

Mil-Aero PRECISION WIRE PROCESSING



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The way every job should be.

Performance

Every day, you count on your wire processing tools to be reliable and accurate. We go to great lengths to make sure each of our products uphold those standards and remains simple and easy-to-use. After all, you should be spending your time concentrating on the job, not the tools.

Product

When you buy IDEAL, you get more than a quality instrument. Service is part of all products bearing the IDEAL logo. We provide a free wire application service to help you decide which of our products will solve your needs. We also offer helpful seminars and in-field training to help you get the most from our tools.

Pride

We develop solutions to meet Mil-spec wire stripping requirements. We continue to work with aerospace engineers to develop solutions for their demanding wire stripping needs. That dedication will always be a part of the IDEAL name.

Outstanding products, comprehensive technical service and the trusted name of IDEAL — The way every job should be.



Table of Contents

Stripmaster® 950 Wire Stripper	6-7
STP Stripping System	8-9
WireMaster™ Laser & Wire Cable Stripping System .	10-11
STP Jacket Remover.....	12-13
Ringer™ Shielded Cable Strippers.....	14
Wire Stripping Basics.....	16
Custom Stripmaster® Wire Strippers Basics	17
Custom Stripmaster® Wire Strippers.....	18-20
Custom Stripmaster® Lite Wire Strippers.....	21
MIL-Spec Application Guide	22-24
MIL-Spec Cable to MIL-Spec Primary Wire Cross	25
Additional Wire Stripping Basics	26
Calibration Procedures.....	27
Accessories	28-29
Ergo-Elite Stripmaster® Wire Stripper	30-31
Stripmaster® and Stripmaster® Lite Wire Strippers ..	32-34
Wire Strippers	35-39
Alphabetical Index	40
Catalogue Number Index	41-42
Free Application Engineering Service	43

PRECISION

Selecting the right wire or cable to meet the design specifications in manufacturing any electrical or electronic assembly is only the first step. Just as important as choosing the proper wire or cable is how that wire or cable is prepared. Faulty stripping, cutting and crimping must be eliminated to achieve maximum performance from the wire or cable. In production situations precision wire preparation is essential. The key to consistent precision wire preparation lies in the tool used. That's where this guide can be of value to you.

This guide gives you basic information on common wire preparation problems and how to eliminate them by choosing the right IDEAL tool for each job. IDEAL offers the broadest range of wire stripping tools available. IDEAL is the one source for wire preparation tools and equipment.

This guide is geared to in-plant training of production foremen, tool room employees, calibration inspectors and assembly personnel.



RELIABILITY



PRODUCTIVITY

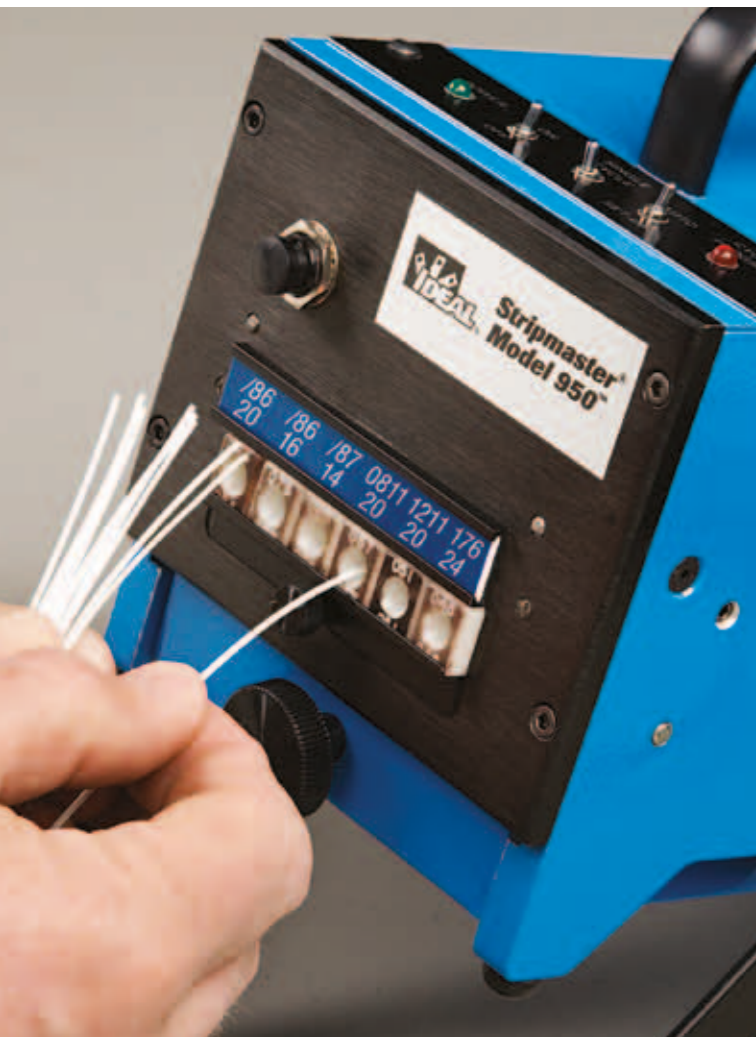
Wire Diameters Affect Stripping Requirements

A variety of factors determine just how precisely a wire can be stripped. Among these are gauge, insulation type, concentricity and others. It would seem that common wire gauges would have equal measurements. This is a common misconception. 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.



ERGONOMICS

Stripmaster® 950 Wire Stripper



Our top engineers designed this electrically operated, pneumatic precision wire stripping unit 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.

- 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. min. to .630 in. (3.175 mm min. to 16 mm) max.
- Enclosed blade and wire stripping area
- Individual adjustable strip lengths for each port
- Eliminates repetitive motion disorders



Customised identification label configured to each customers requirements.

Description	Cat. No.
Stripmaster® with individually adjustable strip lengths per stripping hole*	45-950
Stripmaster® with permanent gripper assembly installed	45-954
Accessories	
Standard blade and bushings	Consult Factory
Permanent Gripper Assembly	45-950-4
Air filter/regulator	45-906
220V, 50Hz Transformer	45-951
T®-Cutter Lite Wire Cutter	45-260
Hex Key Set	691.020

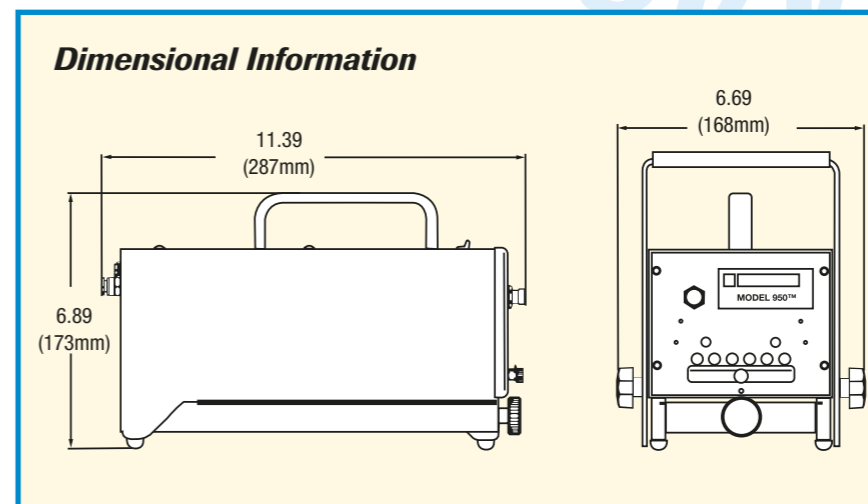
* 3 ft (1 metre) of wire for each wire stripping hole must be supplied at time of order.

Technical Data	
Strip Lengths:	Minimum: .125 in. (3mm) Maximum: .630 in. (16mm)
Capacities:	Minimum: 30 AWG (.05mm ²) Maximum: 10 AWG (6.0mm ²)
Accuracy:	Meets Military Specifications in most applications.
Voltage:	12V required for operation. 120V/60Hz transformer supplied as standard. For 220V/50Hz application, order 45-951 transformer.
Air Pressure:	65 PSI max. / 4.4816 Bar max.
Air Filter:	Recommended, but not required.
Blade Type:	Heat treated steel knife or die-type blades are available.
Guide Bushings:	Precision moulded and machined Delrin.
Dimensions:	Width: 6.6 in. (168mm) Depth: 11.3 in. (287mm) Height: 6.8 in. (173mm)
Weight:	13 lbs. (5.90 Kgs)
Warranty:	1-year limited warranty

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

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Permanent Gripper Assembly (45-950-4)

A permanent gripper (available for the 45-950 helps with the 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.



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



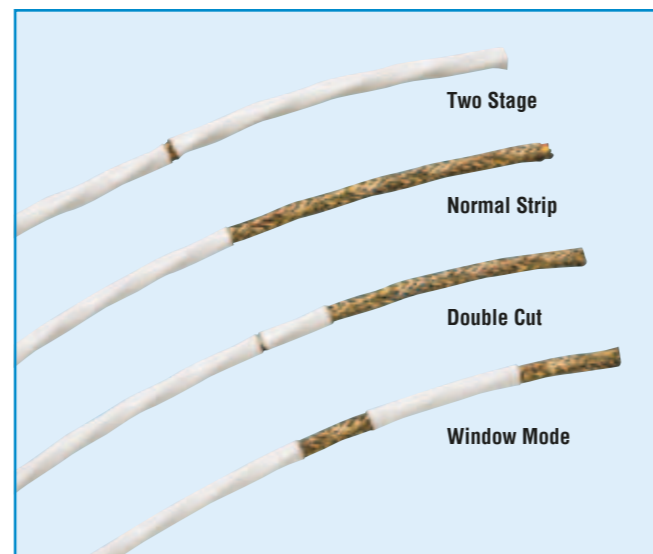
Die-type blades help provide proper alignment and a quality strip.

STP Stripping System

- Programmable Shielded Twisted Pair cable stripping system meets strict tolerances
- Hot-blade thermal cable stripping system adjusts to protect shielded cable for accurate stripping every time
- Automatically adjusts for cable up to .3125 in. (7.9mm) diameter
- Cycles in as little as six seconds
- Stores up to 500 batch programs
- Fits in a 24 in. (60 cm) workspace



Precision Stripping Applications



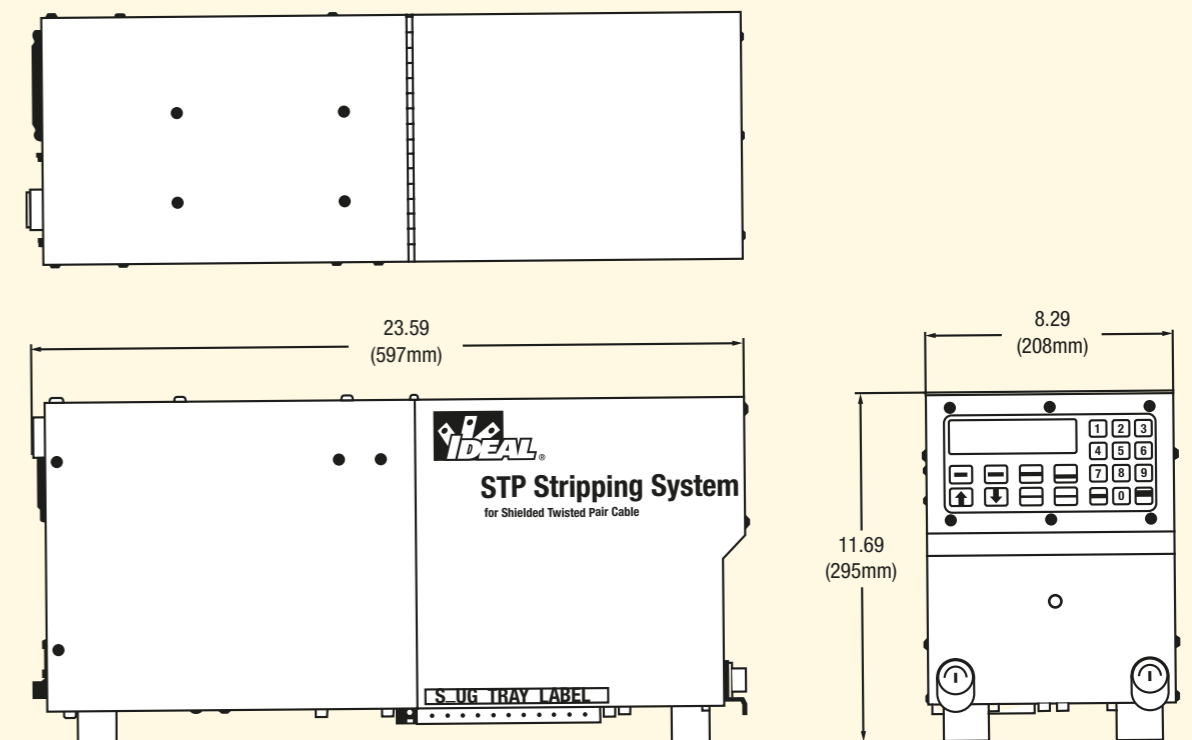
Description	Cat. No.
Shielded Twisted Pair Cable Stripping System w/one set of blades, one set of front and rear gripper pads, power cord, 6 ft. (1.8 m.) air hose, slug ejector tray, T [®] -Cutter Lite Wire Cutter, keys and operation manual	
STP, 230 VAC, 50 Hz 2A	45-935
Air Regulator	45-906
Replacement Blade Set	K-7763
Replacement Front Grip Pad (two required)	LA-2408
Replacement Standard Rear Grip Pad (six required)	LA-2414
Replacement Optional Firm Rear Grip Pad (six required)	LA-2808
Gripper Slug Remover	45-333
T [®] -Cutter Lite Wire Cutter	45-260
Mounting Bracket	K-6809

- 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.

