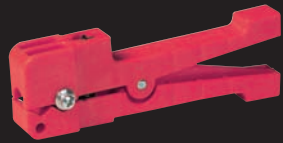




## PRECISION WIRE PROCESSING



SINCE 1916



# 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 upholds 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

IDEAL has been fulfilling wire processing needs since the 1950s. In fact, we were the first to manufacture the die-type blades critical to early aerospace requirements. We continue to work with aerospace engineers to develop even tighter tolerances for wire stripping. 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.



[www.idealindustries.com](http://www.idealindustries.com)



## ***Production Tools***

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## IDEAL Wire Stripper Selection Guide

The type of wire to be stripped and the type of stripping required (commercial or precision) will help determine the appropriate stripping tool for your application.

Insulation type, concentricity of insulation, conductor overall diameter and adherence of insulation determine how precisely a wire can be stripped.

<b>Wire/Cable - Type "E" Teflon® (600V)</b>					
<b>Bench Wire Strippers</b>			<b>Hand Wire Strippers</b>		
	<b>Cat. No.(s)</b>	<b>Page No.</b>		<b>Cat. No.(s)</b>	<b>Page No.</b>
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5	Custom Stripmaster® Wire Strippers	45-176 thru 45-178	7
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6	Custom Stripmaster® Lite Wire Strippers	45-600 Series	8
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6			
<b>Type "EE" Teflon® (1000V)</b>					
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5	Custom Stripmaster® Wire Strippers	45-173 thru 45-175	7
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6	Custom Stripmaster® Lite Wire Strippers	45-600 Series	8
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6			
<b>Aircraft &amp; Special "MIL-spec" Wire</b> Includes: Kapton®, Kynar® Poly X, Milene, 300V Teflon®					
STP Stripping System	45-930	4	Custom Stripmaster® Wire Strippers	45-170 Series	7
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5	Custom Stripmaster® Lite Wire Strippers	45-600 Series	8
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6			
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6			
<b>Fluorinated Ethylene Propylene</b> Includes: FEP, FEPB					
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5	T®-Stripper Wire Strippers	Various	19
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6	Stripmaster® Wire Strippers	45-090 Series	12, 13
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6	Stripmaster® Lite Wire Strippers	45-670 Series	12, 13
			Custom Stripmaster® Wire Strippers	45-170 Series	7
			Custom Stripmaster® Lite Wire Strippers	45-630 Series	8
<b>Hook-up Wire (Thermo Plastic)</b> Includes: MW, TEW, THWN, TW, HF, HW, MTW, T, TF, TEF, TFFN, THW, XHHW					
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5	T®-Stripper Wire Strippers	Various	19
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6	Stripmaster® Wire Strippers	45-090 Series	12,13
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6	Custom Stripmaster® Wire Strippers	45-170 Series	7
			Maxim® Wire Stripper	45-327	18
<b>Heater Cord 2&amp;3 Conductor</b> Includes: HPN, HSO, HC, HPD, HS, HSJ, HSJO					
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6	T®-Stripper Wire Strippers	Various	19
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6	Stripmaster® Wire Strippers	45-090 Series	12,13
			Stripmaster® Lite Wire Strippers	45-670 Series	12,13
			Grip-N-Strip™ End Stripper	45-227	18
			Custom Steel Stripmaster® Wire Strippers	45-800 Series	9

### Free Application Engineering Service

We'll study your specific application requirements and quickly provide you with a practical stripping, cutting or crimping recommendation designed to meet your needs. Remember, this is a FREE service that we're eager to provide. We invite you to take advantage of this service whenever you need it.

See page 40, or for immediate assistance, call our technical service hotline at 800-338-4495.

# IDEAL Wire Stripper Selection Guide

Non-Metallic Sheathed						
Bench Wire Strippers		Cat. No.(s)	Page No.	Hand Wire Strippers	Cat. No.(s)	Page No.
				Grip-N-Strip™ End Stripper	45-227	18
				Reflex™ Premium T®-Stripper	45-415 thru 45-417	18
<b>STP (Outer Jacket)</b>						
STP Stripping System	45-930	5		Ringer™ Shielded Cable Stripper	45-400 Series	16
<b>Power Cords</b> (rubber, neoprene or thermo plastic) Includes: S, SJ, SJT, R, RF, RFH, RH, RHD, RHH, RHW, NRHW, RJ, RM, RP, RS, RU, RUH, RUW, RWS, SA, SD, SDN, SE, SF, SFF, SJO, SJTO, SO, SOW, SPC, SR, SRD, SRDT, ST, STO, SU, SUO, SUT, SW, SWO, SWT, USE, W, WP, RHM, RM, G						
<i>Inner Conductors:</i>				<i>Outer jackets depending on range:</i>		
Stripmaster® Model 950™ Wire Stripper	45-950, 45-950-1	5		Round Cable Slitting and Ringing Tool	45-144, 45-128, 45-129	16
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6				
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6		<i>Inner Conductors:</i>		
				T®-Stripper Wire Strippers	Various	19
				Stripmaster® Wire Strippers	45-090 Series	12, 13
<b>2-Conductor Lamp Cord</b> Includes: POJSJ, PLSJ, PL, POSJX, SP-1, SP-2, SP-3, SPT-2, SPT-3, POT						
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6		Stripmaster® Wire Strippers	45-095, 45-089, 45-270	12
				Custom Steel Stripmaster® Wire Strippers	45-800 Series	9
<b>3-Conductor Lamp Cord</b> Includes: SP-1, SP-2, SP-3, SPT-1, SPT-2, SPT-3						
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6		Stripmaster® Wire Strippers	45-095	12
				Custom Steel Stripmaster® Wire Strippers	45-800 Series	9
<b>Rubber Insulated Fixture Wire</b> Includes: FF-1, FF-2, FFH-1, FFH-2						
Stripmaster® Model 950™ Wire Stripper	45-950	5		T®-Stripper Wire Strippers	Various	19
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6		Stripmaster® Wire Strippers	45-090 Series	12, 13
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6				
<b>Power Cables with Hard Insulations</b> Includes: Kapton®, Teflon®, Hard Nylon, PE, XLP, XLPE						
				Coaxial Cable Stripper (up to 9/16" O.D.)	45-164	17
<b>Multi Layer Fiberglass, Nylon, PVC</b>						
Stripmaster® Model 950™ Wire Stripper	45-950	5		Stripmaster® Wire Strippers	45-090 Series	12, 13
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6				
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6				
<b>Wire used in wire wrap operations, twisted pair</b>						
Stripmaster® Model 950™ Wire Stripper	45-950	5		Custom Stripmaster® Wire Strippers	45-169, 45-179	7
Pow-R-Lite™ Pneumatic Wire Stripper	45-850	6		Custom Stripmaster® Lite Wire Strippers	45-631, 45-641	8
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6				
<b>Coaxial Cable</b>						
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6		Coaxial Cable Strippers	45-162 thru 45-164	17
				Coax Strip & Crimp Tool	30-433	16
				Coax Stripmaster® Wire Stripper	45-262 thru 45-266	12
				Coax Strippers	45-520, 521, 526, 527	24
<b>Ribbon Cable (Flat Cable)</b>						
Pow-R-Master® Pneumatic Wire Stripper	45-2521	6		Custom Steel Stripmaster® Wire Strippers	45-890 thru 45-895	9
<b>Magnet Wire, Film Insulation</b>						
				Handi-Grip™ Wire Skinner	45-021	14

Kapton® and Teflon® are registered trademarks of du Pont de Nemours and Company.  
 Kynar® is a registered trademark of Pennwalt Corp.  
 Toggle® and Cyclops® are registered trademarks of Toggle Tools.

## STP Stripping System

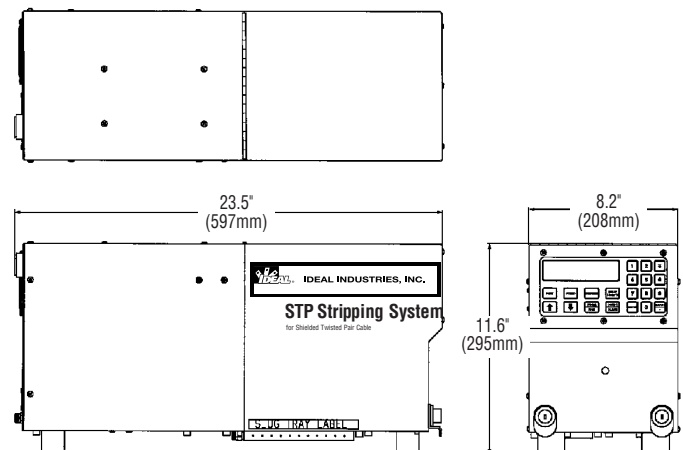
- Programmable Shielded Twisted Pair cable stripping system meets strict tolerances
- Hot-blade thermal stripping system adjusts to protect shielded wire for accurate stripping every time
- Automatically adjusts for cable up to .3125 in. (7.9mm)
- Adjusts for strip length of 1.25 in. to 6 in. (31.7 to 152.4mm)
- Cycles in as little as 6 seconds
- Stores up to 500 batch programs
- Features Password Security System
- Fits in a 24 in. workspace
- RS-232 Serial Data Communications Port



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. air hose, slug ejector tray, IDEAL T <sup>®</sup> -Cutter Lite Wire Cutter, keys and an operation manual	<b>45-930</b>
Air Regulator	<b>45-906</b>
Replacement Blade Set	<b>K-7763</b>
Replacement Front Grip Pad (2 required)	<b>LA-2408</b>
Replacement Standard Rear Grip Pad (6 required)	<b>LA-2414</b>
Replacement Optional Firm Rear Grip Pad (6 required)	<b>LA-2808</b>

Accessories	Blade	Cat. No.
Ringer™ Shielded Cable Stripper, 5 Mil insulation, includes Blade	K-6492	<b>45-401</b>
Ringer™ Shielded Cable Stripper, 8-10 Mil insulation, includes Blade	K-6493	<b>45-402</b>
Ringer™ Shielded Cable Stripper, Cable diameters up to 0.12 in.	sold separately	<b>45-400</b>
Ringer™ Shielded Cable Stripper, Cable diameters from 0.12 in. to 0.22 in.	sold separately	<b>45-403</b>
Ringer™ Shielded Cable Stripper, w/"deep V" for cable diameters up to 0.30 in.	sold separately	<b>45-404</b>
T <sup>®</sup> -Cutter Lite Wire Cutter	N/A	<b>45-260</b>
IDEAL Gripper™ Slug Remover	N/A	<b>45-333</b>

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: 8.2 in. (208mm) Depth: 23.5 in. (597mm) Height: 11.6 in. (295mm)



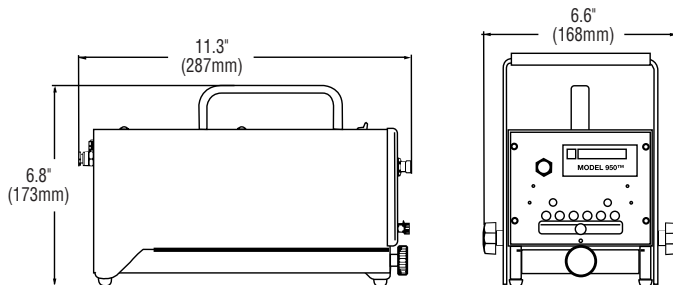
## Stripmaster® Model 950 Wire Stripper

- 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 guide and blades for maximum flexibility
- Controls strip length accurately from .125 in. min to .630 in. max
- Enclosed blade and stripping area
- Individual adjustable strip lengths for each port
- Eliminate repetitive motion disorders



Description	Cat. No.
Stripmaster® with individually adjustable strip lengths per stripping hole*	<b>45-950</b>
Stripmaster® with external adjustment knob for common strip length adjustment*	<b>45-950-1</b>
Permanent Gripper Assembly	<b>45-950-4</b>
Accessories	
Standard blade and bushings	Consult Factory
Flat bushings	Consult Factory
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>
12V Adapter (transformer)	<b>K-7156</b>

\* 3 Feet of wire for each stripping hole must be supplied at time of order.



