	55-1987-1	16 – 26
Mil-W-22759/81/82/91/92	55-2693	55-2693-1	16 – 26	BMS 1358	55-2904	55-2904-1	16 – 22
MIL-W-22759/83 thru /90	55-2685	55-2685-1	16 – 26	BMS 1360 type 1-6, 17, 18,	55-2543	55-2543-1	16 – 24
MIL-W-25038/3	55-2902	55-2902-1	16 – 22	BMS 1360 types 7 thru 12	55-2564	55-2564-1	16 – 24
MIL-W-81044/9/10	55-2901	55-2901-1	16 – 24	BMS 13-78	55-2933	55-2933-1	16 – 22
MIL-W-81044/11/12/13	55-1987	55-1987-1	16 – 26	"DL" ASNE EO 437	55-2905	55-2905-1	16 – 22
5 Mil Kapton	55-1633	55-1633-1	16 – 26	PAN 6588TW002	55-2775	55-2775-1	1.2 – 0.2
ASN-E0260-BF	55-1773	55-1773-1	16 – 26	JN 1007 CH	55-2775	55-2775-1	0.2 – 0.12

Tolerances: ± .0008 blade to blade / ±.0009 Cutter Dia; Counter-bore Dia.: ± .0010.

## Lace-Lok® Cable Lacing Fastener

Lace-Lok® Cable Lacing Fasteners are used as secondary supports for cable and wire bundling. They were developed to replace cable ties and hand tied lace, providing ease of installation similar to a cable tie with preferred properties of the lace.

- Small, rounded fastener head reduces damage to wire bundles and surrounding components
- Installs faster and easier than hand typing lace reducing labour costs
- Laces constructed of Nomex® for excellent chemical and temperature resistance as well as low abrasion to wire bundles
- In weight critical applications, compared to cable ties, Cable Lacing Fasteners weigh less and contribute more to overall fuel efficiency
- Cable Lacing Fasteners can be single, double or triple wrapped around wire bundles for increased tensile strength

Nomex® is a registered trademark of E.I. du Pont de Nemours and Co.



**NEW**



**Higher rating  
than most nylon  
cable ties**



**Cable Lacing  
Fastener Tool**  
Patent Pending

**Lace-Lok® Cable Lacing Fasteners can be single,  
double or triple wrapped around wire bundles  
for increased tensile strength**



**Single Wrap**



**Double Wrap**



**Triple Wrap**



# Lace-Lok® Cable Lacing Fastener

Specifications	
<b>Fastener Physical Dimensions (nominal)</b>	
Length (A)	0.276 in. (7.01mm)
Width (B)	0.230 in. (5.84mm)
Height (C)	0.175 in. (4.44mm)
Weight	0.0095 oz. (.0269g)
Overall Length	6 - 44 in. (152-1118mm)
<b>Construction</b>	
Fastener Head	Ultra high temperature thermoplastic, UV resistant black
Lace	NOMEX® White
<b>Environmental</b>	
Operating Temperature	-60° to 260°C (-76°F to 500°F)
Chemical Resistance	Hydraulic fluid, jet fuel, lubricating oil, isopropyl alcohol
<b>Standards &amp; Specifications</b>	
Lace meets MIL SPEC A-A52084 Size 2 Finish C.	
Cable Lacing Fastener compliant with MIL SPEC: Pending.	
Must be installed using IDEAL Installation Tool	

## Ordering Information

Lace-Lok® Cable Lacing Fastener Sizes		Part No. *	Wire Bundle Size	Lace-Lok® Cable Lacing Fasteners per bag	Lace-Lok® Cabling Lacing Fasteners per carton
in.	mm				
6	152	<b>M4-1-06-*</b>	< 1 in.	500	10,000 (20 bags/carton)
10	254	<b>M4-1-10-*</b>	≤ 1 in.	500	10,000 (20 bags/carton)
18	457	<b>M4-1-18-*</b>	≤ 2 in.	500	5,000 (10 bags/carton)
24	610	<b>M4-1-24-*</b>	≤ 3 in.	500	5,000 (10 bags/carton)
44	1118	<b>M4-1-44-*</b>	≤ 4 in.	250	2,500 (10 bags/carton)
Tool		<b>41-499</b>	Cable Lacing Fastener Tool		

\* B = Bag; C = Carton 6 in. (152.4 mm) Cable Lacing Fastener used for single wrap bundles up to 1 in. (25.4mm); 10 in. (254 mm) Cable Lacing Fastener used for double wrap bundles up to 1 in. (25.4mm)