Technical Data	
Strip Lengths:	Minimum: 1.25 in. (31.7mm) Maximum: 6.00 in. (152.4mm)
Strip Diameter Range:	Minimum: 0.06 in. (1.5mm) Maximum: 0.3125 in. (7.9mm)
Voltage:	Selectable power supply is equipped with an EIC power line receptacle and can easily switch between 110–120V 60Hz to 220–240V 50Hz.
Air Requirements:	Air must be clean, dry and pressure regulated to 100 PSI (6.8948 Bar). An optional air regulator (IDEAL Part No. 45-906) is available.
Blade Type:	Thermal/mechanical
Dimensions:	Width: 10.5 in. (261mm) Depth: 23.5 in. (597mm) Height: 12.25 in. (318mm)
Weight:	65 lbs. (29.5 Kgs)
Warranty:	1-year limited warranty



Dimensional Information



WireMaster™ Laser Wire & Cable Stripping System

- Benchtop configuration
- Programmable up to 999 recipes
- Longitudinal or spiral slit for easy removal of insulation
- Easily strip from 0.005 in. (0.127 mm) to 0.150 in. (0.786 mm) diameters
- Makes a complete 360° cut
- Single hole insertion, requires no fixturing



Laser strip all types of wire and cable!



Description	Cat. No.
WireMaster™ I Laser Wire Stripper	45-560
WireMaster™ II Laser Wire Stripper w/Slitting Capabilities	45-561

Single strand wires can be stripped in less than one second!



Strip & Slit



Spiral

Strip & Slit Wires

- Remove long length stripped ends easily with strip & slit
- No more scalpels and tweezers, and no more wire damage
- Any size and length - simple changeover in seconds
- Slit variations selectable for your specific requirements

WIREMASTER

"Precision Stripping for Aerospace • Defense • Medical • Automotive & More!"

Mechanical, thermal and chemical wire stripping processes can cause damage to the underlying conductor. That damage can affect electrical component performance causing unacceptable conductor failures in mission critical electronics. Laser wire stripping technology guarantees the elimination of these problems.

The WireMaster™ Laser Wire & Cable Stripper produces a CO2 laser light which vaporises insulation material while harmlessly reflecting off the metal conductor. Laser technology eliminates the need for replacement blades while producing the highest quality insulation removal. Simply, laser technology delivers the absolute best quality and most precise wire stripping available.

Virtually all types of wire insulation can be removed quickly and efficiently using laser technology - single conductor, multi-core, twisted pairs, coaxial cable and much more. The WireMaster™ Laser Wire & Cable Stripper can strip wires with diameters as low as 0.001 in. (0.01 mm) and can hold tolerances as tight as 0.001 in. (0.01 mm). The non-contact process yields the most flexible, highest quality and most reliable method of stripping and slitting available. Strips made with the WireMaster™ Laser Wire & Cable Stripper will meet the toughest conductor damage requirements of the FAA, NASA, and the DoD.

Specifications

	WireMaster™ I	WireMaster™ II
Mechanical		
Laser	10W CO2	10W CO2
Dimensions	Width: 15.5 in. (368mm) Height: 12 in. (305mm) Length: 24 in. (610mm)	Width: 15.5 in. (368mm) Height: 13 in. (330mm) Length: 28 in. (711mm)
Weight	70 lbs. (31.75 Kgs)	103 lbs. (46.72 Kgs)
Facility Requirements	110-240V, 50/60 Hz 10 Amp. 1 phase Vacuum (optional) Compressed Air / Nitrogen Required	110-240V, 50/60 Hz 10 Amp. 1 phase Vacuum Required Compressed Air / Nitrogen Required
Wire Size (Outside Dia.)	0.005 in. - 0.150 in. (0.127mm - 0.786mm) Others optional	0.005 in. - 0.150 in. (0.127mm - 0.786mm) Others optional
Wire Configuration	Single Core	Single Core, Multi Conductor, Coaxial, others optional
Insulations	Teflon (PTFE), Tefzel (ETFE), Polyimide, Kapton, others optional	Teflon (PTFE), Tefzel (ETFE), Polyimide, Kapton, others optional
Stripping Lengths/Methods	Single End Wire 0.062 in. - 1.0 in. (1.57mm - 25.4mm)	Single End Wire 1.0 in. - 6.0 in. (25.4mm - 152.4mm) Cable Shield Stripping up to 6 in. (152.4mm) Shielded Wire, T-Strip, Spiral

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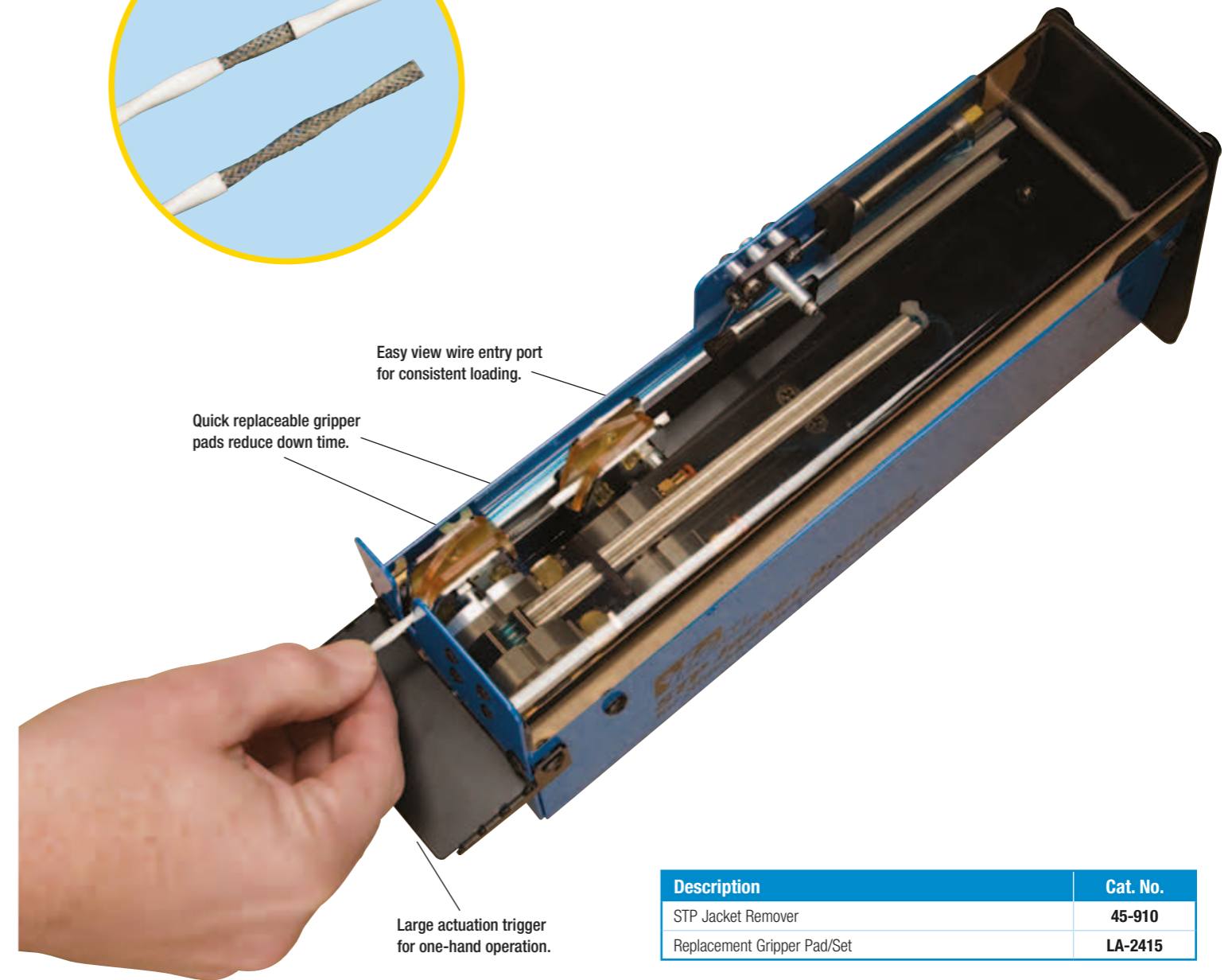
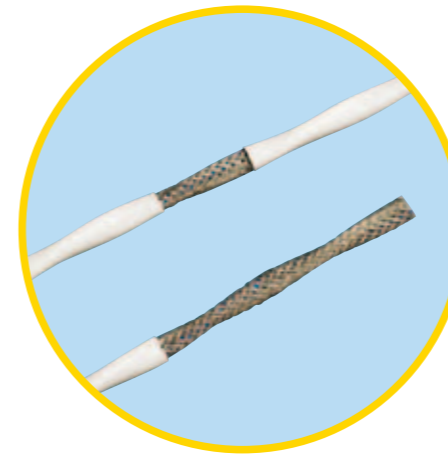
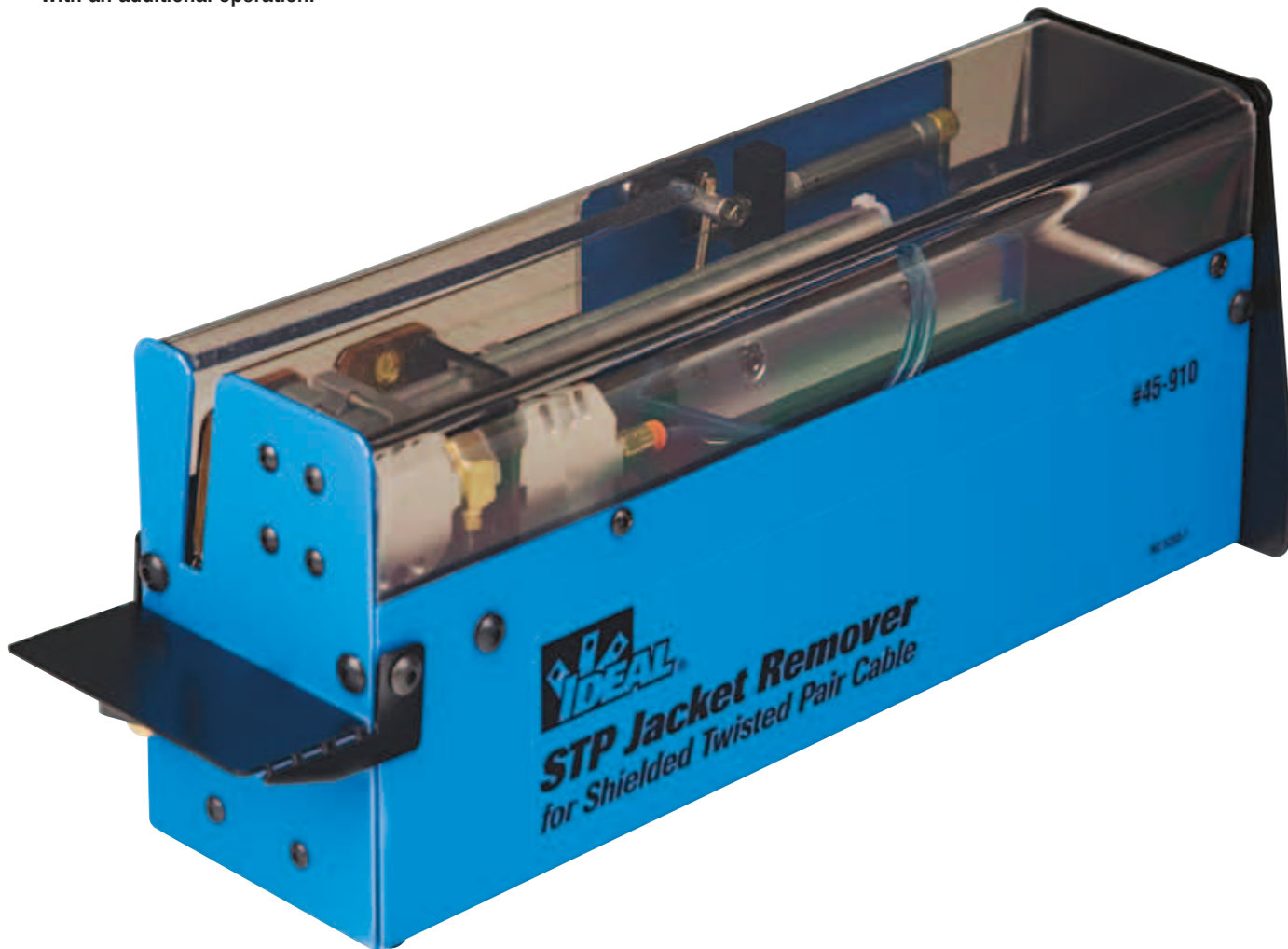
STP Jacket Remover

The STP Jacket Remover offers the perfect solution for removing the outer jacket of Shielded Twisted Pair (STP) Cables.

The compact, user friendly pneumatic STP Jacket Remover reduces the effect of Repetitive Motion Disorder by eliminating the manual removal of difficult STP jacket insulations up to .250 in. (6.35 mm) diameter.