Technical Data	
<b>Strip Lengths:</b>	Minimum: .125 in. (3mm) Maximum: .63 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>In-line Oiler:</b>	Not required.
<b>Blade type:</b>	Heat treated steel knife or die-type blades are available.
<b>Guide Bushings:</b>	Precision molded and machined Delrin.
<b>Dimensions:</b>	Width: 6.6 in. (168mm) Depth: 11.3 in. (287mm) Height: 6.8 in. (173mm)

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

## Pow-R-Lite™ Pneumatic Wire Stripper



- Versatile production stripper meets commercial, OEM, communications, aerospace and military requirements
- Lightweight aluminum/zinc construction
- One-touch lever actuation reduces repetitive motion and operator fatigue
- Strips PVC type 30 AWG through 12 AWG solid or stranded wire (.05 to 4.0mm)
- Strips Teflon® type 16 AWG through 30 AWG stranded wire
- Includes coil air line
- Will accommodate Stripmaster® Lite and Custom Stripmaster® Lite blades
- Blade sets sold separately

Description	Cat. No.
Pow-R-Lite™ Pneumatic Wire Stripper	<b>45-850</b>
Air Regulator	<b>45-906</b>

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## Pow-R-Master® Pneumatic Wire Stripper



- Versatile production stripper meets commercial, OEM, communications, aerospace and military requirements
- Strips 30 AWG through 10 AWG solid or stranded wire (.05 to 2.6mm)
- One-touch lever actuation
- Includes coil air line
- Uses all standard Stripmaster® and Custom Stripmaster® blades
- Blade sets sold separately

Description	Cat. No.
Pow-R-Master® Pneumatic Wire Stripper	<b>45-2521</b>
Air Regulator	<b>45-906</b>

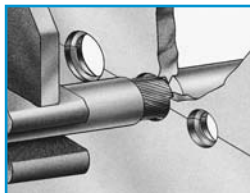


## Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers

- Strips 30 through 10 AWG solid or stranded wire
- Die-type blades allow precision stripping
- Counter-bored holes sized to insulation and inner stripping hole sized to conductor
- Counter-bored holes precisely center conductor to prevent unwanted conductor contact
- Replaceable Grippers
- Optional short stop latch and transparent wire stop
- Cushioned, comfort grip handles
- Custom Stripmaster® Lite is 3/4's the size of Custom Stripmaster® Wire Stripper and strips 16 through 30 AWG solid or stranded wire
- Requires one-third less hand pressure for each strip actuation
- MIL-spec blades assure accuracy and precision
- Engineering Service and made-to-order blades available. Contact factory for complete product and blade number listing



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



Die-type blades incorporate a counter-bored 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 and Die-Type Blades

Specifications — $\frac{\text{Cutting Hole Diameter}}{\text{Counterbore Diameter}}$ (Inches)											Stripper Cat. No.	Blade Only Cat. No.
Wire Size AWG												
30	28	26	24	22	20	18	16	14	12	10		
<b>For Type E Teflon® (660V)</b>												
								$\frac{.076}{.0935}$	$\frac{.096}{.113}$	$\frac{.119}{.136}$	45-176	L-5559
		$\frac{.023}{.039}$	$\frac{.028}{.043}$	$\frac{.034}{.052}$	$\frac{.042}{.0595}$	$\frac{.052}{.070}$	$\frac{.061}{.081}$				45-177	L-5560
$\frac{.016}{.032}$	$\frac{.019}{.035}$	$\frac{.023}{.039}$									45-178	L-5561
<b>For Type EE Teflon® (1000V)</b>												
								$\frac{.076}{.104}$	$\frac{.096}{.125}$	$\frac{.119}{.144}$	45-173	L-5562
		$\frac{.023}{.0465}$	$\frac{.028}{.055}$	$\frac{.034}{.0595}$	$\frac{.042}{.067}$	$\frac{.052}{.0785}$	$\frac{.061}{.089}$				45-174	L-5563
$\frac{.016}{.042}$	$\frac{.019}{.043}$	$\frac{.023}{.0465}$									45-175	L-5564
<b>For Other Misc. Insulations</b>												
								$\frac{.076}{.113}$	$\frac{.0937}{.138}$	$\frac{.116}{.154}$	45-170	L-5210
		$\frac{.022}{.052}$	$\frac{.0292}{.0595}$	$\frac{.035}{.0635}$	$\frac{.042}{.073}$	$\frac{.052}{.086}$	$\frac{.062}{.096}$				45-171	L-5211
$\frac{.016}{.037}$	$\frac{.020}{.040}$	$\frac{.024}{.043}$									45-172	L-5436
<b>For Wire Wrap &amp; Other Thin Insulated Wire</b>												
$\frac{.012}{.020}$								Three identical holes			45-179	L-7625
$\frac{.012}{.019}$	$\frac{.014}{.023}$	$\frac{.018}{.025}$	$\frac{.024}{.033}$					Solid Wires			45-169	L-9300

Tolerances: Cutter Dia.: ± .001; Counter-bore Dia.: ± .002  
 The 45-170 Series is a Custom Stripmaster® Wire Stripper frame without the short stop latch and wire stop.

45-169 through 45-188 include grit-type pads (standard).  
 45-369 through 45-388 include file-type pads.  
 45-469 through 45-488 include parallel-type pads.



### Custom Stripmaster® Wire Strippers and Die-Type Blades

Specifications — $\frac{\text{Cutting Hole Diameter}}{\text{Counterbore Diameter}}$ (Inches)											Stripper Cat. No.	Blade Only Cat. No.
mm² Nom												
0.05	0.08	0.13	0.2	0.22	0.5	1.0	1.5	2.5	4.0	6.0		
<b>For Type E Teflon® (660V)</b>												
								$\frac{1.93}{2.37}$	$\frac{2.44}{2.87}$	$\frac{3.02}{3.45}$	<b>45-176</b>	<b>L-5559</b>
		$\frac{.584}{.99}$	$\frac{.711}{1.09}$	$\frac{.863}{1.32}$	$\frac{1.07}{1.5}$	$\frac{1.33}{1.78}$	$\frac{1.55}{2.06}$				<b>45-177</b>	<b>L-5560</b>
$\frac{.406}{.813}$	$\frac{.482}{.889}$	$\frac{.584}{.99}$									<b>45-178</b>	<b>L-5561</b>
<b>For Type EE Teflon® (1000V)</b>												
								$\frac{1.93}{2.64}$	$\frac{2.44}{3.17}$	$\frac{3.02}{3.6}$	<b>45-173</b>	<b>L-5562</b>
		$\frac{.584}{1.17}$	$\frac{.711}{1.39}$	$\frac{.863}{1.5}$	$\frac{1.07}{1.70}$	$\frac{1.33}{1.99}$	$\frac{1.55}{2.49}$				<b>45-174</b>	<b>L-5563</b>
$\frac{.406}{1.07}$	$\frac{.482}{1.09}$	$\frac{.584}{1.17}$									<b>45-175</b>	<b>L-5564</b>
<b>For Other Misc. Insulations</b>												
								$\frac{1.93}{2.87}$	$\frac{2.38}{3.45}$	$\frac{2.94}{3.91}$	<b>45-170</b>	<b>L-5210</b>
		$\frac{.560}{1.33}$	$\frac{.736}{1.5}$	$\frac{.889}{1.61}$	$\frac{1.07}{1.85}$	$\frac{1.33}{2.18}$	$\frac{1.57}{2.44}$				<b>45-171</b>	<b>L-5211</b>
$\frac{.406}{.940}$	$\frac{.508}{1.01}$	$\frac{.609}{1.09}$									<b>45-172</b>	<b>L-5436</b>
<b>For Wire Wrap &amp; Other Thin Insulated Wire</b>												
$\frac{.305}{.508}$								<b>Three identical holes</b>			<b>45-179</b>	<b>L-7625</b>
$\frac{.305}{.482}$	$\frac{.356}{.584}$	$\frac{.457}{.635}$	$\frac{.609}{.838}$								<b>45-169</b>	<b>L-9300</b>

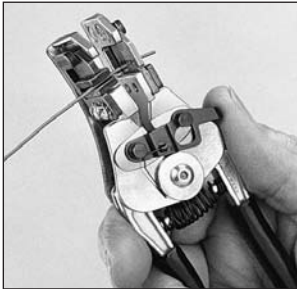
Tolerances: Cutter Dia.: ± .025mm; Counterbore Dia.: ± .051mm

### Custom Stripmaster® Lite Wire Strippers and Die-type Blades

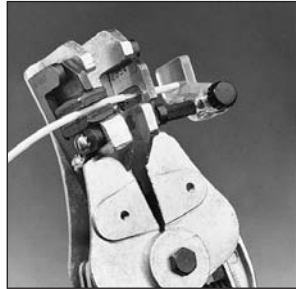
Specifications — $\frac{\text{Cutting Hole Diameter}}{\text{Counterbore Diameter}}$ (Inches)									Stripper Cat. No.	Blade Only Cat. No.
Wire Size AWG										
30	28	26	24	22	20	18	16			
<b>MIL-W-16878 Type E 600V Teflon® Wire</b>										
				$\frac{.034}{.052}$	$\frac{.042}{.0595}$	$\frac{.052}{.070}$	$\frac{.061}{.081}$		<b>45-638</b>	<b>LB-918</b>
		$\frac{.023}{.039}$	$\frac{.028}{.043}$	$\frac{.034}{.052}$	$\frac{.042}{.0595}$				<b>45-639</b>	<b>LB-919</b>
$\frac{.016}{.032}$	$\frac{.019}{.035}$	$\frac{.023}{.039}$	$\frac{.028}{.043}$						<b>45-640</b>	<b>LB-920</b>
<b>MIL-W-16878 Type EE 1000V Teflon® Wire</b>										
				$\frac{.034}{.0595}$	$\frac{.042}{.067}$	$\frac{.052}{.0785}$	$\frac{.061}{.089}$		<b>45-635</b>	<b>LB-915</b>
		$\frac{.023}{.0465}$	$\frac{.028}{.055}$	$\frac{.034}{.0595}$	$\frac{.042}{.067}$				<b>45-636</b>	<b>LB-916</b>
$\frac{.016}{.042}$	$\frac{.019}{.043}$	$\frac{.023}{.0465}$	$\frac{.028}{.055}$						<b>45-637</b>	<b>LB-917</b>
<b>General Purpose</b>										
				$\frac{.035}{.0635}$	$\frac{.042}{.073}$	$\frac{.052}{.086}$	$\frac{.062}{.096}$		<b>45-632</b>	<b>LB-912</b>
		$\frac{.022}{.052}$	$\frac{.0292}{.0595}$	$\frac{.035}{.0635}$	$\frac{.042}{.073}$				<b>45-633</b>	<b>LB-913</b>
$\frac{.016}{.037}$	$\frac{.020}{.040}$	$\frac{.024}{.043}$	$\frac{.0292}{.0595}$						<b>45-634</b>	<b>LB-914</b>
<b>Wire Wrapping (Thin Insulation Solid Wire)</b>										
$\frac{.012}{.020}$						<b>Four holes, same size</b>			<b>45-641</b>	<b>LB-921</b>
$\frac{.012}{.019}$	$\frac{.014}{.023}$	$\frac{.018}{.025}$	$\frac{.024}{.033}$			<b>Solid Wires</b>			<b>45-631</b>	<b>LB-911</b>

Tolerances: Cutter Dia.: ± .001; Counterbore Dia.: ± .002. Teflon® is a registered trademark of E.J. du Pont de Nemours and Company.

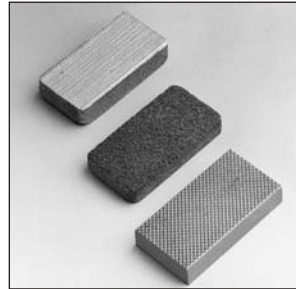
## Custom Stripmaster® Wire Stripper Accessories



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



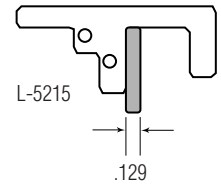
Transparent wire stop provides uniform stripping length.



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

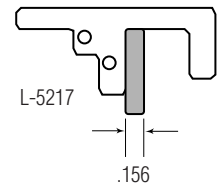
### Stationary Gripper for Red Handle Units

For 10, 12 & 14 AWG Wire



### Stationary Gripper for Black Handle Units

For 16 thru 30 AWG wire.



### 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 (1.09 in.)

\* Gripper Set includes...

\*\* Grit pads are standard for all products

† Formerly L-7954

‡ Formerly L-8928. 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. stationary gripper.

For 16-30 AWG, use .156 in. gripper.