## Cable Ties vs. IDEAL Cable Lacing Fastener

Bundle Diameter in. (mm)	Nylon® Cable Ties		Lace-Lok® Cable Lacing Fastener		
	Length in. (mm)	Tensile Strength lbf. (Newtons)	Length in. (mm)	No. of IDEAL Fastener Wraps	Tensile Strength lbf. (Newtons)
< 1 (< 25.4)	4 (102)	18 (80)	6 (152)	1	39 (173)
1 (25.4)	5 (200)	30 (133)	6 (152)	1	39 (173)
1 (25.4)	7 (200)	50 (222)	10 (254)	2	98 (435)
1.5 (38.1)	7 (200)	50 (222)	18 (457)	2	98 (435)
2 (50.8)	11 (282)	50 (222)	18 (457)	2	98 (435)
2.5 (63.5)	11 (282)	50 (222)	24 (610)	2	98 (435)
3 (76.2)	11 (282)	50 (222)	24 (610)	2	98 (435)
3.5 (88.9)	14 (366)	120 (534)	44 (1118)	3	164 (729)
4 (101.6)	14 (366)	120 (534)	44 (1118)	3	164 (729)

## Weight Comparison - Cable Ties vs. Lace-Lok® Cable Lacing Fastener

Diameter Bundle in inches (mm)	Brand					
	Leading Nylon® Cable Tie Mil Spec Brand			Lace-Lok® Cable Lacing Fastener		
	4 in. (102mm) 18 lbf. (80N)	7 in. (200mm) 50 lbf. (222N)	14 in. (368mm) 120 lbf. (534N)	Single Wrap 39 lbf.	Double Wrap 98 lbf.	Triple Wrap 164 lbf.
0.5 (12.7 mm) – Average Installed Weight	0.16g	0.50g		0.19g	0.22g	
0.5 (12.7 mm) – Weight Comparison				15%	-57%	
1 (25.4 mm) – Average Installed Weight		0.72g			0.26g	
1 (25.4 mm) – Weight Comparison					-63%	
1-1/2 (38.1 mm) – Average Installed Weight		0.95g	1.90g		0.31g	0.39g
1-1/2 (38.1 mm) – Weight Comparison					-67%	-79%

## T<sup>®</sup>-Cutter Wire Cutter

- Hardened steel, shear-type blades
- Spring-loaded automatic opening
- Convenient plier nose for extra gripping strength
- Corrosion-resistant, black oxide finish
- Locking tab keeps spring in place



Description	Cat. No.
T <sup>®</sup> -Cutter Wire Cutter	45-123

## T<sup>®</sup>-Cutter Lite Wire Cutter

- Knife-type blade provides a shear-type cut
- Lightweight, compact design
- Perfect for copper and aluminium wire



Description	Cat. No.
T <sup>®</sup> -Cutter Lite Wire Cutter	45-260

## V-Notch Cutter

- V-Notch area reduces force required to cut.
- Lightweight compact design
- High visibility handles
- Cushioned-grip



Description	Cat. No.
V-Notch Cutter	45-353

## MiniLite-Strip<sup>™</sup> Optical Fibre Stripper

- Small strip notch engineered and precision-ground to strip 900 micron or 250 micron buffer coatings from 125 micron fibre
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locked, no field adjustment necessary



Description	Cat. No.
MiniLite-Strip <sup>™</sup> Optical Fibre Stripper	45-352

## T<sup>®</sup>-Stripper Wire Strippers

- Form-ground, knife-type blades for accurate, easy stripping without nicking insulation
- Built-in wire cutter and looping holes
- Convenient plier nose for extra gripping strength
- Laser-etched wire gauge for easy-to-read visibility
- Spring-loaded automatic opening
- Corrosion-resistant, black oxide finish
- Tough steel construction



Description	Solid	Stranded	Cat. No.
T <sup>®</sup> -Stripper Wire Stripper – Metric	0.75-6.0mm <sup>2</sup>		45-120-341
T <sup>®</sup> -Stripper Wire Stripper – Metric	0.5-4.0mm <sup>2</sup>		45-125-341

## Reflex<sup>™</sup> Premium T<sup>®</sup>-Stripper Wire Strippers

- Ergonomic design for maximum comfort
- Curved handles reduce wrist fatigue
- Sleeves that extend to stripping head to cushion thumb and fingers
- Textured, no-slip sleeves provide a sure, easy grip



Description	Solid	Stranded	Cat. No.
Reflex <sup>™</sup> Premium T <sup>®</sup> -Stripper Wire Stripper	10-18 AWG	12-20 AWG	45-415
	14-24 AWG	16-26 AWG	45-416
	6-14 AWG	8-16AWG	45-418
Reflex <sup>™</sup> Premium T <sup>®</sup> -Stripper – Metric	0.5mm <sup>2</sup> -4.0mm <sup>2</sup>		45-425-341