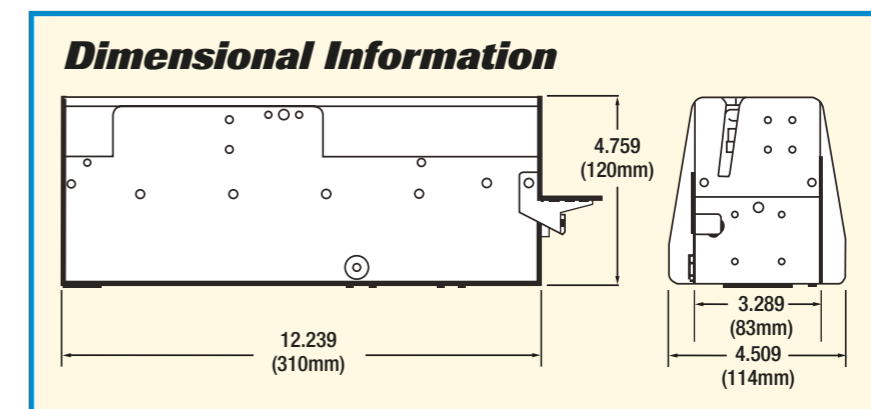
The partial strip mode slides the outer jacket up to .250 in. (6.35 mm) creating a window strip application. Its compact design requires minimum bench space with an option of vertical storage when not in use.

- Designed for removing the outer jacket of Shielded Twisted Pair (STP) cable
- Partial strip mode
- Compact bench machine design
- Easy view wire entry port
- Deep storage tray
- Removes outer jacket insulation up to .250 in. (6.35 mm) diameter
- Removes insulation jacket up to .5 in. (12.7 mm) min. to a 4.5 in. (114.3 mm) slug length. Capable of removing up to 6 in. (152.4 mm) max. slug length with an additional operation.

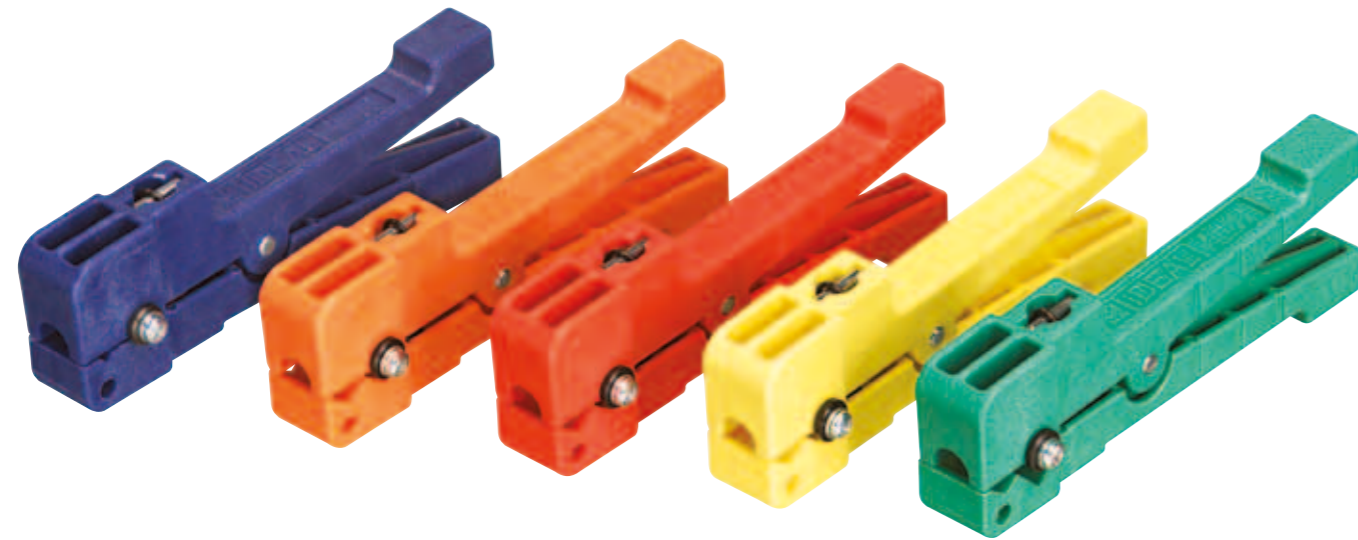


Description	Cat. No.
STP Jacket Remover	45-910
Replacement Gripper Pad/Set	LA-2415

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Ringer™ Shielded Cable Strippers



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

- 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 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. (3.05 mm)	sold separately	(Blue)	45-400
Cable Stripper, Cable diameters from 0.12 in. to 0.22 in. (3.05 mm to 5.588 mm)	sold separately	(Red)	45-403
Cable Stripper, w/"deep V" for cable diameters up to 0.30 in. (7.62 mm)	sold separately	(Green)	45-404

45-400
For cable diameters up to 0.12 in. (3.05 mm)
Blades sold separately.

45-402
For 8-10 Mil insulation thickness, including Kynar®. Comes with K-6493 blade. Cable diameter from 0.012 in. to 0.22 in. (3.05 mm to 5.588 mm).

45-404
With "deep-V" for larger cable diameters; up to 0.30 in. (7.62 mm) Blades sold separately.

45-401
For 5 Mil insulation thickness, including Kapton®. Comes with K-6492 blade. Cable diameter from 0.012 in. to 0.22 in. (3.05 mm to 5.588 mm).

45-403
For cable from 0.012 in. to 0.22 in. (3.05 mm to 5.588 mm) diameter. Blades sold separately.

Teflon® and Kapton® are registered trademarks of E.I. duPont de Nemours and Company. Kynar® is a registered trademark of Pennwall.

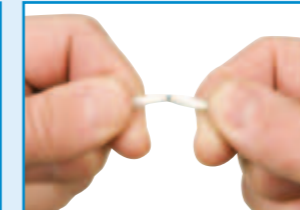
Ringer™ Shielded Cable Strippers

Stripping Applications

Score Cut



Rotate the tool down and away from you. Only two or three revolutions of the tool are usually required to score the insulation.



Remove the tool and bend cable at high spots on the score line, breaking the insulation loose.

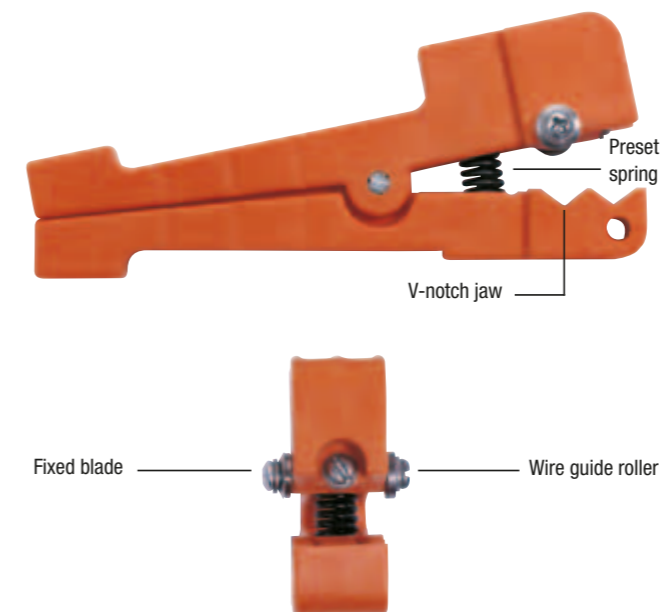
Axial Cut



Use the front blade (sold separately). Can be used for making a lengthwise cut to remove long insulation slugs. Place cable in front notch, press tool head together and pull tool through to end of cable, flex along cut line.



Use IDEAL Gripper™ Slug Remover to grasp slug and pull (sold separately).



Fixed blade Wire guide roller

Blades – For use with any Ringer™ Shielded Cable Stripper. Select blade with cutting depth less than insulation thickness. Contact IDEAL INDUSTRIES NETWORKS DIVISION for FREE Application Engineering Service, blade selection and special stripping requests.



Replacement Blades

Cutting Depth	Cat. No.	Cutting Depth	Cat. No.
.0030 in./0.08 mm	K-6491	.0100 in./0.25 mm	K-6497
.0044 in./0.11 mm	K-6492	.0110 in./0.28 mm	K-6498
.0060 in./0.15 mm	K-6493	.0120 in./0.30 mm	K-6499
.0070 in./0.18 mm	K-6494	.0130 in./0.33 mm	K-6500
.0080 in./0.20 mm	K-6495	.0140 in./0.36 mm	K-6501
.0090 in./0.23 mm	K-6496	.0160 in./0.41 mm	K-6502

Cutting Depth	Cat. No.
.0180 in./0.46 mm	K-6503
.0200 in./0.51 mm	K-6504
.0220 in./0.56 mm	K-6505
.0250 in./0.64 mm	45-2108-1
.0050 in./0.13 mm	45-2780-1
.0054 in./0.14 mm	45-2777-1

Select blade with cutting depth less than insulation thickness.



IDEAL Gripper™

Description	Cat. No.
Slug Remover	45-333

Wire-Stops

Description	Cat. No.
Up to 2½ in. (65 mm)	LB-825
2½ in. to 5 in. (65-130 mm)	LB-840

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, and guidance systems, and communications systems are examples of products where precision wire stripping is required. In many cases, the military standard is called for. 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. Required here are 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.

For "Common wire stripping defects", "Insulation damage" and "Wire diameter affects stripping requirements", see page 26.



Custom Stripmaster® Wire Strippers Basics

The first of the "controlled action" hand strippers is the Custom Stripmaster® Wire Stripper. Die-type blades allow this tool to perform precision stripping. The design incorporated a counter-bore hole acting as a support, centering the conductor and preventing the blade cutting surface from contacting the surface of the conductor. Die-type blades are manufactured in matched sets to assure accuracy and precision stripping. The Custom Stripmaster® Wire Stripper has simple, one-squeeze operation. Just insert wire between blades to desired length, squeeze handles and release.

Because of the wide variety of wire used today, there is a great need for "specials." These can consist of almost any combination of hole sizes with almost any combination of cutting hole and counterbore dimensions.

Contact IDEAL INDUSTRIES NETWORKS DIVISION for Free Application Engineering Service.



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Custom Stripmaster® Wire Strippers

The Custom Stripmaster® Wire Stripper has set the industry standard in hand-held, precision wire strippers for 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 on frames with the thin stationary gripper pad for larger wire (10–14 AWG). Black handles are used on frames with the thick stationary gripper pad for smaller wire (16–30 AWG).

When replacing blades, care must be exercised to put them into the correct frame with the correct gripper set.

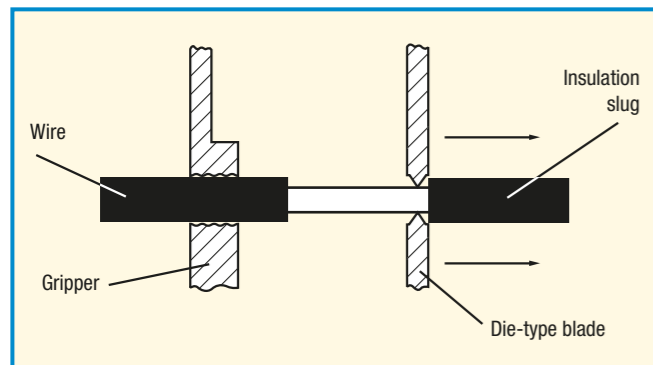
Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.



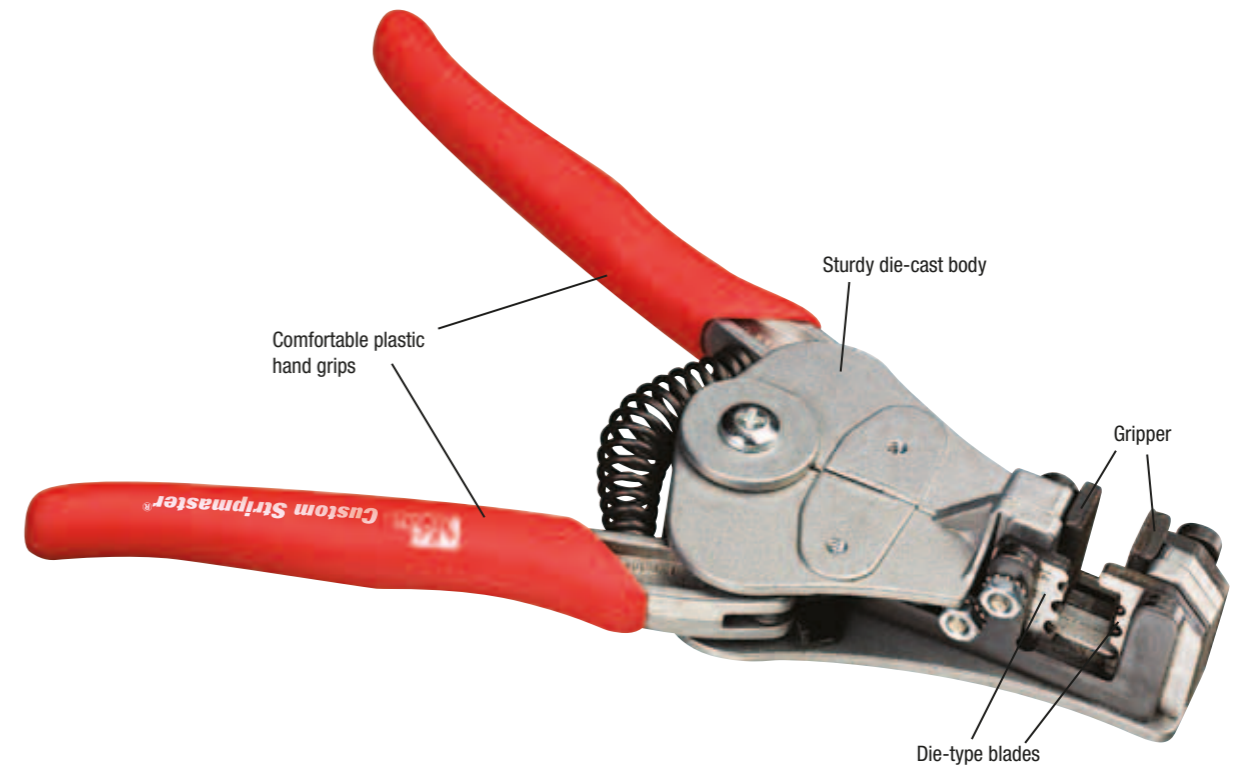
Gripper pads hold the wire securely in a centreline relationship with the blade.