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

### Optional Accessories

Short Stop Latch	Cat. No.
Frame only, 10-14 AWG	<b>L-5269</b>
Frame only, 16-30 AWG	<b>LB-1194</b>

### Replacement Frame Assemblies

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

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	<b>LB-895</b>
Frame only, Wire Stop and Latch	<b>LB-896</b>

For Custom Steel Stripmaster® Wire Strippers	Cat. No.
Frame only, 10-14 AWG	<b>LB-1091</b>
Frame only, 16-30 AWG	<b>LB-1092</b>
Frame only, 10-14 AWG, internal spring (see note)	<b>LB-1090</b>
Frame only, 16-30 AWG, internal spring (see note)	<b>LB-1089</b>

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

Transparent Adjustable Wire Stop Assembly	Cat. No.
For Custom & Custom Steel Stripmaster® Wire Strippers	<b>L-5270</b>
For Custom Stripmaster® Lite Wire Strippers	<b>LB-1195</b>

### 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	NA	NA	<b>LB-1091</b>
Flat blade for 26 AWG (.40mm dia.) multi-conductor	.022 in.	<b>LB-1151</b>	<b>45-890</b>
Flat blade for 24 AWG (.00mm dia.) multi-conductor	.030 in.	<b>LB-1152</b>	<b>45-891</b>
Flat blade for 22 AWG (.64mm dia.) multi-conductor	.038 in.	<b>LB-1153</b>	<b>45-892</b>
Flat blade for 20 AWG (.00mm dia.) multi-conductor	.050 in.	<b>LB-1154</b>	<b>45-893</b>
Flat blade for 18 AWG (1.02mm dia.) multi-conductor	.060 in.	<b>LB-1155</b>	<b>45-894</b>
Flat blade for 16 AWG (1.29mm dia.) multi-conductor	.075 in.	<b>LB-1156</b>	<b>45-895</b>

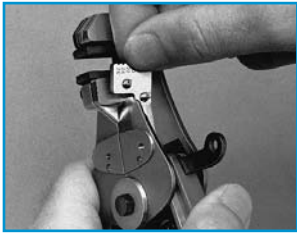
**Custom Stripmaster® Wire Stripper and Custom Stripmaster® Lite Wire Stripper MIL-spec reference chart**

Wire Specification	Custom Stripmaster® Blade Cat. No.	Wire Gauge	Custom Stripmaster® Lite Blade Cat. No.	Wire Gauge
MIL-W-81044/4/5/6 MIL-W-5086/1/7	L-5210 L-5211	10-14 AWG 16-26 AWG	LB-912 LB-913	16-22 AWG 20-26 AWG
MIL-W-81044/8/9/10 MIL-W-16878/5 MIL-W-81381/3/4	L-5562 L-5563 L-5564	10-14 AWG 16-26 AWG 26-30 AWG	LB-915 LB-917 LB-917	16-22 AWG 24-30 AWG 34-30 AWG
MIL-W-22759/32/33/44/45/46	45-1987-1 45-1654-1 L-5561	16-26 AWG 16-26 AWG 26-30 AWG	45-2133-1 45-2132-1 LB-920	16-24 AWG 16-24 AWG 24-30 AWG
MIL-81044/11/12/13	45-1611-1 45-2500-1 45-1987-1  L-5561	10-14 AWG 10-14 AWG 16-26 AWG  26-30 AWG	   45-2133-1 45-2118-1 LB-920	   16-24 AWG 20-26 AWG 24-30 AWG
Raychem 44A021X, 44/051X MIL-W-16878/4 MIL-W-22759/11/12/22/23	L-5559 45-1611-1 L-5560  L-5561	10-14 AWG 10-14 AWG 16-26 AWG  26-30 AWG	  45-2138-1 45-2139-1 LB-920	  16-24 AWG 18-26 AWG 24-30 AWG
MIL-W-81044/16/17	45-1611-1 45-1610-1	10-14 AWG 16-26 AWG	45-2112-1 45-2113-1 45-2131-1	20-26 AWG 16-22 AWG 16-24 AWG
MIL-W-81381/1/2/6/7/8/9/10/17/21	45-1609-1 45-1551-1  L-5561	10-14 AWG 16-26 AWG  26-30 AWG	45-2124-1 45-2125-1 LB-920	16-22 AWG 20-26 AWG 24-30 AWG
MIL-W-81381/11/12/13/14/22	45-1608-1 45-1654-1 L-5561	10-14 AWG 16-26 AWG 26-30 AWG	45-2114-1 45-2115-1 45-2132-1 LB-920	20-26 AWG 16-22 AWG 16-24 AWG 24-30 AWG
MIL-W-22759/18/19	45-1608-1 45-1551-1	10-14 AWG 16-26 AWG	45-2125-1 45-2612-1 45-2125-1	20-26 AWG 16-24 AWG 20-26 AWG
MIL-W-81381/17/21	45-1523-1 45-1672-1 45-1633-1	16-26 AWG 16-26 AWG 16-26 AWG	45-2020-1 45-2121-1	20-26 AWG 16-24 AWG
MIL-W-81381/18/19/20	45-1609-1 45-1672-1 45-1551-1	10-14 AWG 16-26 AWG 16-26 AWG	45-2124-1 45-2125-1 45-2612-1	16-22 AWG 20-26 AWG 16-24 AWG
MIL-W-22759/16/17	45-1611-1 45-1987-1	10-14 AWG 16-26 AWG	45-2133-1 45-2118-1	16-24 AWG 22-26 AWG
MIL-W-22759/7/8	45-1501-1 45-1500-1	10-14 AWG 16-22 AWG		
MIL-W-5086 TYPE I MIL-W-5086 TYPE II	45-1192-1 45-1159-1 45-1302-1	8-12 AWG 10-14 AWG 16-22 AWG		
MIL-W-24640/19/22/23/24	45-1957-1	14-22 AWG		
MIL-W-85485/5/6/7/8	45-1925-1 45-1924-1	10-14 AWG 16-24 AWG		
MIL-W-85485/9/10/11/12 MIL-W-85485/9/10	45-1611-1 45-1610-1	10-14 AWG 16-24 AWG	45-2131-1	16-24 AWG
BMS 1360 Type 1-6, 19-21, 23-27, 33-34	45-2541-1 45-2543-1	10-14 AWG 16-24 AWG	45-2697-1	16-24 AWG
BMS 1360 Type 12-18, 28-32	45-2542-1 45-2544-1	10-14 AWG 16-24 AWG		
BMS 1360 Type 7-12	45-2565-1 45-2564-1	10-14 AWG 16-26 AWG		
BMS 1360 Type 13-18, 28-32	45-2686-1	16-24 AWG	45-2698-1	16-24 AWG
MIL-W-22759/80/81/82/91/92	45-2542-1 45-2544-1	10-14 AWG 16-24 AWG	45-2693-1 45-2692-1	16-22 AWG 20-26 AWG
MIL-W-22759/83/84/85/86/87/88/89/90	45-2541-1 45-2543-1 45-2618-1	10-14 AWG 16-24 AWG 16-26 AWG	45-2685-1 45-2799-1	16-24 AWG 16-24 AWG
5MDI AIRFRAME Type A & B Medium Wall	45-2691-1	10-14 AWG	45-2685-1	16-24 AWG
5MDI Hook-up Type C Thin Wall	45-2694-1	10-14 AWG	45-2693-1 45-2692-1	16-22 AWG 20-26 AWG
ACT 260 Type 1 ACT 260 Type 2	45-2024-1 45-2025-1 45-2026-1	16-24 AWG 16-24 AWG 12-14 AWG		
PAN TYPE 6411, 6423, 6413	45-1939-1 45-1774-1 45-1952-1 45-1773-1	10-14 AWG 12-14 AWG 16-26 AWG 16-24 AWG		
MIL-W-5M2870	45-2577-1	16-24 AWG		
RAYCHEM 99 M	45-2688-1	16-24 AWG	45-2721-1	16-24 AWG

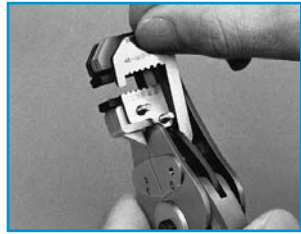
NOTE: The above blades represent the best blade for nominal conductor sizes within the wire spec. tolerance. If the conductor size is over or under the nominal dims. an alternate blade may be required. Please contact our wire stripping applications engineer at 1-800-435-0705 ext. 300 for alternate blades and for blade numbers for MIL-specs. not listed on this chart.

## Calibration Procedures

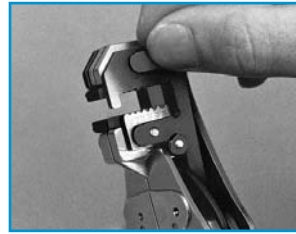
*For Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers with Die-Type Blades*



**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.

**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 grippers 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 10 through 12 for blade selection guidelines.



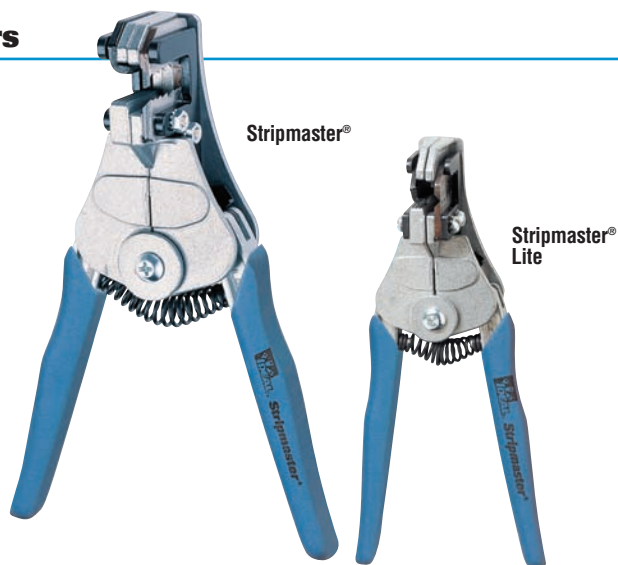
**Optical Comparator**  
Some customers will have access to an optical comparator which can assist in determining proper blade alignment. In this case, light is used to project blade gap onto a screen. A template affixed to the screen verifies blade hole size and position. A fixture should be used for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

## Stripmaster® and Stripmaster® Lite Wire Strippers

- One-step stripping enhances productivity
- Spring-action motion increases leverage and reduces operator fatigue
- Precision-ground, knife-type blades provide clean, accurate 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®



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

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

Hole diameter tolerances +.001/-.005

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

Specifications — Stripping Hole Diameter (Inches)													Cat. No.	Replacement Blades (Pair) Cat. No.	
Wire Size AWG															
Cutting Edge	20/22	16/18	30	28	26	24	22	20	18	16	14	12			
							.039	.048	.061	.072				<b>45-671</b>	<b>LB-1001</b>
			.016	.021	.026	.032								<b>45-672</b>	<b>LB-1002</b>
							(All stranded wire)		.061	.072	.090	.113		<b>45-673</b>	<b>LB-1003</b>
							(12 & 14 Solid wire, 16 & 18 Stranded wire)		.061	.073	.085	.096		<b>45-674</b>	<b>LB-1004</b>
.250 Wide	.048	.072												<b>45-675</b>	<b>LB-1005</b>

### Coax Stripmaster® Wire Strippers and Blades

Description	Coax Cable Type (RGU)	Repl. Blade Cat. No.	Cat. No.
Coax Stripmaster® for RG-6	RG-6	<b>LB-740</b>	<b>45-262</b>
Coax Stripmaster® for RG-58	RG-58	<b>LB-742</b>	<b>45-264</b>
Coax Stripmaster® for RG-59	RG-59	<b>LB-743</b>	<b>45-265</b>
Coax Stripmaster® for RG-62	RG-62	<b>LB-744</b>	<b>45-266</b>
Coax Stripmaster® for RG-6 QuadShield	RG-6 QuadShield	<b>LA-3953</b>	<b>45-282</b>

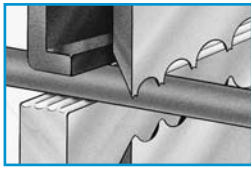
Coaxial Cables: two-step strip for termination, jacket and dielectric.

### Stripmaster® Wire Strippers with Rectangular Holes

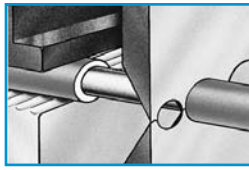
Description	Cat. No.	Replacement Blades (Pair) Cat. No.
For Flat Telephone Cable (.60 in. or 1.52mm)	<b>45-270</b>	<b>LB-1155</b>
For European Flat Lamp Cord	<b>45-089</b>	<b>L-8762</b>
For SP-SPT Lamp Cord	<b>45-095*</b>	<b>L-4452</b>

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

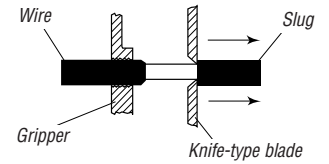
Optional Accessories	Cat. No.
Transparent Adjustable Wire Stop (for Stripmaster® Wire Strippers)	<b>L-5270</b>
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	<b>LB-1195</b>



Gripper holds the wire securely in position.



Knife-type stripping blades have form-ground holes which penetrate the insulation like a knife, giving a clean insulation cut.



## 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															
30	28	26	24	22	20	18	16	14	12	10	8				
									2.7	3.6	4		45-090 or 45-290	L-4419	L-5620
							1.8	2.3	2.7	3.6			45-091	L-4420	L-5620
					1.2	1.5	1.8	2.3	2.9	3.6			45-092 or 45-292-241	L-4421	L-5620
					1.2	1.5	1.8	2.3					45-093	L-4422	L-5620
					1.2	1.5	1.8						45-097	L-4994	L-5620
0.4	0.5	0.7	0.8	1	1.2								45-098	L-5361	L-5620
						1.4	1.6			4.2	5		45-099	L-8763	L-5620

## 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																
20/22	16/18	30	28	26	24	22	20	18	16	14	12	Cutting Edge				
						1	1.2	1.5	1.8					45-671	LB-1001	LB-1421
		0.4	0.5	0.7	0.8									45-672	LB-1002	LB-1421
		(All stranded wire)							1.5	1.8	2.3	2.9		45-673	LB-1003	LB-142
		(12 & 14 Solid wire, 16 & 18 Stranded wire)							1.5	1.9	2.2	2.4		45-674	LB-1004	LB-1421
1.2	1.8											6.4 wide	45-675	LB-1005	LB-1421	

## 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)																	
10	8	6	4	2.5	1.5	1	0.75	0.5	0.34	0.22	0.15	0.1	0.05				
5	4.3														45-090-341 or 45-290-341	L-4419M	LA-2358
		3.6	3	2.4	1.9	1.6	1.3								45-092-341 or 45-292-341	L-4421M	LA-2358
								1.1	1	0.9	0.8	0.7	0.6		45-098-341 or 45-298-341	L-5361M	LA-2358

## 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)												
1.5	1	0.75	0.5	0.34	0.22	0.15	0.1	0.05				
1.9	1.6	1.3	1.1	1						45-671-341	LB-1001M	H-2909
					0.9	0.8	0.7	0.6		45-672-341	LB-1002M	H-2909

Free Application Engineering Service and made-to-order Custom Stripmaster® and Stripmaster® Wire Strippers are available. Contact IDEAL INDUSTRIES, INC. for complete information at 1-800-435-0705.