## Data T<sup>®</sup>-Cutter

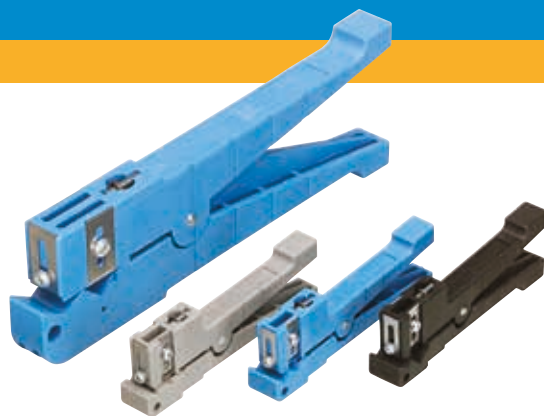
- Cuts round communication cable and maintains cable geometry for better cable performance
- Blade cutting capabilities suitable for soft cable (not ACSR)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Cushioned comfort grip handles
- Locking latch keeps tool closed in pouch



Description	Cat. No.
Data T <sup>®</sup> -Cutter	45-074

## Adjustable Blade Strippers

- Four models cover cable diameters up to 9/16 in.
- All models include two adjustable depth blades and one adjustable slitting blade
- Common uses are for fibre jackets, mini-coax prep, twisted pair cables and other speciality copper cables where standard stripping products are not available
- Replacement blades available for all models



Description	Typical RG Cables	Replacement Blade*	Cat. No.
Cable Stripper, up to 1/8 in. (3.2mm) O.D (Gray)	RG-174, RG-187	L-9225	45-162
Cable Stripper, 1/8 in. (3.2mm) to 7/32 in. (5.556mm) O.D. (Blue)	Mini Coax RG-58,CB	L-9225	45-163
Big Blue Cable Stripper, 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D. (Blue)	RG-11, RG-8	L-9226	45-164
Cable Stripper, 3/16 in. (4.8mm) to 5/16 in. (8mm) O.D. (Black)	RG-59/6, UTP Cable	L-9225	45-165

\*A set of blades consists of three straight blades and one round blade.

## Stripmaster® Omega

- Die-type blades help provide proper alignment and a quality strip
- Blades sold separately
- Submit wire samples to determine the proper precision blade for application
- Precision blades available for use with Mil-Spec wire



Replaceable blades (sold separately)



Description	Cat. No.
Stripmaster® Omega Wire Stripper	65-0150

## FREE Application Engineering Service

Whatever your particular wire or cable preparation challenge, we're ready to assist you with practical solutions. Simply send us at least five feet (1.5 m) of your wire or cable and complete the questionnaire below. Copy this form and send to:

**IDEAL INDUSTRIES**

**Unit 3, Europa Court, Europa Boulevard  
Westbrook, Warrington, WA5 7TN, Cheshire  
United Kingdom**

We'll recommend a practical stripping or cutting solution designed to meet your needs. Remember, this is a free service that we provide whenever you need it.

**For immediate assistance, call us on +44 (0)1925 44 44 46 or e-mail [uksales@idealnwd.com](mailto:uksales@idealnwd.com)**

### Wire Stripping Recommendations

Completion of this information is a request for recommended tools or equipment only and does not place the individual or the company inquiring under any obligation to purchase. This is a free service of IDEAL INDUSTRIES.

Please enclose at least **five feet (1.5 m) of your wire or cable** and answer the following questions to expedite a reply for your particular application.

**1. Method Preference:**

**A. Hand Type**

**B. Production Strippers**

**1. 45-935 STP Stripping System**

**2. 45-950 Stripmaster® Model 950 Wire Stripper**

**2. Stripping Tolerance:**

**A. Precision**

**B. Non-Precision**

**3. Present Method:** \_\_\_\_\_

**4. Type of Insulation:** \_\_\_\_\_

Customer Information

Please enclose business card or complete the following:

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ Post code \_\_\_\_\_

County \_\_\_\_\_ Country \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

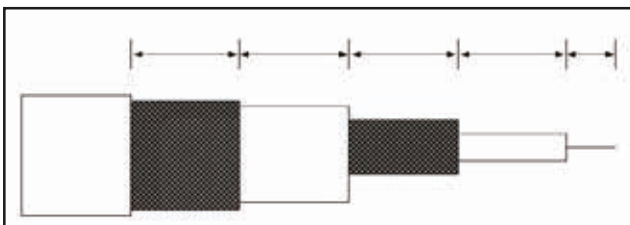
E-mail \_\_\_\_\_

**5. Wire Gauge:** \_\_\_\_\_

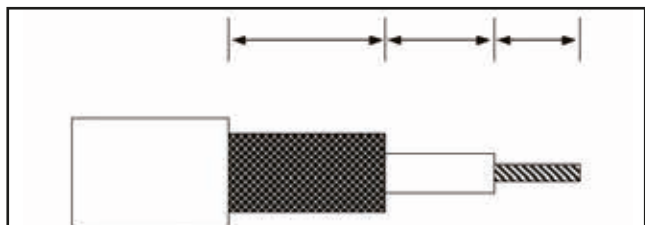
**6. MIL-Spec:** \_\_\_\_\_

**7. Number of Strips per Day:** \_\_\_\_\_

**Triaxial Cable**



**Coax Cable**



**5. Remarks:** \_\_\_\_\_

\_\_\_\_\_

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