Die-type blades incorporate a counterbored hole sized to the insulation and an inner cutting hole sized to the conductor. This varies depending on insulation type and thickness.



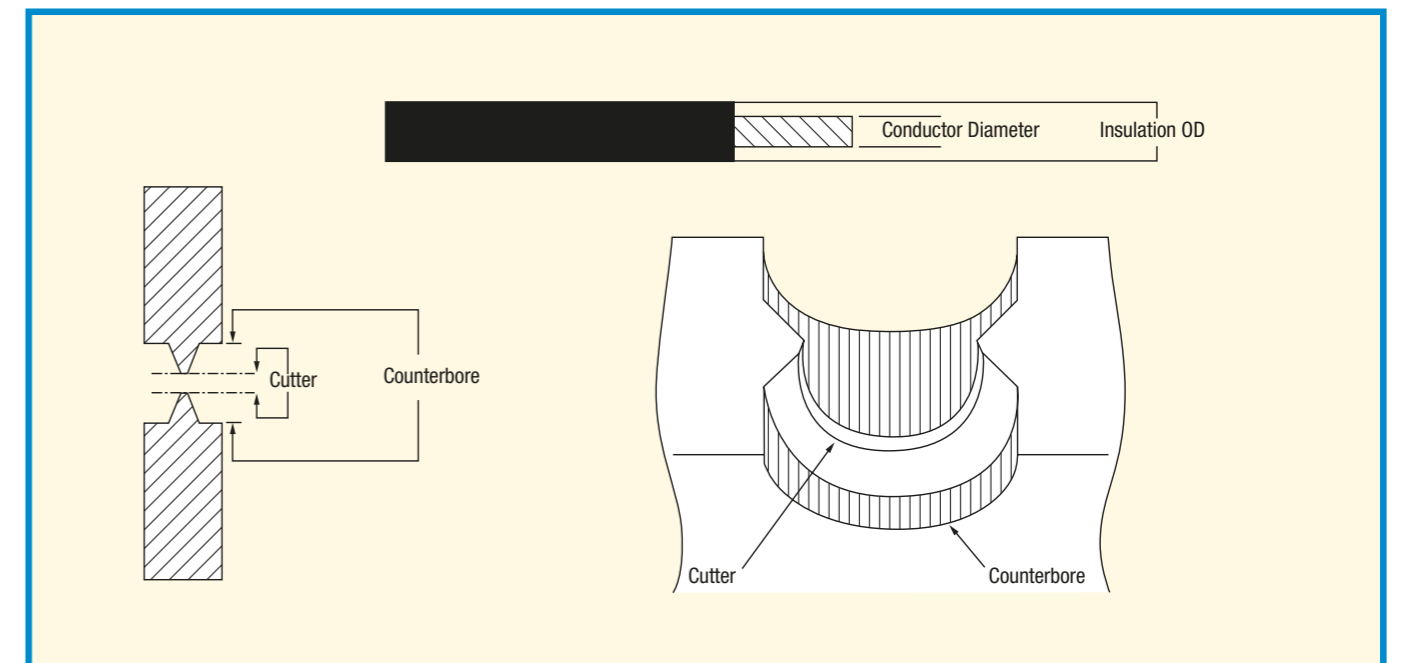
Custom Stripmaster® Wire Strippers



For over sixty years IDEAL INDUSTRIES INC. has been the leader in precision wire stripping. Utilising die type blades in our Custom Stripmaster®, Custom Stripmaster® Lite Wire Stripper, and our Stripmaster® 45-950 Wire Strippers allow us to offer the best strip available today.

There are two critical components to each opening to strip wire with die type blades, the cutting hole and the counterbore. Cutting holes cut the insulation to be removed and are sized to

be just slightly larger in diameter than the conductor diameter. Counterbores play a very important roll. Counterbores are sized based upon the outside diameter of the finished wire, and are sized to be slightly larger than the outside diameter of the finished wire. Counterbores are necessary to keep proper alignment while the tool actuates, insuring that the user does not scrape, nick or do any other damage to the conductor.



Custom Stripmaster® Wire Strippers

Wire Size AWG / Stripping Hole Diameter in inches											Stripper Cat. No.	Blade Only Cat. No.
30	28	26	24	22	20	18	16	14	12	10		
								.076 .0935	.096 .113	.119 .136	45-176	L-5559
		.023 .039	.028 .043	.034 .052	.042 .0595	.052 .070	.061 .081				45-177	L-5560
.016 .032	.019 .035	.023 .039									45-178	L-5561
								.076 .104	.096 .125	.119 .144	45-173	L-5562
		.023 .0465	.028 .055	.034 .0595	.042 .067	.052 .0785	.061 .089				45-174	L-5563
.016 .042	.019 .043	.023 .0465									45-175	L-5564
								.076 .113	.0937 .138	.116 .154	45-170	L-5210
		.022 .052	.0292 .0595	.035 .0635	.042 .073	.052 .086	.062 .096				45-171	L-5211
.016 .037	.020 .040	.024 .043									45-172	L-5210
.012 .020	Three identical holes										45-179	L-7625
.012 .019	.014 .023	.018 .025	.024 .033	Solid wires							45-169	L-9300

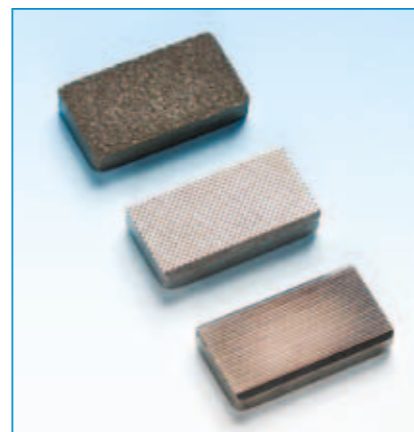
Tolerances: Cutter Dia.: ± .001; Counter-bore Dia.: ± .002

Wire Size AWG / Stripping Hole Diameter in mm											Stripper Cat. No.	Blade Only Cat. No.
30	28	26	24	22	20	18	16	14	12	10		
								1.93 2.37	2.44 2.87	3.02 3.45	45-176M	L-5559
		.584 .99	.711 1.09	.863 1.32	1.07 1.5	1.33 1.78	1.55 2.06				45-177M	L-5560
.406 .813	.482 .889	.584 .99									45-178M	L-5561
								1.93 2.64	2.44 3.17	3.03 3.6	45-173M	L-5562
		.584 1.17	.711 1.39	.863 1.5	1.07 1.70	1.33 1.99	1.55 2.49				45-174M	L-5563
.406 1.07	.482 1.09	.584 1.17									45-175M	L-5564
								1.93 2.87	2.38 3.45	2.94 3.91	45-170M	L-5210
		.56 1.32	.736 1.5	.889 1.61	1.07 1.85	1.33 2.18	1.57 2.44				45-171M	L-5211
.406 .940	.508 1.01	.609 1.09									45-172M	L-5436
.305 .508											45-179M	L-7625
.305 .482	.356 .584	.457 .635	.609 .838								45-169M	L-9300

Tolerances: Cutter Dia.: ± .025 mm; Counter-bore Dia.: ± .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.

The 45-170 Series is a Custom Stripmaster® Wire Stripper frame without the short stop latch and wire stop.
See page 29 for separate details regarding the short stop latch and wire stop.

45-169 through 45-179 include grit-type pads (standard).
See page 28 for further details on pads.



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 specially for improved operator comfort.

It utilizes 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 little stripper weighs 50% less than its full-sized counterparts, and will impress you with both its ease of operation and durable performance.

- At 3/4's of the size of the Custom Stripmaster®, its compact size more comfortably fits the human hand. A much shorter stroke is also required for a complete strip, which increases wire stripping productivity.
- Requiring 1/3 less hand pressure for each wire stripping action.
- Strips 16-30 AWG, solid or stranded wire. Choose from a wide selection of precision blade configurations or contact the factory for die-type blades to match your needs.
- Optional short stop latch
- Cushioned comfort-grip handles
- Replaceable grippers



Wire Size AWG / Stripping Hole Diameter in inches								Stripper Cat. No.	Blade Only Cat. No.
30	28	26	24	22	20	18	16		
				.034 .052	.042 .0595	.052 .070	.061 .081	45-638	LB-918
		.023 .039	.028 .043	.034 .052	.042 .0595			45-639	LB-919
.016 .032	.019 .035	.023 .039	.028 .043					45-640	LB-920
				.034 .0595	.042 .067	.052 .0785	.061 .089	45-635	LB-915
		.023 .0465	.028 .055	.034 .0595	.042 .067			45-636	LB-916
.016 .042	.019 .043	.023 .0465	.028 .055					45-637	LB-917
				.035 .0635	.042 .073	.052 .086	.062 .096	45-632	LB-912
		.022 .052	.0292 .0595	.035 .0635	.042 .073			45-633	LB-913
.016 .037	.020 .040	.024 .043	.0292 .0595					45-634	LB-914
.012 .020	4 holes, same size							45-641	LB-921
.012 .019	.014 .023	.018 .025	.024 .0334	(solid wire)				45-631	LB-911

Tolerances: Cutter Dia.: ± .001; Counter-bore Dia.: ± .002

Wire Size AWG / Stripping Hole Diameter in mm								Stripper Cat. No.	Blade Only Cat. No.
30	28	26	24	22	20	18	16		
				0.86 1.32	1.07 1.51	1.32 1.78	1.55 2.06	45-638	LB-918
		.58 0.99	.71 1.09	.86 1.32	1.07 1.51			45-639	LB-919
.41 0.82	.48 0.89	.58 0.99	.71 1.09					45-640	LB-920
				.86 1.51	1.07 1.71	1.32 1.99	1.55 2.26	45-635	LB-915
		.58 1.18	.71 1.40	.86 1.51	1.07 1.70			45-636	LB-916
.41 1.07	.48 1.09	.58 1.18	.71 1.40					45-637	LB-917
				.89 1.61	1.07 1.85	1.32 2.18	1.57 2.44	45-632	LB-912
		.56 1.32	.74 1.51	.89 1.61	1.07 1.85			45-633	LB-913
.41 0.86	.51 1.02	.61 1.09	.74 1.51					45-634	LB-914
.30 0.76	4 holes, same size							45-641	LB-921
.30 0.48	.36 0.58	.46 0.64	.61 0.84	(solid wire)				45-631	LB-911

Tolerances: Cutter Dia.: ± .025 mm; Counter-bore Dia.: ± .051 mm

MIL-Spec Application Guide

Wire Specification	Ergo-Elite, 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
MIL-W-81044/4/5/6	45-170	L-5210	10-14	45-632 45-633	LB-912 LB-913	16-22 20-26
MIL-W-5086/1/7	45-171	L-5211	16-26	45-634	LB-914	24-30
MIL-W-81044/8/9/10	45-173 45-174 45-175 55-2901*	L-5662 L-5563 L-5564 55-2901-1*	10-14 16-26 26-30 16-26	N/A 45-635 45-637	N/A LB-915 LB-917	N/A 16-22 24-30
MIL-W-16878/5	45-174	L-5563	16-26	45-635	LB-915	16-22
MIL-W-81381/3/4	45-175	L-5564	26-30	45-637	LB-917	24-30
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-25038/3	55-2901*	55-2901-1*	16-22			
MIL-W-81044/11/12/13 MIL-W-22759/34/35/41/42/43	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
Raychem 44A021X, 44/051X	45-176	L-5559	10-14	N/A	N/A	N/A
MIL-W-16878/4	45-1611	45-1611-1	10-14	N/A	N/A	N/A
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-81044/16/17	45-1611 45-1610	45-1611-1 45-1610-1	10-14 16-26	N/A N/A 45-2112 45-2131	N/A N/A 45-2112-1 45-2131-1	N/A N/A 20-26 16-24
MIL-W-81381/1/2/6/7/8/9/10/17/21	45-1609 45-1551 45-178	45-1609-1 45-1551-1 L-5561	10-14 16-26 26-30	N/A 45-2612 45-2125 45-640	N/A 45-2612-1 45-2125-1 LB-920	N/A 16-24 20-26 24-30
MIL-W-81381/11/12/13/14/22	45-1608 45-1654 45-178	45-1608-1 45-1654-1 L-5561	10-14 16-26 26-30	N/A 45-2114 45-2132 45-640	N/A 45-2114-1 45-2132-1 LB-920	N/A 20-26 16-24 24-30
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-81381/17/21	45-1523 45-1672 45-1633 55-1633*	45-1523-1 45-1672-1 45-1633-1 55-1633-1*	16-26 16-26 16-26 16-26	45-2120 45-2121 N/A N/A	45-2120-1 45-2121-1 N/A N/A	20-26 16-24 N/A N/A
MIL-W-81381/18/19/20	46-1609 45-1672 45-1551	45-1609-1 45-1672-1 45-1551-1	10-14 16-26 16-26	N/A 45-2612 45-2125	N/A 45-2612-1 45-2125-1	N/A 16-24 20-26

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

MIL-Spec Application Guide (continued)