## Thermo-Shrink® Heat Shrink Kit

Kit includes:

- Eleven sizes of thin-wall heat shrinkable tubing disks (3/64" – 1")
- 101 Plus Heat Gun with three different nozzles for controlled temperature ranges – 600°F to 1,250°F (315°C to 675°C)
- Small deflector
- Premium T®-Cutter Wire Cutter



Description	Cat. No.
Kit includes: 45-223, 46-013, 46-923, 46-941, & 46-600 through 46-610	<b>46-007</b>

## High-Capacity Heat Guns



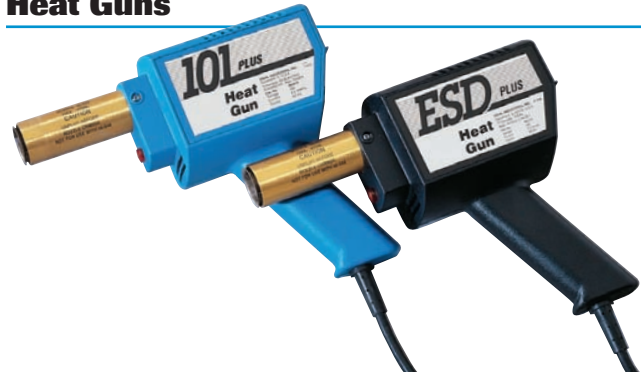
- Increased air volume for broad-range applications
- For all heat shrinkable tubing (including Teflon®)
- Whisper-quiet brushless motor requires no maintenance
- Lightweight balanced design for hand-held or bench use
- Thermally insulated nozzles interchange quickly with color-coding to identify heat ranges – 700°F to 1,100°F (370°C to 595°C)
- Safety grounded, non-metallic housing
- Asbestos-free insulated construction
- Deflectors and adapters available for heat concentration and solder-sleeve applications

### Specifications

Dimensions	10-3/8" long (264mm) 9" high (229mm)
Weight	3-1/2 lbs. (1.6kg)
Input	120V 60 Hz., 12.5 amps 220V, 50 Hz., 6.0 amps
Motor	Shaded pole
Nozzle Length	4-3/8" (111mm)
Nozzle Opening	1-1/4" dia. (32mm)
Cord Length	7 ft. (2m)

Description	Cat. No.
High-Capacity Heat Gun w/gold nozzle 120V, 60 Hz., 12.5A, UL Listed	<b>46-021</b>
High-Capacity Heat Gun w/gold nozzle 220V, 50 Hz., 6.0A	<b>46-022</b>

## 101 Plus Heat Guns



- For applications with specific heat requirements or small target areas – perfect for electronic assembly
- Exclusive brushless motor minimizes both motor noise and maintenance
- Thermally insulated nozzles interchange quickly with color-coding to identify heat ranges – 600°F to 1,250°F (315°C to 675°C)
- Balanced design eliminates operator fatigue
- Impact-resistant housing stands up to rugged environments and the demands of industrial work

### Specifications

Dimensions	8-3/4" long, (222mm) 7-3/4" high (197mm)
Weight	2 lbs. (0.9kg)
Input	120V, 60 Hz., 4.5 amps 220V, 50/60 Hz., 2.0 amps
Motor	Shaded pole
Nozzle Length	3-7/8" (98.5mm)
Nozzle Opening	1" dia. (25.5mm)
Cord Length	7 ft. (2m)

Description	Cat. No.
101 Plus Heat Gun w/gold nozzle 120V, 60 Hz., 4.5A, UL Listed	<b>46-013</b>
101 Plus Heat Gun w/ESD case & gold nozzle 120V, 60 Hz., 4.5A, UL Listed	<b>46-113</b>
101 Plus Heat Gun w/gold nozzle 220V, 50/60 Hz., 2.0A	<b>46-014</b>
Heat Gun stand for 46-013 & 46-014	<b>46-105</b>



## Heat Gun Nozzles and Adapters



- Thermally insulated interchangeable nozzles
- Color-coded to identify heat ranges – 600°F to 1,250°F (315°C to 675°C)
- Adapters and reflectors for heat concentration and solder-sleeve applications

### Suggested Nozzles for Heat Shrinkables

Type Tubing	Common or Trade Designation	Approximate Shrink Temperature	Suggested Heat Nozzle
Polyester	Mylar	175°F (80°C)	Green
Polyvinyl Chloride	PVC Vinyl	250°F (120°C)	Gold
Irradiated Polyvinyl Chloride	PVC Vinyl	250°F (120°C)	Gold
Polytetrafluoroethylene	Teflon® PTFE TFE	621°F (330°C)	Red
Polyfluorinated Ethylene Propylene	FEP	300°F (150°C)	Gold
Polyvinylidene Fluoride	Kynar®	350°F (175°C)	Gold
Irradiated Polyolefin	—	275°F (135°C)	Gold
Irradiated Neoprene	—	350°F (175°C)	Gold
Irradiated Silicone	—	350°F (175°C)	Gold
Irradiated Butyl	—	250°F (120°C)	Gold

### Nozzles for 120V, 101 Plus Heat Gun (46-013 and 46-113)

Color	Nominal Temp. Range	BTU/Joule	Wattage	Cat. No.
Green	600°–800°F (315°–425°C)	1,110/1,170	325	<b>46-921</b>
Gold	800°–1,000°F (425°–540°C)	1,620/1,710	475	<b>46-922</b>
Red	1,000°–1,250°F (540°–675°C)	1,790/1,890	525	<b>46-923</b>

### Nozzles for 220V, 101 Plus Heat Gun (46-014)

Color	Nominal Temp. Range	BTU/Joule	Wattage	Cat. No.
Green	600°–800°F (315°–425°C)	840/886	245	<b>46-924</b>
Gold	800°–1,000°F (425°–540°C)	1,140/1,203	335	<b>46-925</b>
Red	1,000°–1,250°F (540°–675°C)	1,380/1,888	405	<b>46-926</b>
Silver (240V only)	1,000°–1,250°F (540°–675°C)	1,540/1,625	450	<b>46-927</b>

### Nozzles for 120V, High-Capacity Heat Gun (46-021)

Color	Nominal Temp. Range	BTU/Joule	Wattage	Cat. No.
Gold	700°–900°F (370°–480°C)	3,690/3,890	1,080	<b>46-932</b>
Red	900°–1,100°F (480°–595°C)	4,910/5,180	1,440	<b>46-933</b>

### Nozzles for 220V, High-Capacity Heat Gun (46-022)

Color	Nominal Temp. Range	BTU/Joule	Wattage	Cat. No.
Gold	700°–900°F (370°–480°C)	3,690/3,890	1,080	<b>46-934</b>
Red	900°–1,100°F (480°–595°C)	4,910/5,180	1,440	<b>46-935</b>
Red (240V only)	900°–1,100°F (480°–595°C)	4,910/5,180	1,440	<b>46-936</b>

### Adapters for Heat Guns

Description	Cat. No.
Solder sleeve adapter for 46-013 & 46-014	<b>46-940</b>
Small deflector – 1-1/4 in. (32mm) diameter	<b>46-941</b>
Large deflector – 2 in. (51mm) diameter	<b>46-942</b>
Cone adapter – 1 in. (25mm) opening	<b>46-943</b>
Pin point adapter – 1/4 in. (6mm) opening	<b>46-944*</b>
Solder sleeve adapter for 46-021 & 46-022	<b>46-945</b>

\*For use with 46-021 & 46-022 High-Capacity Heat Guns only

## Handi-Grip™ Wire Skinner

- Cuts and strips insulation
- Scrapes wire and straightens kinks and sharp bends
- Strips enamel, Formvar and Formex



Description	Cat. No.
Handi-Grip™ Wire Skinner	<b>45-021</b>
Replacement blade set	<b>L-554</b>

## 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. O.D.
- Blade adjusts for jacket thicknesses up to .125 in.
- Spare blade in handle base

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

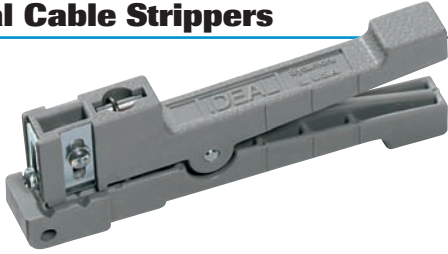
## Coaxial Strip & Crimp Tool



- Cuts, strips and crimps connectors on RG-59 and RG-6 coaxial cable
- Durable blades cut copper-coated steel conductors
- Two precision form-ground stripping holes remove outer PVC or polyethylene jacket material from RG-59 or RG-6 cable
- Third stripping hole removes inner plastic insulation from RG-59 or RG-6 cable without nicking center conductor
- Two crimping nests marked for cable size perform a “one-squeeze” crimp on standard “F” series fasteners
- Third nest crimps ring terminals, or can also be used to grasp RG-6 cable and aid in connector installation
- Comfortable, cushion-grip handles

Description	Cat. No.
RG-59 & RG-6 Coax Strip & Crimp Tool	<b>30-433</b>

## Coaxial Cable Strippers

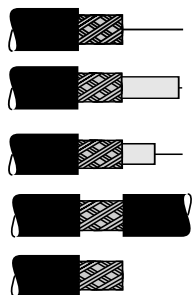


- Lightweight, compact, cost-effective stripper is simple to operate
- Adjustable blades can be set for any depth to help ensure nick-free strips
- Use with twisted-pair wire, tightly wrapped stranded cables, CATV cable, CB antenna cable, SO, SJ, SJT, and other types of flexible power cords
- Includes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

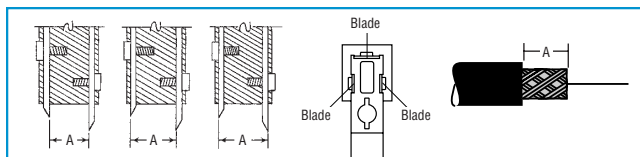
Description	Typical RG Cables	Cat. No.
Coaxial Cable Stripper, up to 1/8 in. (3.2 mm) O.D.	RG-174, RG-187	<b>45-162</b> (Gray)
Coaxial Cable Stripper, 1/8 in. (3.2 mm) to 7/32 in. (5.556 mm) O.D.	RG-58, CB Antenna Cable	<b>45-163</b> (Blue)
Coaxial Cable Stripper, 1/4 in. (6.4 mm) to 9/16 in. (14.3 mm) O.D.	RG-8	<b>45-164</b> (Blue)
Cable Stripper, 3/16 in. (4.8 mm) to 5/16 in. (8 mm) O.D.	RG-59, UTP Cable	<b>45-165</b> (Black)
Replacement blade set* for 45-162, 45-163, 45-165	—	<b>L-9225</b>
Round slitting blade for 45-162, 45-163, 45-165	—	<b>L-9212</b>
Replacement blade set* for 45-164	—	<b>L-9226</b>
Round slitting blade for 45-164	—	<b>L-9214</b>

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

1. Coaxial Cables: two-step strip for termination, jacket and dielectric
2. Coaxial Cable: two-step strip for termination, jacket and shield
3. Coaxial Cable: three-step strip for termination. The three-step strip can be accomplished in one of two ways
4. Coaxial Cable - window (center) strip
5. Stranded Wrapped Cable-end strip



A typical 2-step strip. For 3-step strips, set the right hand blade to cut braid. Use the Stripmaster® Wire Stripper to strip dielectric.



Three blade mounting configurations to obtain different "A" distances.  
**NOTE 1.** All dimensions "A" are  $\pm .005$ " Wider dimensions "A" can be obtained by spacing with spare blades or appropriate shim stock. Narrower dimensions "A" are special order. Please contact IDEAL.  
**NOTE 2.** By flipping one or both blades around, dimension "A" can be varied from 0.230 in. to 0.275 in. (5.84mm to 6.98mm) on 45-162, 45-163 and 45-165, and 0.48 in. to 0.53 in. (12.19mm to 1.35mm) on 45-164.