Wire Specification	Ergo-Elite, 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
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-22759/7/8	55-1500*	55-1500-1*	16-22	N/A	N/A	N/A
MIL-W-5086 TYPE I MIL-W-5086 TYPE II	45-1192 45-1159 45-1302	45-1192-1 45-1159-1 45-1302-1	8-12 10-14 16-22	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
MIL-W-24640/19/22/23/24	45-1957	45-1957-1	14-22	N/A	N/A	N/A
MIL-W-85485/5/6/7/8	45-1925 45-1924	45-1925-1 45-1924-1	10-14 16-24	N/A N/A	N/A N/A	N/A N/A
MIL-W-85485/9/10/11/12	45-1611	45-1611-1	10-14	N/A	N/A	N/A
MIL-W-85485/9/10	45-1610	45-1610-1	16-26	45-2131	45-2131-1	16-24
BMS13-48 TYPES 1-7, 25, 26, 30 (6mil Wall Thickness)	45-1551 45-2500 55-1987*	45-1551-1 45-2500-1 55-1987-1*	16-26 10-14 16-26	45-2612	45-2612-1	16-24
BMS13-48 TYPES 10-14, 27, 28, 31, 32, 35, 36 (8mil Wall Thickness)	45-1654 45-2500 45-1611 55-1987*	45-1654-1 45-2500-1 45-1611-1 55-1987-1*	16-26 10-14 10-14 16-26	45-2132	45-2132-1	16-24
BMS13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	45-1987 45-2500 45-1611 55-1987*	45-1987-1 45-2500-1 45-1611-1 55-1987-1*	16-26 10-14 10-14 16-26	45-2133	45-2133-1	16-24
BMS13-60 TYPE 1-6, 19-21, 23-27, 33-34	45-2541 45-2543 55-2543*	45-2541-1 45-2543-1 55-2543-1*	10-14 16-24 16-24	N/A 45-2697	N/A 45-2697-1	N/A 16-24
BMS13-60 TYPE 12-18, 28-32	45-2542 45-2544	45-2542-1 45-2544-1	10-14 16-24	N/A N/A	N/A N/A	N/A N/A
BMS13-60 TYPE 7-12	45-2565 45-2564 55-2564*	45-2565-1 45-2564-1 55-2564-1*	10-14 16-26 16-26	N/A N/A	N/A N/A	N/A N/A
BMS13-60 TYPE 13-18, 28-32	45-2686	45-2686-1	16-24	45-2698	45-2698-1	16-24
BMS13-78	55-2933*	55-2933-1*	16-22			
BMS13-80	55-2934*	55-2934-1*	22-26			
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 16-24 16-26 16-26	N/A 45-2685 45-2799	N/A 45-2685-1 45-2799-1	N/A 16-24 16-24
5 MDI AIRFRAME TYPE A&B	45-2691	45-2691-1	10-14	N/A 45-2685	N/A 45-2685-1	N/A 16-24
5MDI HOOK-UP TYPE C	45-2694	45-2694-1	10-14	N/A 45-2693 45-2692	N/A 45-2693-1 45-2692-1	N/A 16-22 20-26

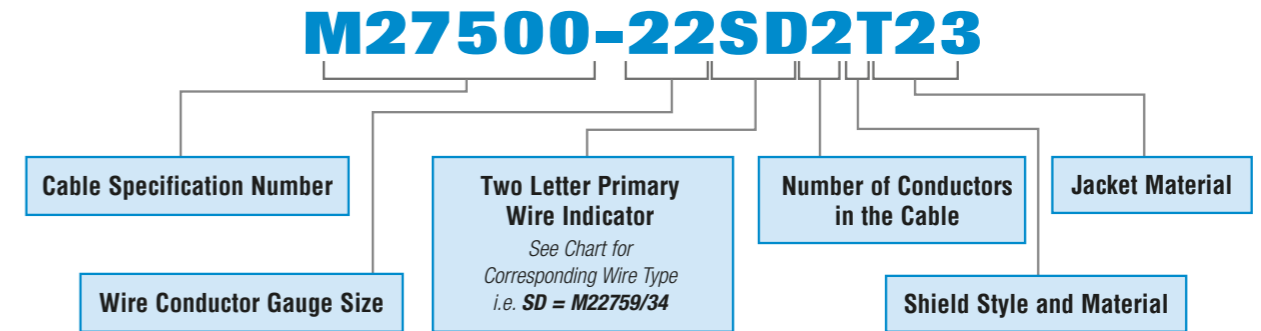
*Note: 55-Series frames or replacement blades are not interchangeable with the 45-Series tools.

Continued on page 24

Wire Specification	Ergo-Elite, 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
AEP System 2112	55-2903* 45-1987	55-2903-1* 45-1987-1	16-24 16-26			
AD	45-2824-9 45-2825-9	45-2824-1 45-2825-1	16-26 10-14	N/A N/A	N/A N/A	N/A N/A
DR	45-2834 45-2835	45-2824-1 45-2825-1	16-26 10-14	N/A N/A	N/A N/A	N/A N/A
AK	45-1513	45-1513-1	16-26	45-2128 45-2129	45-2128-1 45-2129-1	16-22 20-26
AKA, AKB	45-1654 45-171 45-1608 45-170	45-1654-1 L-5211 45-1608-1 L-5210	16-26 16-26 10-14 10-14	45-2132 45-632 N/A N/A	45-2132-1 LB-912 N/A N/A	16-24 16-22 N/A N/A
BE, DE	45-171 45-170	L-5211 L-5210	16-26 10-14	45-632	LB-912	16-22
BF, CF, DK	45-1773 45-1774 55-1773*	45-1773-1 45-1774-1 55-1773-1*	18-24 12-14 16-26	45-2126 45-2127	45-2126-1 45-2127-1	16-22 20-26
DL	55-2905*	55-2905-1*	16-22			
CF, DK, DL, DM,	45-1939	45-1939-1	10-14	N/A	N/A	N/A
DM	45-2811	45-2811-1	16-24			
PAN 6411 DP 002 TO 012	45-2801	45-1773-1	16-24	45-2126 45-2127	45-2126-1 45-2127-1	16-22 20-26
PAN 6411 DP 020 & 030	45-2802	45-1774-1	12-14	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			
PAN 6429 BE 002 TO 006	45-171	L-5211	16-24	45-632	LB-912	16-22
PAN 6420 YR 004 TO 006	55-2903*	55-2903-1*	16-26			
PAN 6588TW002	55-2775*	55-2775-1*	16-24			

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

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®, Custom Stripmaster® Lite or Ergo-Elite Stripmaster® 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
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

Please note this chart is for reference only.

Common wire stripping defects

Conductor damage: Damage caused from stripping wire with incorrect blade types. For example: Using knife type vs. die type blades when die type blades are called for or stripping wire with incorrect MIL-specs. Includes nicks, scrapes, burnishes, cut strands and exposed strands.

Faulty stripping: Causes improper or inconsistent signals in the circuit and even complete failure due to fatigue breakage.

Several factors aggravate the affects of improper stripping, including: Heat, rapid temperature change, mechanical vibration and oscillatory motion.

Detect-free conductors are not an option. They are the rule! Once, slight burnishes were acceptable. Yet, today it is recognised that removing as little as 40 micro inches of conductor plating can cause failure in some wires.

Product liability is an increasingly important aspect of product acceptance.

Insulation damage

A circuit is only as reliable as the weakest point - the point of termination. Faulty stripping can pierce, scuff or split the wire insulation. Damaged insulation weakens the circuit two ways: changing the wire's dielectric strength, which can lead to electrical short circuits and reducing the wire's resistance to moisture and abrasion.

Plus, insulation articles can often get trapped in solder and crimp joints.

Wire diameter affects stripping requirements

A common mistake is to believe that a certain gauge of stranded conductor has the same diameter as a solid conductor of the same gauge.

Stranded conductors are slightly larger than solid conductors of the same gauge.

This is important when considering blade selection, stripper selection and stripping methods.

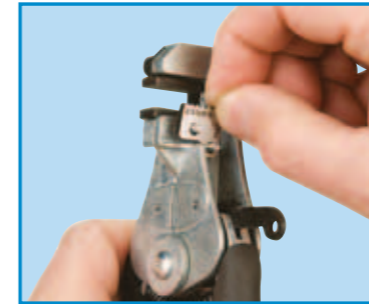
The type of wire to be stripped and the type of stripping required (commercial or precision) will help determine the stripping tool and/or method to be employed for the best results.

The following factors determine how precisely a wire can be stripped: Insulation type, concentricity of insulation and conductor O.D.s and adherence of insulation etc.

The Wire Diameter Chart (below) references nominal sizes, as well as tolerances for various gauges and is intended as a guide only.

WIRE DIAMETER					
AWG	mm ²	Dia. of solid wire inches	Dia. of stranded wire inches	Dia of solid wire mm	Dia. of stranded wire mm
8	8.368	.0128	.145-.149	3.251	3.68-3.78
10	5.262	.102	.116-.119	2.590	2.45-3.02
12	3.309	.081	.091-.093	2.05	2.31-2.36
14	2.081	.064	.072-0.74	1.625	1.82-.188
16	1.309	.051	.058-.060	1.295	1.47-1.52
18	0.8226	.040	.047-.049	1.016	1.19-1.24
20	0.5174	.032	.038-.040	0.813	0.965-1.02
22	0.3256	.025	.029-.030	0.635	0.736-0.762
24	0.2047	.020	.024-.025	0.508	0.609-0.635
26	0.1288	.016	.019-.020	0.406	0.482-0.508
28	0.08097	.013	.016-.017	0.330	0.406-0.432
30	0.05097	.010	.012-.013	0.254	0.305-0.330

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.



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.

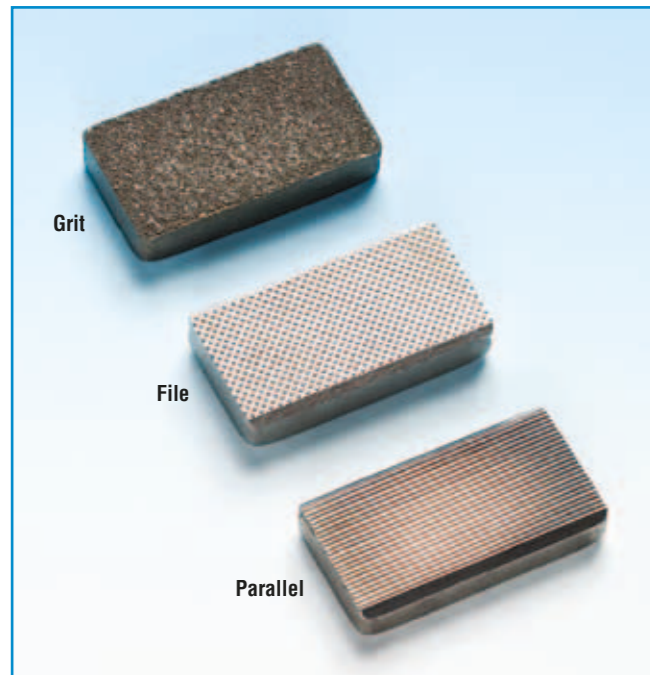
Should any of the above occur, repeat the blade set-up and calibration procedures. Also, be certain that the sample wire is indeed correctly matched with the cutting blades used. Refer to the blade reference charts on pages 14 through 15 for blade selection guidelines.

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 blade damage.

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.



Gripper Pads are available in your choice of either parallel, file or grit-type. Grit Gripper Pads are the most commonly used. File-type pads may be used on hard-to-grip insulations such as Kapton® and some Teflon®.

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./3.3 mm)
Grit**	LB-198	L-5212	L-5217 (.156 in./4 mm)
File	LB-721‡	LB-718	LB-719 (.129 in./3.3 mm)
File	LB-722‡	LB-718	LB-720 (.156 in./4 mm)
Parallel	LB-730	LB-727	LB-728 (.129 in./3.3 mm)
Parallel	LB-731	LB-727	LB-729 (.156 in./4 mm)

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./2.8 mm)
File	LB-1189	LB-1184	LB-1185 (.109 in./2.8 mm)
Parallel	LB-1190	LB-1186	LB-1187 (.109 in./2.8 mm)

* 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 such as Kapton® and Teflon®. Gripper pad selection depends on insulation type and user preference.
 Note: For wire gauge 10-14, use .129 in./3.2766 mm stationary gripper.
 For 16-30 AWG, use .156 in./3.9624 mm gripper

Replacement Frame Assemblies

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

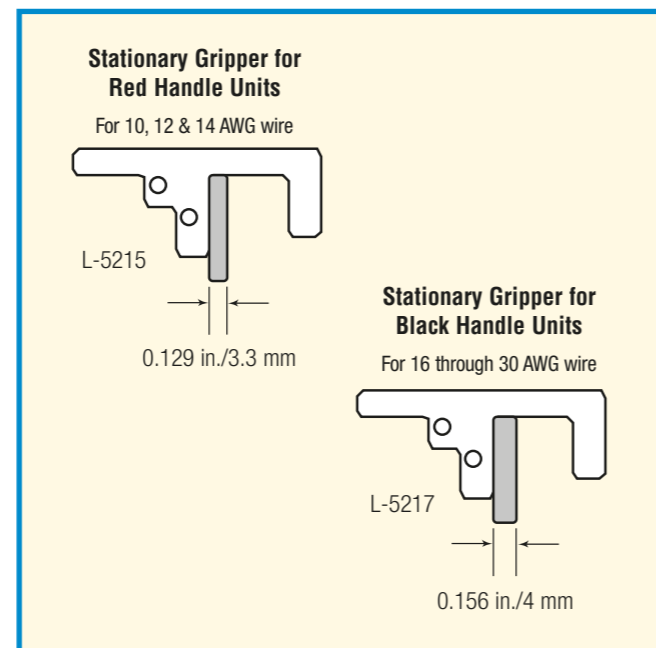
Note: Frames with internal springs allow additional blade penetration pressure for difficult and multi-layered insulation types.

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

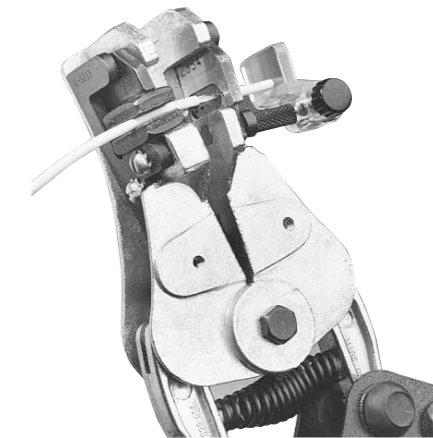
For Custom Steel Stripmaster® Wire Strippers	Cat. No.	Metric Frame Cat. No.
Frame only, 10-14 AWG	LB-1091	-
Frame only, 16-30 AWG	LB-1092	45-2575*
Frame only, 10-14 AWG, internal spring (see note)	LB-1090	-
Frame only, 16-30 AWG, internal spring (see note)	LB-1089	-

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

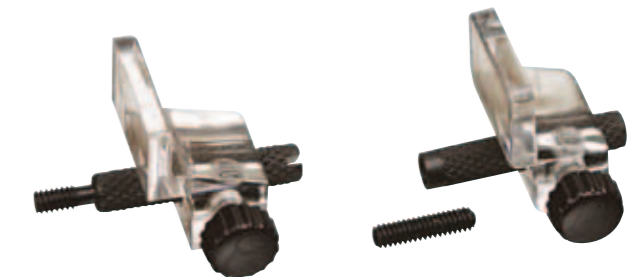
*Grippers not included



Short-stop Latch protects wire strands by limiting the stripping stroke to 5/32 in. (3.9624 mm) and retains the slug until the wire is ready for terminating.



Transparent wire stop provides uniform stripping length.



Transparent Adjustable Wire Stop Assembly

Description	Cat. No.	Metric Cat. No.
For Custom & Custom Steel Stripmaster® Wire Strippers	L-5270	45-2019
For Custom Stripmaster® Lite Wire Strippers	LB-1195	-

Short Stop Latch

Description	Cat. No.
For Custom & Custom Steel Stripmaster® Wire Strippers	L-5269
For Custom Stripmaster® Lite Wire Strippers	LB-1194

Custom Steel Stripmaster® Wire Strippers and Special Flat-Blades for Ribbon and Multi-Conductor Cable

Description	Blade Gap ("x") Vertical Height	Blade Only Cat. No.	Frame & Blade Cat. No.
Custom Steel frame only - 10-14 AWG	N/A	N/A	LB-1091
Flat blade for 26 AWG (.40mm dia.) multi-conductor	.022 in./0.56 mm	LB-1151	45-890
Flat blade for 24 AWG (.51mm dia.) multi-conductor	.030 in./0.76 mm	LB-1152	45-891
Flat blade for 22 AWG (.64mm dia.) multi-conductor	.038 in./0.97 mm	LB-1153	45-892
Flat blade for 20 AWG (.81mm dia.) multi-conductor	.050 in./1.27 mm	LB-1154	45-893
Flat blade for 18 AWG (1.02mm dia.) multi-conductor	.060 in./1.52 mm	LB-1155	45-894
Flat blade for 16 AWG (1.29mm dia.) multi-conductor	.075 in./1.90 mm	LB-1156	45-895
Custom Steel frame only - 16-30 AWG	N/A	N/A	LB-1092
Metric threaded frame only without grippers	N/A	N/A	45-2575

Teflon® and Kapton® are registered trademarks of E. I. du Pont de Nemours and Company.

Ergo-Elite Stripmaster® Wire Stripper



IDEAL has set the aviation industry's standard in hand-held, precision wire stripping for over 60 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, eliminates potential scraping of the inner conductor, while leaving squared shoulders on a wide range of wire gauges.

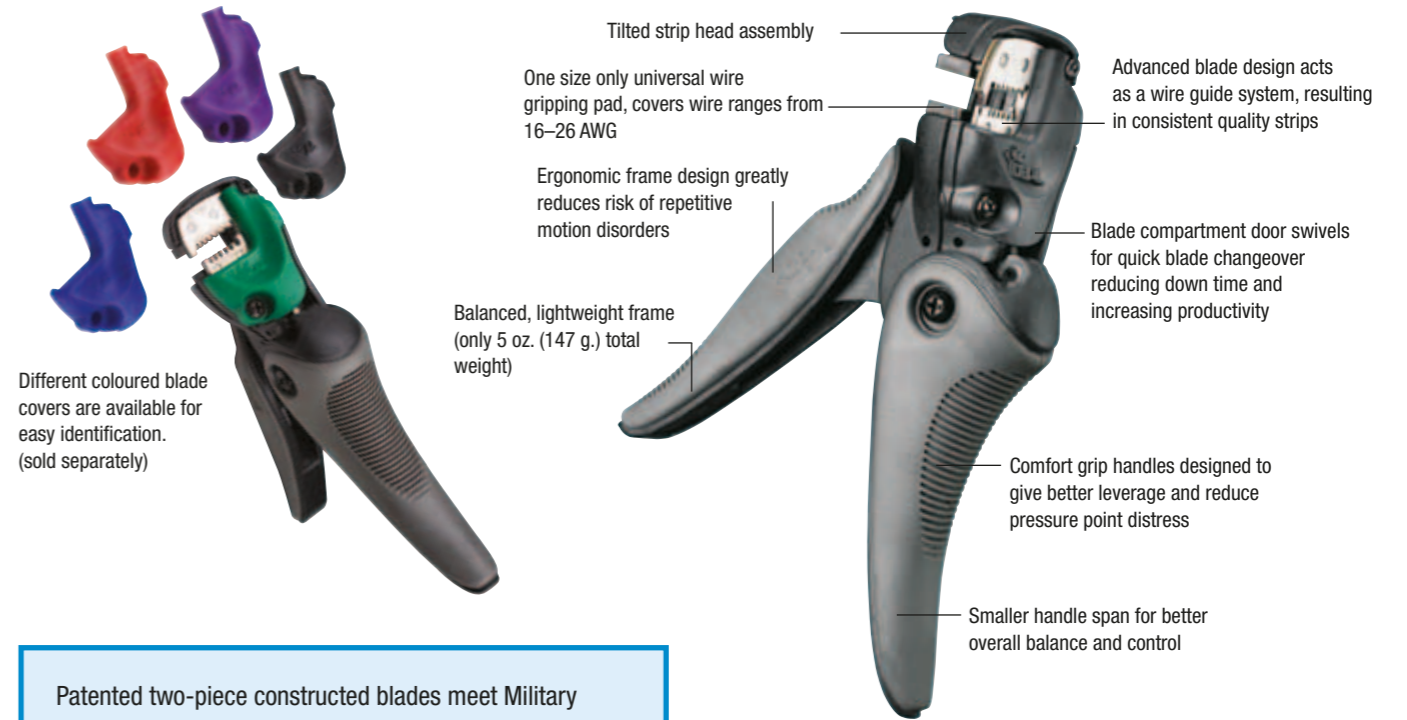
- Ergonomically engineered for superior comfort, balance and control
- Tool constructed of rigid polyurethane reinforced with carbon fibre providing excellent strength at 40% the weight of metal hand tools
- Unmatched Mil-Spec precision blades with a patented, revolutionary design
- Tilted head assembly 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 on +44 (0)1925 44 44 46.



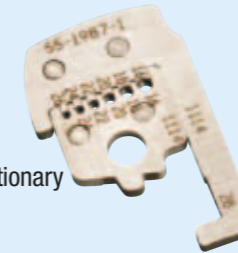
Advanced blade design has a built-in guiding system for loading the wire properly into position.

Ergo-Elite Stripmaster® Wire Stripper



Patented two-piece constructed blades meet Military Stripping Specifications. An outer counter-bore hole is sized to the insulation outside diameter while the inner cutting hole cuts through the insulation assuring nick-free wire stripping time after time.

- Squared shoulders at insulation cut
- Aggressive blade design for minimal tool stress and grip force
- Advanced cutting hole design with blade holes tangent to stationary gripper surface
- Stainless steel construction



Accessories (Sold Separately)

Description	Cat. No.
Ergo-Elite Stripmaster® Frame Only without blades	LB-4617
Ergo-Elite Stripmaster® Frame w/grit pad without blades	LB-4618
Ergo-Elite Stripmaster® Frame w/parallel pad without 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
Blade Cover, Purple	IA-5170
Blade Cover, Red	IA-5171
Blade Cover, Green	IA-5172
Blade Cover, Blue	IA-5173

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	—
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

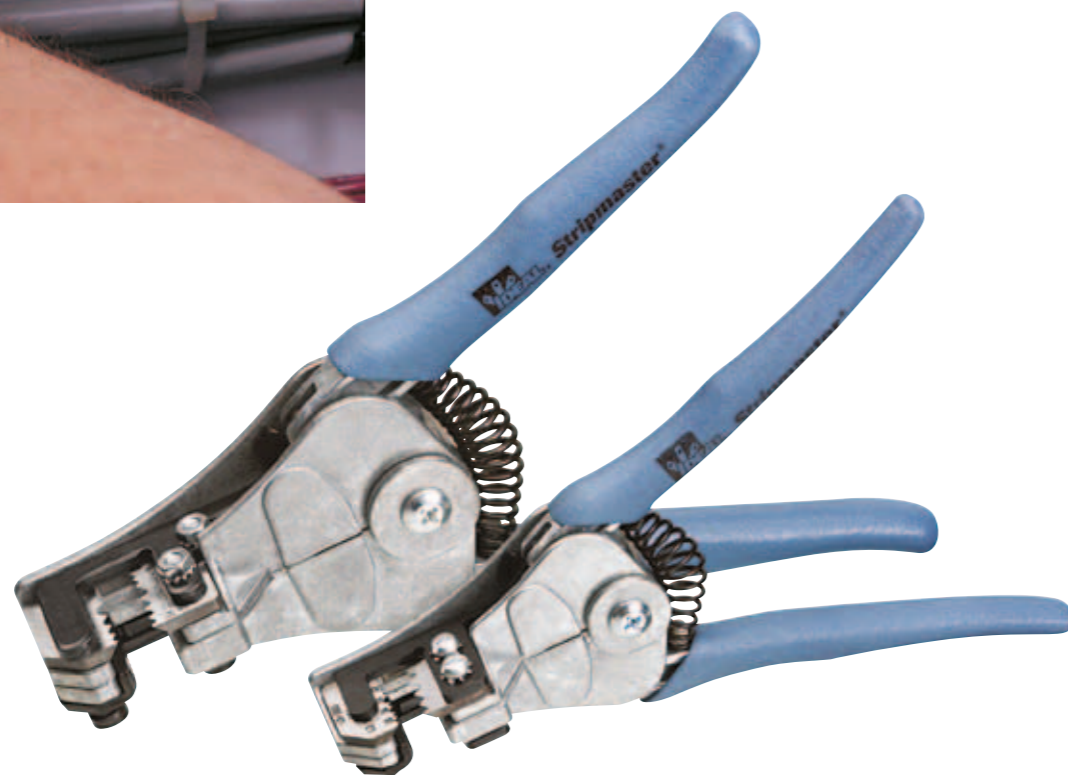
Stripmaster® and Stripmaster® Lite Wire Strippers



The Stripmaster® Wire Stripper, a versatile wire stripper, is the standard of the industry. The Standard Stripmaster® Wire Stripper incorporates a wire gripper that firmly holds the wire in a centre-line position with the stripping hole.

Lever action of the stripper offers a mechanical advantage that makes wire stripping easier. This is a great aid in production applications as operator fatigue is reduced. One light 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.

- Knife-type blades handle general purpose, non-precision and coax cable wire stripping
- One-step action reduces wire stripping time for increased productivity
- Spring-action mechanical advantage increases wire stripping leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate wire stripping
- Sturdy die cast frame provides long-term durability
- Wire gripper holds wire securely in position
- Stripmaster® Lite designed for smaller hands - 3/4 the size of the standard Stripmaster® Wire Stripper
- Two tool sizes match user preference and wire stripping requirements



Stripmaster® and Stripmaster® Lite Wire Strippers

Stripmaster® Wire Strippers and Knife-Type Blades

Specifications — Stripping Hole Diameter (Inches***)												Cat. No.	Replacement Blades (Pair) Cat. No.	
Wire Size AWG														
8	10	12	14	16	18	20	22	24	26	28	30			
.159	.141	.106											45-090* or 45-290**	L-4419
	.144	.105	.085	.073	.073								45-091	L-4420
	.144	.113	.090	.072	.061	.048	.048						45-092* or 45-292**	L-4421
			.090	.072	.061	.039	.039						45-093	L-4422
				.072	.061	.048	.039	.032	.026				45-097	L-4994
						.048	.039	.032	.026	.021	.016		45-098	L-5361
.198	.167			.062	.055								45-099	L-8763

*Boxed **Blister Card *** for mm see page 34 Tolerances +.001 / -.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*)													Cat. No.	Replacement Blades (Pair) Cat. No.	
Wire Size AWG															
12	14	16	18	20	22	24	26	28	30	16/18	20/22	Cutting Edge			
		.072	.061	.048	.039									45-671	LB-1001
						.032	.026	.021	.016					45-672	LB-1002
.113	.090	.072	.061 (All stranded wire)											45-673	LB-1003
.096	.085	.073	.061 (12 & 14 Solid wire, 16 & 18 Stranded wire)											45-674	LB-1004

* for mm see page 34 Tolerances +.001 / -.005

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

Coax Stripmaster® Wire Strippers and Blades

Description	Coax Cable Type (RGU)	Repl. Blade Cat. No.	Cat. No.
Coax Stripmaster® for RG-6	RG-6	LB-740	45-262
Coax Stripmaster® for RG-58	RG-58	LB-742	45-264
Coax Stripmaster® for RG-59	RG-59	LB-743	45-265
Coax Stripmaster® for RG-62	RG-62	LB-744	N/A
Coax Stripmaster® for RG-6 QuadShield	RG-6 QuadShield	LA-3953	45-282

Coaxial Cables: two-step strip for termination, jacket and dielectric.