## Seven-In-One Stripper



- Versatile, seven-function tool features precision-ground stripping blades, cushioned grips and plier nose
- Strips 6 to 16 AWG solid and 8 to 18 AWG stranded wire
- Crimps bare and insulated terminals for 10 to 22 AWG wire, RG-59 coax connectors and 7 to 8mm auto ignition connectors
- Cuts unhardened wire, bolts and screws (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads
- Cuts stranded, solid, Romex® and U.F. wire to 6 AWG
- Reams and de-burrs conduit
- Gauges and loops wire
- Cushioned, comfort-grip handles

Description	Cat. No.
Seven-In-One Stripper	<b>45-777</b>

## Combo Tool



- Convenient, four-function tool features precision-ground stripping holes and knife-to-anvil cutting blades
- Crimps bare and insulated terminals
- Strips 8 to 20 AWG solid and 10 to 22 AWG stranded wire
- Cuts unhardened bolts (4-40, 6-32, 8-32, 10-24 and 10-32) and reforms threads
- Cushioned, comfort-grip handles

Description	Cat. No.
Combo Tool	<b>30-428</b>

## Grip-N-Strip™ End Stripper



- Self-adjusting stripping blades automatically select proper position
- Strips 12 AWG solid to 20 AWG stranded PVC insulated wire
- Dual strip-length gauge marks at 3/16 in. and 5/16 in.
- Cuts up to 12 AWG solid wire
- Lightweight, ergonomic design reduces user fatigue
- Reinforced fiberglass construction
- Hardened steel blades for extra strength and longer life

Description	Cat. No.
Grip-N-Strip™ End Stripper	<b>45-227</b>
Leather holster	<b>45-301</b>
Replacement blade set	<b>LB-1501</b>

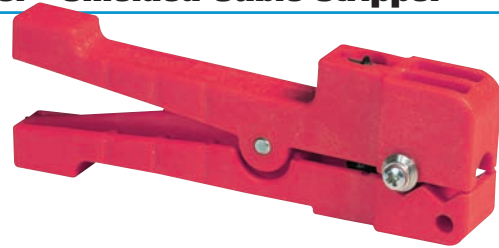
## Maxim Wire Stripper



- Uses 33 blades within each jaw to self-adjust and conform to the profile of different wire sizes and insulation densities
- Self-adjusting blades strip 10 to 26 AWG solid or stranded wire
- Built-in wire cutter
- Strip length adjusts from 1/8 in. to 3/4 in.
- Reinforced fiberglass construction

Description	Cat. No.
Maxim Wire Stripper	<b>45-327</b>
Replacement blade set	<b>LA-2524</b>

## Ringer™ Shielded Cable Stripper



- Precision stripping of most non-round cable, including extruded Teflon®, Kapton®, Tefzel®, Kynar® and high-temperature insulated cable
- Spring-loaded head provides even tension
- Heat-treated, stainless-steel blades resist wear
- Fixed blades are sized to insulation thickness for accurate stripping
- V-notch jaw automatically positions and holds cable
- Wire guide roller maintains stripping head alignment for square, clean cuts

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

### Replacement Blades

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

Select blade with cutting depth less than insulation thickness.

### Wire-stops

Strip Length	Cat. No.
Up to 2-1/2 in.	<b>LB-825</b>
2-1/2 in. to 5 in.	<b>LB-840</b>

### IDEAL Gripper™

Description	Cat. No.
Slug Remover	<b>45-333</b>

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## 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
- Locking tabs keep spring in place

Description	Wire Range	Cat. No.
T <sup>®</sup> -5 T <sup>®</sup> -Stripper	10-18 AWG solid	45-120
T <sup>®</sup> -6 T <sup>®</sup> -Stripper	16-26 AWG stranded	45-121
T <sup>®</sup> -7 T <sup>®</sup> -Stripper	22-30 AWG solid	45-125
T <sup>®</sup> -8 T <sup>®</sup> -Stripper	8-16 AWG stranded	45-124
T <sup>®</sup> -Stripper – Metric	0.75-6mm <sup>2</sup>	45-120-341
T <sup>®</sup> -Stripper – Metric	0.5-4mm <sup>2</sup>	45-125-341

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



All of the T<sup>®</sup>-Stripper features plus:

- Contoured, comfort-grip handles to reduce operator fatigue

Description	Wire Range	Cat. No.
Premium T <sup>®</sup> -5 T <sup>®</sup> -Stripper	10-18 AWG solid	45-215
Premium T <sup>®</sup> -6 T <sup>®</sup> -Stripper	16-26 AWG stranded	45-216
Premium T <sup>®</sup> -7 T <sup>®</sup> -Stripper	22-30 AWG solid	45-217
Premium T <sup>®</sup> -8 T <sup>®</sup> -Stripper	8-16 AWG stranded	45-218

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



All of the T<sup>®</sup>-Stripper features plus:

- 6-32 and 8-32 self-chasing screw-cutting holes
- Curved, cushion-grip handles for ergonomic comfort
- Locking pawl to keep stripper in closed position

Description	Wire Range	Cat. No.
Super T <sup>®</sup> -5 T <sup>®</sup> -Stripper	8-16 AWG solid	45-315
Super T <sup>®</sup> -8 T <sup>®</sup> -Stripper	8-16 AWG stranded	45-318
Super T <sup>®</sup> -Stripper – Metric	0.5-4mm <sup>2</sup>	45-310-341
Super T <sup>®</sup> -Stripper – Metric	0.75-6mm <sup>2</sup>	45-315-341
Super T <sup>®</sup> -Stripper – Metric	0.5-4mm <sup>2</sup>	45-317-341

## Super T<sup>®</sup>-Stripper Wire Strippers—Static Dissipative



All of the Super T<sup>®</sup>-Stripper features plus:

- Static dissipative grips for dispersing static charge buildup through the operator to the ground (operator must be grounded via wrist strap or other grounding device)

Description	Wire Range	Cat. No.
Super T <sup>®</sup> -6 T <sup>®</sup> -Stripper w/static dissipative grips	16-26 AWG stranded	45-316
Super T <sup>®</sup> -7 T <sup>®</sup> -Stripper w/static dissipative grips	22-30 AWG solid	45-317

## Reflex™ Premium T®-Stripper Wire Strippers



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

Description	Wire Range	Cat. No.
Reflex™ Premium T®-Stripper	10-18 AWG solid	<b>45-415</b>
Reflex™ Premium T®-Stripper (10 pc. clip strip)	10-18 AWG solid	<b>45-415CS</b>
Reflex™ Premium T®-Stripper	16-26 AWG stranded	<b>45-416</b>
Reflex™ Premium T®-Stripper	22-30 AWG solid	<b>45-417</b>
Reflex™ Premium T®-Stripper	8-16 AWG stranded	<b>45-418</b>
Reflex™ Premium T®-Stripper – Metric	0.5mm <sup>2</sup> -4.0mm <sup>2</sup>	<b>45-425-341</b>
Reflex™ Premium 14/2 NM Cable T®-Stripper	—	<b>45-448</b>
Reflex™ Premium 12/2 NM Cable T®-Stripper	—	<b>45-449</b>
Reflex™ Premium T®-Cutter	—	<b>45-423</b>

## NM Cable T®-Stripper Wire Strippers



- Easy, one-step stripping of outer jacket of NM cable – no slitting required
- Versatility to strip, cut and loop conductor wires with precision and ease
- Stripping holes for 12 or 14 AWG solid wire

Description	Cat. No.
14/2 NM Cable T®-Stripper	<b>45-248</b>
14/2 NM Cable T®-Stripper (10 pc. clip strip)	<b>45-248CS</b>
12/2 NM Cable T®-Stripper	<b>45-249</b>
12/2 NM Cable T®-Stripper (10 pc. clip strip)	<b>45-249CS</b>
Reflex™ Premium 14/2 NM Cable T®-Stripper	<b>45-448</b>
Reflex™ Premium 12/2 NM Cable T®-Stripper	<b>45-449</b>
Reflex™ Super 12/2 & 14/2 NM Cable T®-Stripper	<b>45-621</b>

## 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 to reduce wrist fatigue
- Sleeves that extend to stripping head to cushion thumb and fingers
- Textured sleeves with extra cushioning for added comfort

Description	Wire Range	Cat. No.
Reflex™ Super T®-Stripper	8-16 AWG solid	<b>45-615</b>
Reflex™ Super T®-Stripper w/static dissipative grips	16-26 AWG stranded	<b>45-616</b>
Reflex™ Super T®-Stripper w/static dissipative grips	22-30 AWG solid	<b>45-617</b>
Reflex™ Super T®-Stripper	8-16 AWG stranded	<b>45-618</b>
Reflex™ Super 12/2 & 14/2 NM Cable T®-Stripper	12-2 and 14-2 solid	<b>45-621</b>

## NM Cable Dual-Hole T®-Stripper Wire Strippers



- Stripping holes for stripping two 12 AWG or two 14 AWG wires simultaneously
- Ability to strip both conductor wires of NM cable at one time
- Contoured, comfort grip handles on Premium model

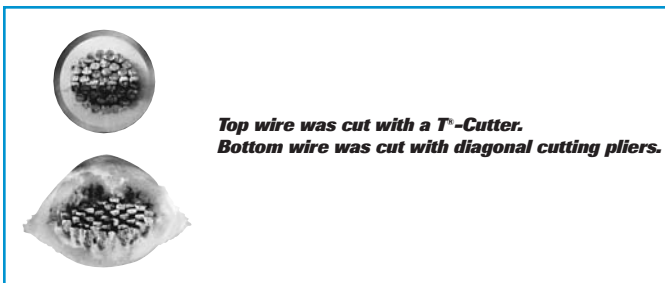
Description	Wire Range	Cat. No.
T®-12 T®-Stripper	12 or 14 AWG solid	<b>45-246</b>
Premium T®-14 T®-Stripper	12 or 14 AWG solid	<b>45-247</b>

## T<sup>®</sup>-Cutter Wire Cutters



- Hardened steel, shear-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
- Premium model features comfort-grip handles; Super model features curved cushion-grip handles; Reflex™ Premium model features ergonomic design with textured cushion-grip handles

Description	Wire Range	Cat. No.
T <sup>®</sup> -Cutter	Up to 1/2 in. O.D. fine-stranded wire and 10 AWG solid wire	45-123
Premium T <sup>®</sup> -Cutter	Up to 1/2 in. O.D. fine-stranded wire and 10 AWG solid wire	45-223
Super T <sup>®</sup> -Cutter w/static dissipative grips	Up to 1/2 in. O.D. fine-stranded wire and 10 AWG solid wire	45-323
Reflex™ Premium T <sup>®</sup> -Cutter	Up to 1/2 in. O.D. fine-stranded wire and 10 AWG solid wire	45-423



## T<sup>®</sup>-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 ESD grip prove comfort and precision go hand-in-hand.

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

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

## Data T<sup>®</sup>-Cutter



- Cuts round communication cable and maintains cable geometry for better cable performance
- Blade cutting capabilities suitable for soft cables (not ACSR)
- Steel reinforced center 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 <sup>®</sup> -Cutter	Multi-pair cable up to .500 in. (12.7mm), Coaxial cable up to RG-9/U	45-074
Data T <sup>®</sup> -Cutter II	Up to RG-58 and RG-6 coaxial cable	45-075

## Ratcheting Cable Cutter

- Cuts hand drawn copper up to 400 KCMIL (MCM) and soft copper, aluminum and multiple conductor cable up to 600 KCMIL (MCM)
- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage
- Ergonomic, non-slip handles provide excellent grip and comfort



Description	Cat. No.
400 KCMIL (MCM) Ratcheting Cable Cutter	<b>35-056</b>
Replacement blade	<b>35-085</b>

Not for cutting steel or ASCR

## Battery Powered Cable Cutter

- Cuts up to 750 KCMIL hard-drawn copper and up to 1,000 KCMIL copper and aluminum
- Hardened steel blades ensure consistent cuts and long-term durability
- Blade brush keeps debris out of blade area
- Tough plastic housing withstands rugged use
- Three-way switch allows for partial cuts, adjustments and backing off cable
- 12V battery rated for 1,000 charges
- Wrist loop provides added security when cutting overhead cable



Description	Cat. No.
Battery Powered Cable Cutter Kit (Includes cutter, battery, 120V charger, carrying case)	<b>35-064</b>
Battery Powered Cable Cutter Kit (Includes cutter, battery, 220V charger, carrying case)	<b>35-070</b>
Battery Powered Cable Cutter	<b>35-067</b>
Battery only	<b>35-065</b>
120V Battery charger	<b>35-068</b>
220V Battery charger	<b>35-074</b>
Replacement moving blade	<b>35-071</b>
Carrying case	<b>35-073</b>

Not for use on ASCR cable

## Ratcheting Cable Cutters

- Hardened steel blades ensure consistent cuts and long-term durability
- Rounded blade design minimizes cable distortion during cutting
- Quick release mechanism simplifies blade back-out
- Locking mechanism keeps handles closed for easy storage
- High-leverage foot provides stability and leverage when making multiple cuts
- Ergonomic, non-slip handles provide excellent grip and comfort
- 750 KCMIL Ratcheting Cable Cutter is designed to cut 750 KCMIL (MCM) and smaller hard-drawn copper and aluminum cables



Description	Cat. No.
750 KCMIL (MCM) Ratcheting Cable Cutter	<b>35-053</b>
Holster	<b>35-024</b>
Replacement blade	<b>35-057</b>

Not for cutting steel or ASCR

**CAUTION: Comfort-grip handles are not designed for protection against electrical shock. Do not use on live circuits.**



## Telemaster™ Telephone Tools & Kits



- Multi-function tool cuts, strips and crimps for easy on-the-job, one-tool application.
- Steel frame for long-term durability. (Crimps primary modular plug strain relief only)

Description	Kit Cat. No.	Tool Only Cat. No.
Tool for RJ-11 (1, 2, 3 pair) and RJ-45 (4 pair) plugs	33-700*	30-496
Tool for RJ-45 (4 pair) and DECconnect MMJ (RJ-11, 3 pair)	N/A	30-497
Tool for RJ-11 (1, 2, 3 pair) and DECconnect MMJ (RJ-11, 3 pair)	N/A	30-498
Tool for RJ-22 (handset) and RJ-11 (1, 2, 3 pair)	N/A	30-499
Replacement Cut and Strip Blade Set for Telemaster™	N/A	LB-1747

\*Kit includes 10 modular plugs each (85-351, 85-352, 85-353).

## Ratchet Telemaster™



- For paired conductors
- Ratchet version of popular Telemaster™ Tool for RJ-45 and RJ-11 modular plugs
- Repeatable crimp action for consistent, high quality connections

Description	Cat. No.
Ratchet Telemaster™	30-696

## Coax Stripmaster® Wire Strippers



- Speeds two step cable stripping of RG-6, RG-58, RG-59 or RG-62 coaxial cable
- Spring-action operation grips and strips in one motion
- Knife-type blades feature multiple hole diameters sized for two step removal of outer jacket insulation and center conductor
- Specific blades strip specific cable sizes

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	45-266
Coax Stripmaster® for RG-6 QuadShield	RG-6 QuadShield	LA-3953	45-282

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



## Coax Strippers



- Adjustable coax wire strippers allow blade adjustment for 2 or 3-step stripping of RG-58, RG-59/RG-62, Belden® 8281®, Twinax or RG-6 coaxial cable
- Specific adjustments needed for each cable size

Description	Replacement Cassette	Cat. No.
Coax Stripper - 3 Step <ul style="list-style-type: none"> <li>For Popular Dual Crimp BNC and TNC connectors</li> <li>Strips braid 0.240 in. or 6 mm and Dielectric 0.240 in. or 6 mm</li> </ul>	45-522 (Black)	45-520
Coax Stripper - 3 Step <ul style="list-style-type: none"> <li>For Popular Dual Crimp BNC/TNC and Thinnet BNC connectors</li> <li>Strip is for MIL-C-39012 connectors</li> <li>Strips braid 0.328 in. or 8.2 mm and dielectric 0.109 in. or 2.7 mm</li> </ul>	45-523 (Brown)	45-521
Coax Stripper - 2 Step <ul style="list-style-type: none"> <li>For F-Type, many single Crimp BNC/TNC's, Twist-on BNC/TNC's, Twinax and UHF connectors</li> <li>Strips 0.250 in. or 6.35 mm</li> </ul>	45-524 (Blue)	45-526
Coax Stripper - 2 Step <ul style="list-style-type: none"> <li>For most Twinax and UHF connectors</li> <li>Strips 0.480 in. or 12 mm</li> </ul>	45-525 (Green)	45-527
Coax Stripper - 3 Step <ul style="list-style-type: none"> <li>For Popular Dual Crimp N-Series Ethernet connectors</li> <li>Strips braid 0.240 in. or 6 mm and Dielectric 0.240 in. or 6 mm</li> </ul>	—	45-528

## Cyclops® Data Cable Stripper



- Fast, easy removal of outer sheath insulations (PVC and Plenum types) from all Unshielded Twisted Pair (UTP), Shielded Twisted Pair (STP) and multicore cables up to .433 in. (11mm) in diameter

Description	Cat. No.
Data Cable Stripper for unshielded and shielded twisted pair cable	45-514

## Toggle® Coax Stripper



- Toggle® Tools for stripping Ethernet, Thinnet, RG-62 or RG-59 coax cable and other cable sizes
- Each tool does 2 or 3-step strips with no adjustment

Description	Cat. No.
Coax Stripper for RG-58	45-508
Coax Stripper for Belden® 8281®	45-509
Coax Stripper for RG-8/11U	45-510
Coax Stripper for RG-174	45-512
Coax Stripper for RG-6	45-513
Coax Stripper for RG-59	45-517

## Kevlar® Cutter

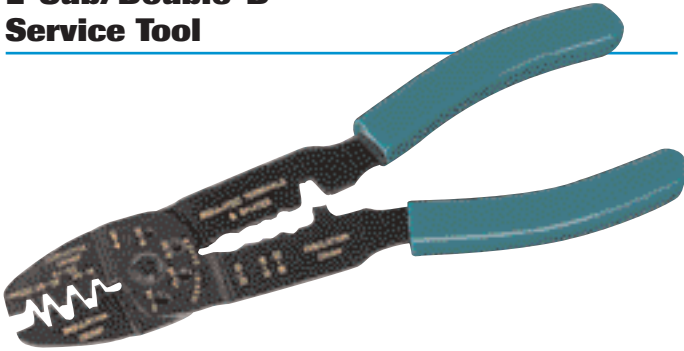
- High-carbon, steel frame
- Fine serrated blades cleanly cut Kevlar strength members found in fiber-optic cable
- Soft handle grips make cutting comfortable
- Overall length is 6-1/2 in. (165 mm)



Description	Cat. No.
Kevlar® Cutter	45-348

DuPont™ and KEVLAR® are trademarks or registered trademarks of E. J. du Pont de Nemours and Company.

## E-Sub/Double-D Service Tool



- Exact replacement of the AMP open-barrel service tool for stamped contacts and D-Sub contacts
- Crimps Double-D, high density, miniature contacts
- Includes openings for crimping insulated terminals and cutters for machine screws

Description	Cat. No.
D-Sub/Double-D Service Tool	30-426

## Lite-Strip™ Optical Fiber Stripper



- V-notch blades strip a wide range of outer cable jacket insulations
- Replaceable precision-ground knife-type blades cleanly strip tight buffer tube insulations (900μ)
- Strips mechanically strippable coatings up to 250μ
- New funneled hole makes cable insertion easier
- Improved spring mounting returns handles to original position after every application
- One-step, 900 micron stripping hole provides broader stripping range
- Extra durable to withstand normal drops without requiring tool realignment
- New gauge color makes fiber and hole identification easier
- Improved comfort-grip handles for an easier, more comfortable stripping process

Description	Fiber Capacity	Cat. No.
Lite-Strip™ Optical Fiber Stripper (900μ/250μ)	125μ/250μ and 140μ/250μ	45-350
Transparent Wire Stop		LB-070
Replacement Blade		LB-661

## MiniLite-Strip™ Optical Fiber Stripper



- Small stripping V-notch is designed to remove buffer and coating material from 125μ fiber
- Large stripping V-notch is designed to strip the outer jacket
- Blade area heat-treated for durability
- No field adjustment needed
- Laser marked for easy identification

Description	Capacity	Cat. No.
Optical Fiber Stripper	125μ	45-352

## Crimpmaster™ Crimp Tool & Die Sets

- High quality ratchet-type crimp tool for electricians, contractors and installers who require guaranteed repeatability of good mechanical and electrical connections
- Dies change quickly and easily with a screwdriver
- Interchangeable dies provide versatility in a single tool
- Ratchet crimp action provides repeatable and reliable terminations
- Crimp release provides operator safety
- New cushion-grip handles
- Pressure adjustment for actuation force



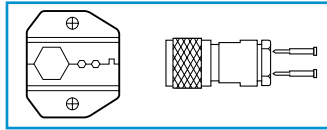
Description	Complete Tool Cat. No.	Replacement Die Set Cat. No.
Crimpmaster™ Crimp Tool Frame	<b>30-506</b>	—
22-10 AWG (.324 mm <sup>2</sup> - 5.261 mm <sup>2</sup> ) Fully insulated slide-on connectors	<b>30-477</b>	<b>30-594</b>
Large gauge sound cable	<b>30-478</b>	—
Insulated Terminal Crimp Tool with Built-in Locator	<b>30-479</b>	—
22-12 AWG (.324 mm <sup>2</sup> - 3.31 mm <sup>2</sup> ) Non-insulated open barrel crimp-style connectors	<b>30-480</b>	<b>30-586</b>
RG-58, 59, 62 Non-Plenum Cambridge BNC/TNC connectors	<b>30-481</b>	<b>30-573</b>
RG-8/11, RG-213, RG-216 Ethernet Thickwire, N-Series type plugs and jacks	<b>30-482</b>	<b>30-577</b>
RG-9, Belden® 8281® and RG-6 Cable, 50 & 75 OHM	<b>30-483</b>	<b>30-578</b>
RG-58 and RG-174 Cable for 50 and 75 OHM cables	<b>30-484</b>	<b>30-587</b>

Description	Complete Tool Cat. No.	Replacement Die Set Cat. No.
RG-174 Mini-59 Hex BNC/TNC Coax Connector	<b>30-485</b>	<b>30-576</b>
RG-58 and RG-59 Plenum Cables, Thinwire PVC Hex	<b>30-487</b>	<b>30-572</b>
16-26 AWG (1.31 mm <sup>2</sup> - 1.28 mm <sup>2</sup> ) Miniature insulated rings and splices	<b>30-487</b>	<b>30-572</b>
AMP DEC RG-58 Thinwire Connectors	<b>30-488</b>	<b>30-588</b>
SMA or SFR-Type Fiber Optic Connectors	<b>30-490</b>	<b>30-597</b>
22-10 AWG (.324 mm <sup>2</sup> - 5.261 mm <sup>2</sup> ) Insulated Ring Tongue terminals and splices	<b>30-500</b>	<b>30-579</b>
22-8 AWG (.3 mm <sup>2</sup> - 8 mm <sup>2</sup> ) Non-insulated terminals and splices	<b>30-501</b>	<b>30-580</b>
RG-58 RG-59/62AU BNC/TNC 3-Piece Hex type connectors	<b>30-502</b>	<b>30-581</b>
CATV RG-59 and RG-6 Captive Ring F-Connectors	<b>30-503</b>	<b>30-582</b>
SMA or SFR-Type Hex Fiber Optic Connectors	<b>30-489</b>	<b>30-596</b>

## Crimpmaster™ Crimp Tool Replacement Die Sets

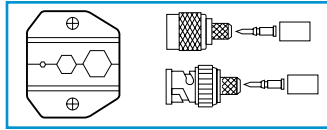
### 30-569

Twinax (Hex 0.429 (10.90 mm), 0.075 (1.90 mm), 0.075 (1.90 mm))  
**Tool w/die N/A**



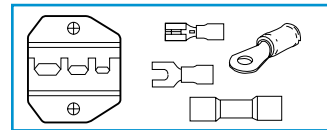
### 30-570

RG-6, RG-174, Belden-Type RG-8281 cables (Hex. 0.324 (8.23 mm), 0.178 (4.52 mm), 0.068 (1.73 mm))  
**Tool w/die N/A**



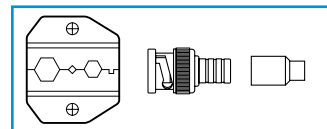
### 30-572

16-26 AWG (1.31 mm<sup>2</sup> - .128 mm<sup>2</sup>) miniature insulated rings, spade and butt splices  
**Tool w/die 30-487**



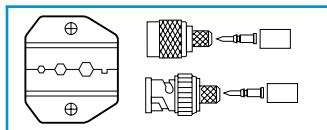
### 30-573

Cambridge CP-88, CP-89 BNC/TNC coax connectors with RG-58, RG-59/62 AU cables (Hex 0.305 (7.75 mm), 0.068 (1.73 mm), 0.228 (5.79 mm))  
**Tool w/die 30-481**



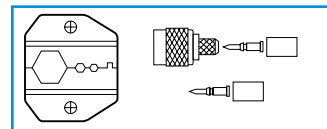
### 30-576

RG-174, Mini 59 BNC/TNC Connectors (Hex. 0.178 (4.52 mm), 0.128 (3.25 mm), 0.068 (1.73 mm))  
**Tool w/die 30-485**



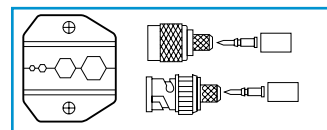
### 30-577

N-Series and RG-8/11 Connectors (Hex. 0.429 (10.90 mm), 0.100 (2.54 mm), 0.080 (2.03 mm))  
**Tool w/die 30-482**



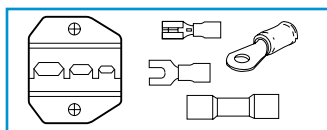
### 30-578

RG-59, RG-6, and 8281 50 and 75 OHM cables (Hex. 0.324 (8.23 mm), 0.255 (6.48 mm), 0.068 (1.73 mm), 0.042 (1.07 mm))  
**Tool w/die 30-483**



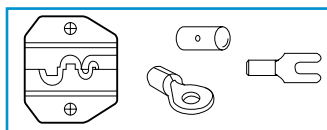
### 30-579

22-10 AWG (.324 mm<sup>2</sup> - 5.261 mm<sup>2</sup>) insulated terminals/color coded nests  
**Tool w/die 30-500**



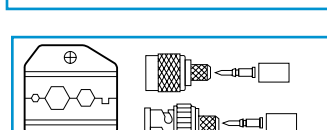
### 30-580

22-8 AWG (.3 mm<sup>2</sup> - 8 mm<sup>2</sup>) non-insulated terminals  
**Tool w/die 30-501**



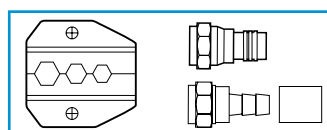
### 30-581

RG-58, RG-59/62, BNC/TNC Coax Connectors (Hex. 0.255 (6.48 mm), 0.213 (5.41 mm), 0.068 (1.73 mm))  
**Tool w/die 30-502**



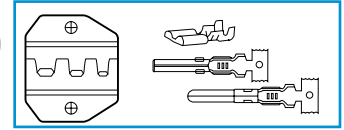
### 30-582

RG-59, RG-6 F-type CATV Connectors (Hex. 0.350 (8.89 mm), 0.320 (8.13 mm), 0.255 (6.48 mm))  
**Tool w/die 30-503**