Replacement Frame Assemblies	Cat. No.
For Stripmaster® Wire Strippers	L-5620
For Stripmaster® Lite Wire Strippers	LB-1421

Coaxial Cables: two-step strip for termination, jacket and dielectric

Stripmaster® Wire Strippers with Rectangular Holes

Description	Cat. No.	Replacement Blades (Pair) Cat. No.
For Flat Telephone Cable (.60 in. or 1.52 mm)	N/A	LB-1155
For European Flat Lamp Cord	45-089	L-8762
For SP-SPT Lamp Cord	45-095*	L-4452

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



Optional Accessories	Cat. No.
Transparent Adjustable Wire Stop - (for Stripmaster®, Custom and Custom Steel Stripmaster® Wire Strippers)	L-5270
Transparent Adjustable Wire Stop - (for Stripmaster®, Custom & Custom Steel Stripmaster® Wire Strippers) for metric frame*	45-2019
Transparent Adjustable Wire Stop - (for Stripmaster® and Custom Stripmaster® Lite Wire Strippers)	LB-1195
Replacement Moveable Gripper	L-1953

* Metric frame contains a metric stud that holds the wire guides/blades in place.

Stripmaster® and Stripmaster® Lite Wire Strippers

Stripmaster® Wire Strippers and Knife-Type Blades

Specifications — Stripping Hole Diameter (mm**)												Cat. No.	Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	
Wire Size AWG															
8	10	12	14	16	18	20	22	24	26	28	30				
4	3.6	2.7											45-090 or 45-290	L-4419	L-5620
	3.6	2.7	2.2	1.8									45-091	L-4420	L-5620
	3.6	2.9	2.3	1.8	1.5	1.2							45-092 or 45-292-241*	L-4421	L-5620
			2.3	1.8	1.5	1.2	1						45-093	L-4422	L-5620
				1.8	1.5	1.2	1	0.8	0.7				45-097	L-4994	L-5620
						1.2	1	0.8	0.7	0.5	0.4		45-098	L-5361	L-5620
5	4.2			1.6	1.4								45-099	L-8763	L-5620

*Blister packaging ** For inches see page 33 Tolerances +.025 / -.127 mm
 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 (mm*)												Cat. No.	Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	
Wire Size AWG															
12	14	16	18	20	22	24	26	28	30	16/18	20/22	Cutting Edge			
		1.8	1.5	1.2	1								45-671	LB-1001	LB-1421
						0.8	0.7	0.5	0.4				45-672	LB-1002	LB-1421
2.9	2.3	1.8	1.5 (All stranded wire)										45-673	LB-1003	LB-1421
2.4	2.2	1.9	1.5 (12 & 14 Solid wire, 16 & 18 Stranded wire)										45-674	LB-1004	LB-1421

* For inches see page 33 Tolerances +.025 / -.127 mm
 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**)														Cat. No.	Replacement Blades (Pair) Cat. No.	Replacement Frame 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	45-090-341 or 45-290-341*	L-4419M	LA-2358
						1.3	1.6	1.9	2.4	3	3.6			45-092-341 or 45-292-341*	L-4421M	LA-2358
0.6	0.7	0.8	0.9	1	1.1									45-098-341 or 45-298-341*	L-5361M	LA-2358

*Blister packaging Tolerances +.025 / -.127 mm **For inches see page 33

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

Specifications — Stripping Hole Diameter (mm*)										Cat. No.	Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.
Wire Size (mm²)												
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5				
					1	1.1	1.3	1.6	1.9	45-671-341	LB-1001M	H-2909

Tolerances +.025 / -.127 mm *For inches see page 33
 Free Application Engineering Service and made-to-order Custom Stripmaster® and Stripmaster® Wire Strippers are available, contact IDEAL INDUSTRIES NETWORKS DIVISION for complete information on +44 (0)1925 44 44 46.

PRODUCTIVITY

Selecting the proper tool for your wire and cable ensures the quality and consistency desired in a production environment. There are also ergonomic advantages. Using the proper tool and blade produces a clean cut through the insulation allowing minimal hand force to actuate the tool and break away the insulation. Even selecting the proper wire cutter improves the quality of the strip and significantly lessens hand force trauma. If your production area is a high risk for repetitive motion disorder, IDEAL can offer proven machines to greatly reduce these safety issues. These machines will address your major safety concerns in addition to providing speed, efficiency and superior quality.



IDEAL wire cutters produce a clean cut through the insulation.



Diagonal cutters do not cut cleanly and decreases the quality of the strip.



Strippers & T[®]-Strippers

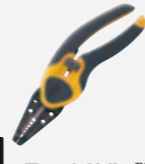
Invented and manufactured at our Sycamore, Illinois facility, the T[®]-Stripper Wire Stripper line is the leading brand name in the world.

Based on 2011 data available from Epicor/Vista.



Kinetic[™] Reflex[™] T[®]-Stripper Wire Stripper

Ergonomic handles with Santoprene[®] grip and Thumb Valley[™] make this the premier wire stripper in the market.



Kinetic[™] Super Wire Stripper

The ergonomic design and patented Santoprene[®] grip wicks away perspiration and reduces muscle fatigue. The Thumb Valley[™] guide and precision stripping holes promote the highest accuracy in the industry.



- Thumb Valley[™] Protection
- Pocket Locket Locking Hasp
- Shear Cut Bolt Cutters
- Santoprene[®]
- Ergo Handles

Reflex[™] Super T[®]-Stripper Wire Stripper

The ergonomic design with curved handles reduces wrist fatigue. Features 6/32 and 8/32 self-chasing, bolt cutting holes and a locking pawl for safe storage.



- Thumb Valley[™] Protection
- Pocket Locket Locking Hasp
- Shear Cut Bolt Cutters
- Santoprene[®]
- Curved Handles

Reflex[™] Premium T[®]-Stripper Wire Stripper

Designed for total-comfort and wire stripping. Ergonomic handles fit an electrician's natural grip and reduces hand fatigue. Textured, slip-resistant sleeves cushion thumb and fingers.



- Locking Pawl
- Bolt Cutting
- Extended Textured Comfort
- Ergo Handles

T[®]-Stripper Wire Stripper

The industry standard for almost 50 years. Compact, lightweight and easy to use. Features precision-ground, knife-type blades, built-in looping holes, wire cutters and a convenient plier nose.



- Extended Textured
- Ergo Handles
- Straight Handles

T[®]-Stripper Wire Stripper Selection Guide

		#45-100's	#45-400's	#45-600's	#45-700's	#45-900's													
6	8	10	12	14	16	18	20	22	24	26	28	30	32	Hole Size					
8	10	12	14	16	18	20	22	24	26	28	30	32		Stranded					
														Solid					
														Stranded					
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														Stranded					
														T-Cutter					

Kinetic[™] Super Wire Strippers

- Non-slip Santoprene[®] textured grips
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easier and more accurate
- Shear-Cut[™] bolt cutters



Description	Solid	Stranded	Cat. No.
Kinetic Super [™] Wire Stripper	10-18	12-20	45-715
	14-24	16-26	45-716
	6-14	8-16	45-718

Reflex[™] Premium T[®]-Stripper Wire Strippers

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



Description	Solid	Stranded	Cat. No.
Reflex [™] Premium T [®] -Stripper Wire Stripper	10-18	12-20	45-415
	14-24	16-26	45-416
	22-30	24-32	45-417
Reflex [™] Premium T [®] -Stripper – Metric	6-14	8-16	45-418
	0.5mm ² -4.0mm ²		45-425-341

Strippers & T[®]-Strippers

Kinetic[™] Reflex[™] T[®]-Stripper Wire Strippers

- Non-slip Santoprene[®] textured grips and thumb rest
- Plier nose for holding and twisting wires
- Slide lock for safety and storage
- Thumb and finger valley makes stripping easier and more accurate
- Shear-Cut[™] bolt cutters



Description	Solid	Stranded	Cat. No.
Kinetic Reflex [™] T [®] -Stripper Wire Stripper	10-18	12-20	45-915
	6-14	8-16	45-918

Santoprene[®] is a registered trademark of Exxon Mobil.

Reflex[™] Super T[®]-Stripper Wire Strippers

- 6/32 and 8/32 self-chasing screw-cutting holes
- Locking pawl for safe storage
- Ergonomic design for maximum comfort
- Curved handles reduce wrist fatigue
- Sleeves extend to stripping head to cushion thumb and fingers
- Textured sleeves with extra cushioning for added comfort

Description	Solid	Stranded	Cat. No.
Reflex [™] Super T [®] -Stripper Wire Stripper	8-16	10-18	45-615
	8-14	8-16	45-618
Reflex [™] Super 12/2 & 14/2 NM Cable T [®] -Stripper Wire Stripper	12-2 and 14-2	—	45-621

T[®]-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 [®] -5 T [®] -Stripper Wire Stripper	10-18	12-20	45-120
T [®] -6 T [®] -Stripper Wire Stripper	14-24	16-26	45-121
T [®] -7 T [®] -Stripper Wire Stripper	22-30	24-32	45-125
T [®] -8 T [®] -Stripper Wire Stripper	6-14	8-16	45-124
T [®] -Stripper Wire Stripper – Metric	0.75-6mm ²		45-120-341
T [®] -Stripper Wire Stripper – Metric	0.5-4mm ²		45-125-341

Round Cable Slitting and Ringing Tool

- Cuts around cable jacket as well as slits the length of jacket for easy removal
- Use with single or multiple conductor cable up to 1.75 in. (44.45 mm) O.D.
- Blade adjusts for jacket thicknesses up to .125 in. (3.175 mm)
- Spare blade in handle base



Description	Cat. No.
Round Cable Slitting and Ringing Tool	45-144
Cable Stripper for 1/4 in. to 3/4 in. O.D.	45-128
Replacement Blades for 45-144 (2/pkg.)	LB-1748
Replacement Blades for 45-128 and 45-129 (2/pkg.)	L-7486
Cable Stripper for 3/4 in. to 1 1/2 in. O.D.	45-129

Data T[®]-Cutters

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



Description	Wire Range	Cat. No.
Data T [®] -Cutter	Multi-pair cable up to .500 in. (12.7mm), Coaxial cable up to RG-9/U	45-074

T[®]-Cutter Wire Cutter

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



Description	Wire Range	Cat. No.
T [®] -Cutter	Up to 1/2 in. (12.7 mm) O.D. fine-stranded wire and 10 AWG solid wire	45-123

T[®]-Cutter Lite Wire Cutter

In today's cutting-edge electronic production and assembly operations, the T[®]-Cutter Lite is a "must-have." Stranded or solid, copper or aluminum, this wire cutter cuts cleanly and accurately. Compact and lightweight with a cushioned grip prove comfort and precision go hand-in-hand.

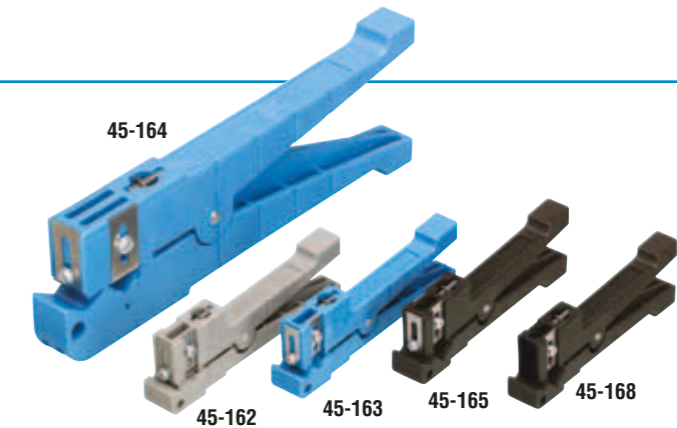
- Knife-type blade provides a shear-type cut
- Lightweight, compact design
- Perfect for copper and aluminium wire
- Cushioned grip



Description	Cat. No.
T [®] -Cutter Lite Wire Cutter	45-260

Coaxial Cable Strippers

- Lightweight, compact, cost-effective stripper is simple to operate
- Adjustable blades can be set for any depth to help ensure nick-free strips
- Use with multi-conductor cable, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT, and other types of flexible power cords
- Includes three straight and one round blade



Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) O.D.	RG-174, RG-187	45-162 (Gray)
Coaxial Cable Stripper, up to 1/8 in. (3.2mm) to 7/32 in. (5.56mm) O.D.	RG-58, CB Antenna Cable	45-163 (Blue)
Coaxial Cable Stripper, up to 1/4 in. (6.4mm) to 9/16 in. (14.3mm) O.D.	RG-8	45-164 (Blue)
Coaxial Cable Stripper, up to 3/16 in. (4.8mm) to 9/16 in. (8mm) O.D.	RG-59, UTP Cable	45-165 (Black)
UTP/STP Ringer Stripper, one blade	UTP/STP	45-168 (Black)



Replacement Blades for Coaxial Cable Strippers

Description	Cat. No.
Replacement blade set* for 45-162, 45-163, 45-165	L-9225
Replacement blade set* for 45-164	L-9226