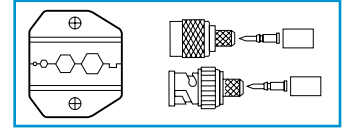
### 30-586

22-12 AWG (.324 mm<sup>2</sup> - 3.31 mm<sup>2</sup>) Non Insulated Open Barrel Connectors, Commercial Type  
**Tool w/die 30-480**



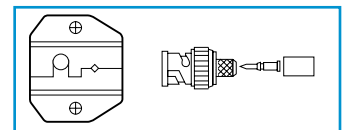
### 30-587

RG-58, RG-174 and RG-8218 for both 50 and 75 ohm cables (Hex 0.213 (5.41 mm), 0.178 (4.52 mm), 0.068 (1.73 mm), 0.042 (1.07 mm))  
**Tool w/die 30-484**



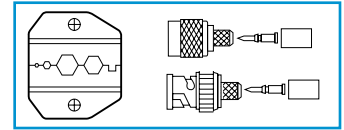
### 30-588

AMP Thinwire Dual Crimp BNC Coax Connectors ("O", 0.202 (5.13 mm), 0.042 (1.07 mm) box center pin)  
**Tool w/die 30-488**



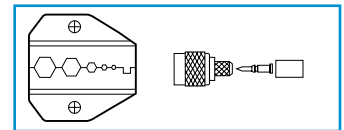
### 30-591

Plenum and Non-Plenum Thinwire Cables RG-58 and 59 (Hex. 0.213 (5.41 mm), 0.190 (4.83 mm), 0.068 (1.73 mm), 0.042 (1.07 mm))  
**Tool w/die 30-486**



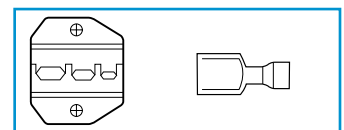
### 30-593

Mini UHF and BNC/TNC 5 cavity (Hex. 0.052 (1.32 mm), 0.068 (1.73 mm), 0.100 (2.54 mm), 0.213 (5.41 mm), 0.255 (6.48 mm))  
**Tool w/die N/A**



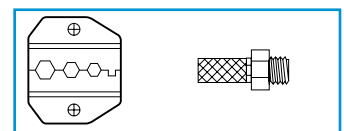
### 30-594

Fully Insulated quick disconnect terminals with thinner wire barrels 22-10 AWG (.324 mm<sup>2</sup> - 5.261 mm<sup>2</sup>)  
**Tool w/die 30-477**



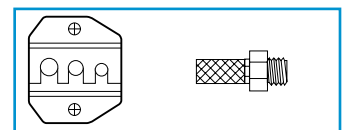
### 30-596

Fiber-Optic SMA, SMB or SFR connectors (Hex 0.151 (3.84 mm), 0.178 (4.52 mm), 0.213 (5.41 mm))  
**Tool w/die 30-489**



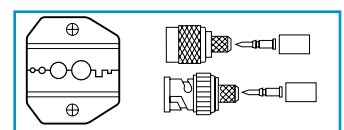
### 30-597

AMP Optimate Fiber-Optic SMA or SFR type connectors (Round 0.195 (4.95 mm), 0.165 (4.19 mm), 0.138 (3.51 mm))  
**Tool w/die 30-490**



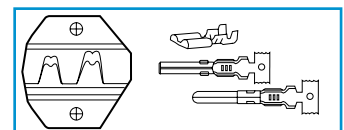
### 30-598

AMP Combo RG-58, RG-59/62 Dual Crimp BNC/TNC Coax Connectors (0.208 (5.29 mm), 0.240 (6.10 mm), 0.44 (11.18 mm), 0.052 (1.32 mm) Box Center Pin)  
 Note: replaces 30-589 and 30-590  
**Tool w/die N/A**



### 30-599

30-18 AWG (.205 mm<sup>2</sup> - 2.08 mm<sup>2</sup>) Open Barrel Pins and Sockets  
**Tool w/die N/A**



## Stat-Gard™ EDS Grounding System



- Unique static-prevention system uses hard ground of electrical system to drain static charges
- Checks ground circuit for any common ground faults – bright neon light provides visual proof of ground
- Wrist strap with stainless steel backplate and conductive fiber provides maximum absorption of static charges
- 5-year warranty

Description	Cat. No.
Stat-Gard™ ESD Grounding Plug	<b>61-038</b>
Stat-Gard™ 10 ft. Lead Set	<b>61-039</b>
Stat-Gard™ Universal Wrist Strap	<b>61-044</b>
Stat-Gard™ ESD Grounding System includes grounding plug (61-038), universal wrist strap (61-044) & 10 ft. lead set (61-039)	<b>61-046</b>

## Slim Electronic Screwdrivers



- Designed for maximum handling comfort when working in tight areas
- Ball-ended handle with guiding point
- Vapor-blasted tip prevents plate chipping
- Nickel-chrome plating for corrosion resistance
- Tough, chrome vanadium steel shank
- Lifetime guarantee



Description	Cat. No.
3/32 in. x 2-1/2 in. Cabinet Tip	<b>36-240</b>
3/32 in. x 3 in. Cabinet Tip	<b>36-241</b>
1/8 in. x 4 in. Cabinet Tip	<b>36-242</b>
1/8 in. x 6 in. Cabinet Tip	<b>36-243</b>
5/32 in. x 4 in. Cabinet Tip	<b>36-244</b>
5/32 in. x 6 in. Cabinet Tip	<b>36-245</b>
#0 – 1/8 in. x 2-1/2 in. Phillips Head	<b>36-246</b>
#1 – 3/16 in. x 3-1/4 in. Phillips Head	<b>36-247</b>
7-Piece Set includes one each of 36-240 thru 36-246	<b>36-248</b>
4-Piece Set includes one each of 36-240, -241, -242 & -246	<b>36-249</b>

## Vol-Con® Voltage/Continuity Tester



- Digital circuitry for accurate measurements
- Tests for high voltage up to 600VAC/220VDC
- Tests for low voltage 24VAC /6VDC
- Audible continuity
- Low impedance to eliminate ghost voltages
- Non-contact voltage indication
- Replaceable silicone test leads
- Integral lead storage
- Lifetime limited warranty
- CAT III – 1000V

Vol-Con® Description	Cat. No.
Vol-Con® Elite	<b>61-090</b>
Vol-Con® Elite w/shaker	<b>61-092</b>
Replacement leads	<b>TL-101</b>
Nylon carrying case	<b>C-90</b>



## Vol-Con® Voltage/Continuity Tester



- Extremely rugged and reliable three-in-one tester
- Vibrates when voltage is present
- Heavy-duty voltage tester tests up to 600V AC/DC
- Low-voltage indicator tests as low as 5V AC/DC
- Patented, automatic switching continuity tester
- Bright, long life LED and neon indicator lamps
- Replaceable plug-in leads with shielded probe tips
- 5-year warranty



Batteries included. Convenient, snap-out battery replacement.

Description	Cat. No.	Replacement Leads Cat. No.
Vol-Con® w/standard leads	61-076	61-070
Vol-Con® w/slim-line leads	61-079	61-078
Vol-Con® w/resistor-fused leads*	61-080	61-072
Vinyl case	61-009	—
Standard leather case	61-010	—
Premium leather case	61-020	—
Replacement battery set**	61-201	—

\*Special current-limiting resistors in each lead act as fuses in case of accidental shorts or breakdowns and limit current in leads to prevent dangerous arcing.

\*\*Four 1-1/2V batteries. Tester will also accept Union Carbide A76 or Eveready No. 357 batteries.



## Vol-Con® Lite Voltage/Continuity Testers



- Rugged and reliable three-in-one pocket-size tester
- Tests for high voltage up to 240VDC/480VAC
- Tests for low voltage as low as 5V AC/DC
- Automatic switching continuity tester
- Audible voltage and continuity detection (61-101 and 61-102)
- Replaceable leads with shielded probe tips
- Bright, long-life LED and neon indicator lamps
- 5-year warranty



Batteries included. Convenient, snap-out battery replacement.

Description	Cat. No.	Replacement Leads Cat. No.
Vol-Con® Lite w/slim-line leads	61-099	61-081
Vol-Con® Lite w/resistor-fused leads*	61-100	61-082
Vol-Con® Lite Audible w/slim-line leads	61-101	61-081
Vol-Con® Lite Audible w/resistor-fused leads*	61-102	61-082
Insulated clip lead set (1 probe & 1 alligator clip)	61-083	—
Premium leather case	61-029	—
Standard leather case	61-012	—
Replacement battery set**	61-201	—

\*Special current-limiting resistors in each lead act as fuses in case of accidental shorts or breakdowns and limit current in leads to prevent dangerous arcing.

\*\*Four 1-1/2V batteries. Tester will also accept Union Carbide A76 or Eveready No. 357 batteries.



## Powr-Glo™ Pocket Testers

- Tests for voltage from 40V to 440VAC
- Unique electronic sensor locates breaks along live, insulated wires and power cords, checks for energized AC circuits, distinguishes polarity and detects leaks in underground devices
- Solid-state LED indicator illuminates brightly for quick, accurate test results
- Audible voltage detection (61-061)
- Convenient pocket clip
- 5-year warranty  
Batteries included



Description	Cat. No.
Powr-Glo™ Pocket Tester	<b>61-060</b>
Powr-Glo™ Audible Pocket Tester	<b>61-061</b>
Replacement 1.5V alkaline batteries	<b>61-201</b>



## Continuity Tester

- Pocket-size tester for use on electrical control equipment and panel-board wiring
- Checks continuity of dead circuits and grounds on conduit systems, and identifies wires in multi-wire cables
- Light signal indicates completed circuit
- Pocket clip reverses to function as probe
- Bulb in end of tester serves as flashlight
- Removable 4-ft. test lead with alligator clip
- 5-year warranty

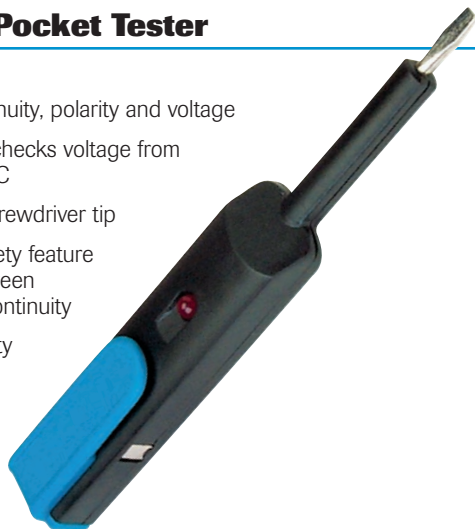


Description	Cat. No.
Continuity Tester*	<b>61-030</b>

\*Requires two AA batteries (not included)

## Vol-Test™ Pocket Tester

- Tests for continuity, polarity and voltage
- Single probe checks voltage from 12V to 440VAC
- Convenient screwdriver tip
- Automatic safety feature switches between voltage and continuity
- 5-year warranty  
Batteries included

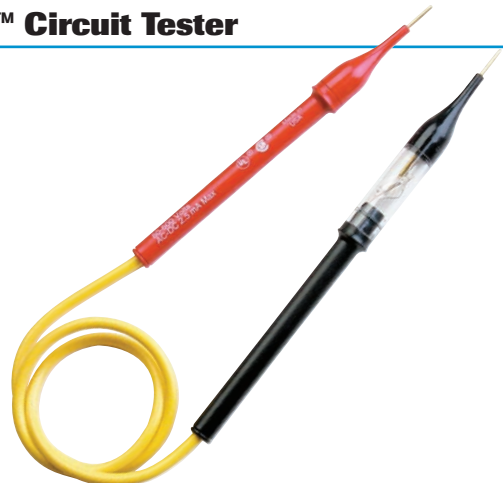


Description	Cat. No.
Vol-Test™ Pocket Tester	<b>61-050</b>
Replacement 1.5V alkaline batteries	<b>61-201</b>



## Test-Glo™ Circuit Tester

- Industrial-quality tester designed for safe, easy checking of electrical circuits, spark-plugs, motors, fuses, etc.
- For use from 80V to 600VAC/DC
- Neon test lamp at front of probe
- Resistors reduce voltage reaching leads
- Long, thin handles with no-slip safety rings
- 24-in. lead (rated 10,000V) permits wide-span usage
- 5-year warranty



Description	Cat. No.
Test-Glo™ Circuit Tester	<b>61-040</b>





## E-Z Check® Circuit Tester

- Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot in 3-wire, 125VAC circuits
- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 5-year warranty



Description	Cat. No.
E-Z Check® Circuit Tester	61-035



## E-Z Check® Plus GFI Circuit Tester

- Tests GFCI receptacles for proper operation
- Tests for correct wiring, open ground, reverse polarity, open hot, open neutral, hot on neutral, hot and ground reversed with open hot and ground fault interruption in 3-wire, 125VAC circuits
- No-slip ergonomic design maximizes comfort
- Premium neon lamps prevent false readings
- Tough, impact-resistant case
- 5-year warranty



Description	Cat. No.
E-Z Check® Plus GFI Circuit Tester	61-051



## Stop Shock™ Ground Circuit Tester

- Verifies safe low impedance ground
- Flashing light indicates defective/hazardous ground
- Warns against faulty wiring in wall outlets, multiple outlet strips or extension cords
- 5-year warranty



Description	Cat. No.
Stop Shock™ Ground Circuit Tester	61-511

## Receptacle Tester

- Warns against faulty wiring in 3-wire receptacles
- For use on 125VAC circuits
- 5-year warranty



Description	Cat. No.
Receptacle Tester	61-500



## GFI Receptacle Tester

- Tests GFI receptacles for proper operation
- Warns against faulty wiring in 3-wire receptacles
- For use on 125VAC circuits
- 5-year warranty



Description	Cat. No.
GFI Receptacle Tester	61-501



## PlatinumPro® 630 Series Technical Grade Multimeters

- Data acquisition
- Optical RS-232 interface
- True RMS
- Auto/manual ranging
- Analog bar graph
- 0.5ms peak hold
- Capacitance
- Frequency
- Duty factor
- Auto calibration
- Auto hold/peak hold
- Memory store and recall
- Lead input warning
- High/low limits
- Max/min/max-min
- Backlight
- Relative mode
- Auto power off
- Triple display
- Low battery indication
- Lifetime limited warranty
- CAT III – 600V  
Includes carrying case



Data acquisition and analysis with ProVision™ software.