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

IDEAL Catalogues



European Electrical Catalogue



Dedicated Networks Catalogue



Wire Connector Brochure



UK Distribution Centre, Warrington

Alphabetical Index

220V, 50Hz Transformer	6
A	
Accessories	28
Additional Wire Stripper Basics	26
Air filter/regulator	6, 8
C	
Calibration Procedures	27
Coax Replacement Clamp Jaw Assembly	11
Coax Stripmaster® Wire Strippers and Blades	33
Coax Wire Guide Sets	11
Coaxial Cable Strippers	37
Custom Steel Stripmaster® Wire Stripper Replacement Frame Assemblies	28
Custom Steel Stripmaster® Wire Stripper Replacement Gripper Pads	28
Custom Steel Stripmaster® Wire Strippers and Special Flat-Blade for Ribbon and Multi-Conductor Cable	29
Custom Stripmaster® Lite Wire Stripper Replacement Frame Assemblies	28
Custom Stripmaster® Lite Wire Stripper Replacement Gripper Pads	28
Custom Stripmaster® Lite Wire Strippers and Die-Type Blades	21
Custom Stripmaster® Wire Stripper Replacement Frame Assemblies	28
Custom Stripmaster® Wire Stripper Replacement Gripper Pads	28
Custom Stripmaster® Wire Strippers and Die-Type Blades	20
D	
Data T®-Cutters	33
E	
Ergo-Elite Stripmaster® Wire Stripper	30
Ergo-Elite Stripmaster® Wire Stripper Accessories	31
G	
Gripper Slug Remover	8
H	
Hex Key Set	6
I	
IDEAL Gripper™	15
K	
Kinetic™ Reflex™ T®-Stripper Wire Stripper	36
Kinetic™ Super Wire Stripper	36
M	
MIL-spec Application Guide for Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers	22-24
MIL-spec Reference Chart for Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers	25
MIL-spec Reference Chart for Ergo-Elite Stripmaster® Wire Stripper	31
P	
Permanent Gripper Assembly	6
Pro Coax Cable Stripper	10
Pro Coax Replacement Cutter Blade Set	11
Pro Coax Replacement Gripper Blade Set	11
R	
Reflex™ Premium T®-Stripper Wire Strippers	36
Reflex™ Super T®-Strippers	36
Replacement Frame Assemblies	28
Replacement Gripper Pad/Set	13
Replacement Gripper Pads	28
Ringer™ Shield Cable Stripper	14
Ringer™ Shield Cable Stripper Replacement Blades	15
Round Cable Slitting and Ringing Tool	38
S	
Short Stop Latch	29
STP Jacket Remover	12
STP Mounting Bracket	8
STP Replacement Blade Set	8
STP Replacement Front Grip Pad	8
STP Replacement Optional Firm Rear Grip Pad	8
STP Replacement Standard Rear Grip Pad	8
STP Stripping System	8
Stripmaster® 950 Wire Stripper	6
Stripmaster® 950 Wire Stripper Permanent Gripper Assembly	6
Stripmaster® 950 Wire Stripper Standard Blade and Bushings	6
Stripmaster® and Stripmaster® Lite Wire Strippers	33
Stripmaster® and Stripmaster® Lite Wire Strippers Frame Assemblies	33
Stripmaster® and Stripmaster® Lite Wire Strippers Optional Accessories	33
Stripmaster® Lite Wire Strippers and Knife-Type Blades	33, 34
Stripmaster® Lite Wire Strippers and Knife-Type Blades for Metric Wire	34
Stripmaster® Wire Strippers and Knife-Type Blades	33, 34
Stripmaster® Wire Strippers and Knife-Type Blades for Metric Wire	36
Stripmaster® Wire Strippers with Rectangular Holes	33
Strippers & T®-Strippers	36
T	
T®-Cutter Lite Wire Cutter	6, 36
T®-Cutter Wire Cutters	36
T®-Stripper Wire Strippers	36, 38
Transparent Adjustable Wire Stop Assembly	29
W	
WireMaster™ I Laser Wire Stripper	12
WireMaster™ II Laser Wire Stripper	12
Wire-stops	15
Wire Stripping Basics	16
Wire Stripping Basics, Additional	26

Catalogue Number Index

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
45-074	38	45-175 (M)	20, 22	45-2693/45-2693-1	23	45-631	21
45-089	33	45-176 (M)	20, 22	45-2694/45-2694-1	23	45-632	21, 22, 24
45-090	33, 34	45-177 (M)	20, 22	45-2697-1	23	45-633	21, 22
45-090-341	34	45-1773/45-1773-1	24	45-2698/45-2698-1	23	45-634	21, 22
45-091	33, 34	45-1774/45-1774-1	24	45-2775/45-2775-1	24	45-635	21, 22
45-092	33, 34	45-178	20, 22	45-2776/45-2776-1	24	45-636	21
45-092-341	34	45-179 (M)	20	45-2777-1	15	45-637	21, 22
45-093	33, 34	45-1924/45-1924-1	23	45-2780-1	15	45-638	21
45-095	33	45-1925/45-1925-1	23	45-2799/45-2799-1	23	45-639	21
45-097	33, 34	45-1939/45-1939-1	24	45-2801	24	45-640	21, 22
45-098	33, 34	45-1957/45-1957-1	23	45-2802	24	45-641	21
45-098-341	34	45-1987/45-1987-1	22-24	45-282	33	45-671	33, 34
45-099	33, 34	45-2019	29	45-2811/45-2811-1	24	45-671-341	34
45-1159/45-11-59-1	23	45-2108-1	15	45-2824-9/45-2824-1	24	45-672	33, 34
45-1192/45-1192-1	23	45-2112/45-2112-1	22	45-2825-9/45-2825-1	24	45-673	33, 34
45-120	36, 38	45-2114/45-2114-1	22	45-2834/45-2835	24	45-674	33, 34
45-120-341	38	45-2118/45-2118-1	22, 23	45-290	33, 34	45-715	36, 37
45-125-341	38	45-2120/45-2120-1	22	45-290-341	34	45-716	36, 37
45-121	36, 38	45-2121/45-2121-1	22	45-292	33	45-718	36, 37
45-123	36, 38	45-2125-1	22	45-292-241	34	45-890	29
45-124	36, 38	45-2126/45-2126-1	24	45-292-341	34	45-891	29
45-125	36, 38	45-2127/45-2127-1	24	45-298-341	34	45-892	29
45-128	38	45-2128/45-2128-1	24	45-333	8, 15	45-893	29
45-129	38	45-2129-45-2129-1	24	45-400	14	45-894	29
45-1302/45-1302-1	23	45-2131/45-2131-1	22, 23	45-401	14	45-895	29
45-144	38	45-2132/45-2132-1	22-24	45-402	14	45-906	6, 8
45-1513/45-1513-1	24	45-2133/45-2133-1	22, 23	45-403	14	45-910	12
45-1523/45-1523-1	22	45-2138/45-2138-1	22	45-404	14	45-915	36, 37
45-1551/45-1551-1	22, 23	45-2139/45-2138-1	22	45-415	36	45-918	36, 37
45-1608/45-1608-1	22-24	45-2500/45-2500-1	22, 23	45-416	36	45-930	8
45-1609/45-1609-1	22	45-2541/45-2541-1	23	45-417	36	45-935	8
45-1610/45-1610-1	22, 23	45-2542/45-2542-1	23	45-418	36	45-950	6
45-1611/45-1611-1	22, 23	45-2543/45-2543-1	23	45-425-341	37	45-950-4	6
45-162	39	45-2544/45-2544-1	23	45-448	36	45-951	6
45-163	39	45-2564/45-2564-1	23	45-552	11	55-1500/55-1500-1	23, 31
45-1633/45-1633-1	22	45-2565/45-2565-1	23	45-544	11	55-1633/55-1633-1	31
45-164	39	45-2575	28	45-555	11	55-1773/55-1773-1	31
45-165	39	45-260	6, 38	45-556	11	55-1987/55-1987-1	22-23, 31
45-1654/45-1654-1	22-24	45-2612/45-2612-1	22, 23	45-557	11	55-2543/55-2543-1	31
45-1672/45-1672-1	22	45-2618/45-2618-1	23	45-558	11	55-2564/55-2564-1	31
45-168	39	45-262	33	45-559	11	55-2685/55-2685-1	23, 31
45-169 (M)	20	45-264	33	45-560	10	55-2693/55-2693-1	23, 31
45-170 (M)	20, 22, 24	45-265	33	45-561	10	55-2775/55-2775-1	24, 31
45-171 (M)	20, 22, 24	45-2685/45-2685-1	23	45-600	17	55-2901/55-2901-1	22, 31
45-172 (M)	20	45-2686/45-2686-1	23	45-615	37	55-2902/55-2902-1	24, 31
45-173 (M)	20, 22	45-2691/45-2691-1	23	45-618	36, 37	55-2903/55-2903-1	24, 31
45-174 (M)	20, 22	45-2692/45-2692-1	23	45-621	37	55-2904/55-2904-1	31

Continued on Page 40

Cat. No. Page	Cat. No. Page	Cat. No. Page
55-2905/55-2905-1 24, 31	L-5560 20, 22	LB-1195 29, 33
55-2933/55-2933-1 23, 31	L-5561 20, 22	LB-1421 33, 34
55-2934/55-2934-1 23, 31	L-5562 20, 22	LB-1748 38
55-5560/55-5560-1 22, 31	L-5563 20, 22	LB-1904 31
691.020 6, 8	L-5564 20, 22	LB-197 28
H-2909 34	L-5616 28	LB-198 28
IA 5170 31	L-5617 28	LB 4617 31
IA 5171 31	L-5618 28	LB 4618 31
IA 5172 31	L-5619 28	LB 4619 31
IA 5173 31	L-5620 33, 34	LB 4620 31
K-6491 15	L-7486 38	LB 4621 31
K-6492 15	L-7625 20	LB-718 28
K-6493 15	L-8762 33	LB-719 28
K-6494 15	L-8763 33, 34	LB-720 28
K-6495 15	L-9038 28	LB-721 28
K-6496 15	L-9039 28	LB-722 28
K-6497 15	L-9225 39	LB-727 28
K-6498 15	L-9226 39	LB-728 28
K-6499 15	L-9300 20	LB-729 28
K-6500 15	LA-2358 34	LB-730 28
K-6501 15	LA-2408 8	LB-731 28
K-6502 15	LA-2414 8	LB-740 33
K-6503 15	LA-2415 13	LB-742 33
K-6504 15	LA-2808 8	LB-743 33
K-6505 15	LA-3953 33	LB-744 33
K-6809 8	LB-1001 33, 34	LB-825 15
K-7156 6	LB-1001M 34	LB-840 15
K-7763 8	LB-1002 33, 34	LB-882 28
L-1953 33	LB-1003 33, 34	LB-883 28
L-4419 33, 34	LB-1004 33, 34	LB-895 28
L-4419M 34	LB-1089 28	LB-896 28
L-4420 33, 34	LB-1090 28	LB-911 21
L-4421 33, 34	LB-1091 28, 29	LB-912 21, 22, 24
L-4421M 34	LB-1092 28, 29	LB-913 21, 22
L-4422 33, 34	LB-1151 29	LB-914 21, 22
L-4452 33	LB-1152 29	LB-915 21, 22
L-4994 33, 34	LB-1153 29	LB-916 21
L-5210 20, 22, 24	LB-1154 29	LB-917 21, 22
L-5211 20, 22, 24	LB-1155 29, 33	LB-918 21
L-5212 28	LB-1156 29	LB-919 21
L-5215 28	LB-1184 28	LB-920 21, 22
L-5217 28	LB-1185 28	LB-921 21
L-5269 29, 32	LB-1186 28	
L-5270 29, 33	LB-1187 28	
L-5361 33, 34	LB-1188 28	
L-5361M 34	LB-1189 28	
L-5436 20	LB-1190 28	
L-5559 20, 22	LB-1194 29	

Whatever your particular wire or cable preparation challenge, we're ready to assist you with practical solutions. Simply send us at least three feet (1 m.) of your wire or cable and complete the questionnaire below. Copy this form and mail to:

IDEAL INDUSTRIES NETWORKS DIVISION
Unit 3, Europa Court, Europa Boulevard, Warrington, Cheshire, WA5 7TN. United Kingdom
FAO: Wire Stripping Application Analysis

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

For immediate assistance, please contact IDEAL INDUSTRIES NETWORKS DIVISION on +44 (0)1925 44 44 46.

Free Application Engineering Service for 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, INC., Sycamore, Illinois.

Please enclose at least **three ft./1 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. 45-930 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 _____

Address _____

City _____ Country _____

Phone _____ Fax _____

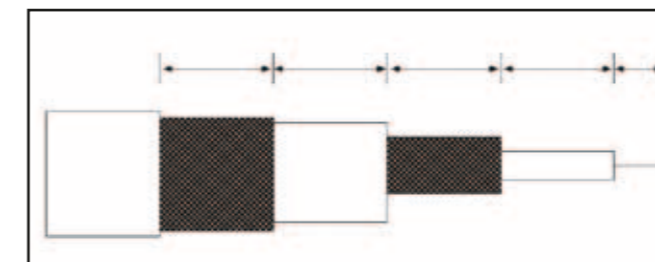
E-mail _____

5. Wire Gauge: _____

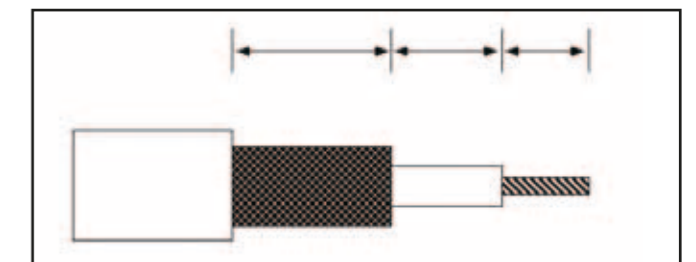
6. MIL-Spec: _____

7. Number of Strips per Day: _____

Triaxial Cable



Coax Cable



5. Remarks: _____