Description	Cat. No.
Technical Grade Multimeter, standard model	<b>61-633</b>
Technical Grade Multimeter, extended accuracies, software and RS-232 interface included, temperature, includes thermocouple	<b>61-635</b>

Specifications	61-633		61-635	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	400.00m/4.0000/40.000/400.00/750.0 V	1.0%	400.00m/4.0000/40.000/400.00/750.0 V	0.7%
<b>DC Voltage</b>	40.000m/400.00m/4.0000/40.000/400.00/1000.0 V	0.2%	40.000m/400.00m/4.0000/40.000/400.00/1000.0 V	0.06%
<b>AC Current</b>	40.000m/400.00m/4.0000/10.000 A	1.2%	40.000m/400.00m/4.0000/10.000 A	0.8%
<b>DC Current</b>	40.000m/400.00m/4.0000/10.000 A	0.5%	40.000m/400.00m/4.0000/10.000 A	0.2%
<b>Resistance</b>	400.00/4.0000k/40.000k/400.00k/ 4.0000M/40.000M Ω	0.5%	400.00/4.0000k/40.000k/400.00k/ 4.0000M/40.000M Ω	0.3%
<b>LV Resistance</b>	4.0000k/40.000k/400.00k/ 4.0000M/40.000M Ω	1.0%	4.0000k/40.000k/400.00k/ 4.0000M/40.000M Ω	0.6%
<b>Capacitance</b>	4.0000n/40.000n/400.00n/4.0000μ/40.000μ/ 400.00μ/4.0000m/40.000m F	1.9%	4.0000n/40.000n/400.00n/4.0000μ/40.000μ/ 400.00μ/4.0000m/40.000m F	0.9%
<b>Frequency</b>	400.00/4.0000k/40.000k/400.00k/4.0000M Hz	0.01%	400.00/4.0000k/40.000k/400.00k/4.0000M Hz	0.01%
<b>Temperature</b>	—	—	-150° F to 2200° F -100° C to 1200° C	2.0%
<b>Duty Factor</b>	20% - 80%	1.00%	20% - 80%	1.00%



## PlatinumPro® 490 Series Industrial Grade Multimeters



Description	Cat. No.
Industrial Grade Multimeter, standard model	<b>61-492</b>
Industrial Grade Multimeter, True RMS, datalogging (6,000 records), data storage, temperature, duty factor, dBm/dB, dual display, Io voltage Ω, min/max/avg, 20,000 count high-accuracy mode, optional software	<b>61-494</b>
Industrial Grade Multimeter, True RMS, datalogging (40,000 records), software and RS-232 interface included, data storage, temperature, duty factor, dBm/dB, dual display, Io voltage Ω, min/max/avg, 20,000 count high-accuracy mode, includes thermocouple	<b>61-495</b>

- Data acquisition
- Optical RS-232 interface
- Frequency
- Capacitance
- Auto/manual ranging
- Analog bar graph
- Auto power off
- Peak hold
- Min/max
- Relative mode
- Backlight
- Low battery indication
- Lifetime limited warranty
- CAT III – 600V

Includes carrying case

Specifications	61-492		61-494		61-495	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	400.0m/4.000/40.00/750 V	1.0%	20.000m/200.00m/2.0000/ 20.00/200.00/750.0 V	0.7%	20.000m/200.00m/2.0000/ 20.000/200.00/750.0 V	0.7%
<b>DC Voltage</b>	400.0m/4.000/40.00/750 V	0.3%	20.000m/200.00m/2.0000/ 20.000/200.00/1000.0 V	0.06%	20.000m/200.00m/2.0000/ 20.000/200.00/1000.0 V	0.06%
<b>AC Current</b>	40.00m/400.0m/10.00 A	1.0%	20.000m/200.00m/2.0000/10.000 A	0.8%	20.000m/200.00m/2.0000/10.000 A	0.8%
<b>DC Current</b>	40.00m/400.0m/10.00 A	0.4%	20.000m/200.00m/2.0000/10.000 A	0.3%	20.000m/200.00m/2.0000/10.000 A	0.2%
<b>Resistance</b>	400.0/4.000k/40.00k/400.0k/ 4.000M/40.00M Ω	0.4%	200.00/2.0000k/20.000k/200.00k/ 2.0000M/20.000M/200.00M/2.0000G Ω	0.3%	200.00/2.0000k/20.000k/200.00k/ 2.0000M/20.000M/200.00M/2.0000G Ω	0.3%
<b>LV Resistance</b>	—	—	2.0000k/20.000k/200.00k/ 2.0000M/20.000M/200.00M Ω	0.6%	2.0000k/20.000k/200.00k/2.0000M/ 20.000m/200.00M Ω	0.6%
<b>Capacitance</b>	4.000n/40.00n/400.0n/4.000μ/ 40.00μ/400.0μ/4.00m/40.00m F	3.0%	4.000n/40.00n/400.0n/4.000μ/ 40.00μ/400.0μ/4.000m/40.00m F	0.9%	4.000n/40.00n/400.0n/4.000μ/ 40.00μ/400.0μ/4.000m/40.00m F	0.9%
<b>Frequency</b>	4.000k/40.00k/400.0k/4.000M/ 40.00M/400.0M Hz	0.01%	20.000/200.00/2.0000k/ 20.000k/200.00k/1.0000M Hz	0.01%	20.000/200.00/2.0000k/20.000k/ 200.00k/1.0000M Hz	0.01%
<b>Duty Factor</b>	—	—	20% - 80%	1.00%	20% - 80%	1.00%
<b>Temperature</b>	—	—	-150° F to 2200° F -100° C to 1200° C	0.1%	-150° F to 2200° F -100° C to 1200° C	0.1%



## Test-Pro® Stick Digital Multimeter



- Sleek design for easy use and storage
- Rugged construction to withstand 10-foot drops
- O-ring sealed to repel moisture and dirt
- 6kV transient voltage protection
- Audible and LED voltage indicators
- Peak hold
- Deluxe leadsets with removable probe tips
- Interchangeable snap-on heads provide maximum versatility
- Sleep mode
- Low battery indication
- Overload protection on all ranges

Description	Cat. No.
Digital Multimeter, includes deluxe test leads (61-440)	<b>61-401</b>
Digital Multimeter w/Current Clamp Kit, includes Stick Multimeter (61-401), 300AAC current clamp adapter (61-450) & deluxe test leads (61-440)	<b>61-402</b>
Digital Multimeter Kit – Includes Stick Multimeter (61-401), 5 accessory heads (61-437, 61-438, 61-439, 61-450, 61-460), deluxe test leads (61-440) & carrying case (61-447)	<b>61-403</b>

Specifications	61-401	
	Range & Resolution	Accuracy
<b>AC Voltage</b>	200.0m/2000m/200.0/750 V	1.2%
<b>DC Voltage</b>	200.0m/2000m/200.0 V	0.5%
<b>AC Current</b>	0.0 – 300 A	2.7%
<b>Resistance</b>	200.0/200.0k Ω	1.0%
<b>Capacitance</b>	200.0μ F	3.0%
<b>Instant Continuity</b>	✓	—
<b>Diode Test</b>	✓	—

## Test-Pro® Snap-On Accessory Heads

Snap directly onto the Test-Pro® Stick Multimeter. Adaptable with all other Test-Pro® Multimeters.

### 300AAC Current Clamp

- Directly measures 0 to 300AAC
- No conversions or multipliers required



Description	Cat. No.
300AAC Current Clamp Head	<b>61-450</b>

### True RMS Head

- Provides digital multimeters and clamp heads with True RMS measuring capabilities
- Measures True RMS voltage and current



Description	Cat. No.
True RMS Head	<b>61-439</b>

### Infrared Temperature Head

- Measures temperature without contact
- 4:1 angle of view



Description	Cat. No.
Infrared Temperature Head	<b>61-438</b>

### Relative Humidity & Temperature Head

- Measures relative humidity percentage
- Measures air temperature



Description	Cat. No.
Relative Humidity & Temperature Head	<b>61-437</b>

### Dual Temperature Head

- Measures liquid or gas from -50°F to 1,800°F
- Measures two temperatures at once



Description	Cat. No.
Dual Temperature Head	<b>61-460</b>

### Snap-On Head Handle

- For remote use of snap-on accessory heads
- Increases handle area for added comfort



Description	Cat. No.
Snap-on Head Handle	<b>61-448</b>



## Analog Multimeters

- Pocket-size, low-cost analog meter
- High-impact thermoplastic case
- Decibel measurement
- 5-year warranty



Description	Cat. No.
Analog Meter w/mirrored scale plate, diode protection	<b>61-610</b>
Analog Meter w/audible continuity, battery test, built-in stand	<b>61-614</b>

Specifications	61-610		61-614	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	10/50/250/500 V	+/- 4.0% Full Scale	10/50/250/1000 V	+/- 4.0% Full Scale
<b>DC Voltage</b>	10/50/250/500 V	+/- 3.0% Full Scale	2.5/10/50/250/1000 V	+/- 3.0% Full Scale
<b>DC Current</b>	500 $\mu$ /50m/250m A	+/- 3.0% Full Scale	5m/50m/500m/20 A	+/- 3.0% Full Scale
<b>Resistance</b>	1M $\Omega$ Full Scale 5k $\Omega$ Mid Scale	+/- 3.0% Arc Length	10k/100k/10M $\Omega$ Full Scale 50/500/50k $\Omega$ Mid Scale	+/- 3.0% Arc Length
<b>Instant Continuity</b>	—	—	✓	—
<b>Decibels</b>	-20 to +56 dB	—	-8 to +62 dB	—
<b>Battery Test</b>	—	—	1.5, 9.0 VDC	—



## Pen-Style Meters

- Auto/manual ranging
- Compact and lightweight
- Backlit display
- Interchangeable probe tips
- Low battery indicator
- Sleep mode
- Overload protection on all ranges
- Lifetime limited warranty  
Includes carrying case



Description	Cat. No.
Meter w/capacitance, frequency, duty cycle, temperature, peak hold	<b>61-643</b>



Description	Cat. No.
Meter w/capacitance, frequency, duty cycle, peak hold	<b>61-642</b>



Description	Cat. No.
Meter w/high speed bar graph, peak hold	<b>61-641</b>



Description	Cat. No.
Meter w/data hold	<b>61-640</b>

Specifications	61-640		61-641		61-642		61-643	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	2.000/20.00/200.0/500 V	1.0%	3.200/32.00/320.0/600 V	0.75%	250.0m/2.500/25.00/250.0/600 V	0.75%	250.0m/2.500/25.00/250.0/600 V	0.75%
<b>DC Voltage</b>	200.0m/2.000/20.00/200.0/500 V	0.5%	320.0m/3.200/32.00/320.0/600 V	0.25%	250.0m/2.500/25.00/250.0/600 V	0.25%	250.0m/2.500/25.00/250.0/600 V	0.25%
<b>Resistance</b>	200.0/2.000k/20.00k/200.0k/2.000M/20.00M Ω	0.7%	320.0/3.200k/32.00k/320.0k/3.200M/32.00M Ω	0.3%	250.0/2.500k/25.00k/250.0k/2.500M/25.00M Ω	0.3%	250.0/2.500k/25.00k/250.0k/2.500M/25.00M Ω	0.3%
<b>Capacitance</b>	—	—	—	—	250.0n/2.500μ/25.00μ F	5.0%	250.0n/2.500μ/25.00μ F	5.0%
<b>Frequency</b>	—	—	—	—	5.000/50.00/500.0/5.000k Hz	0.05%	5.000/50.00/500.0/5.000k Hz	0.05%
<b>Duty Cycle</b>	—	—	—	—	10 - 90%	—	10 - 90%	—
<b>Instant Continuity</b>	✓	—	✓	—	✓	—	✓	—
<b>Diode Test</b>	—	—	✓	—	✓	—	✓	—
<b>Temperature</b>	—	—	—	—	—	—	-4.0° F to 2498° F (-20° C to 1370° C)	2.0%



## 200 Amp Clamp Meters

- 200A current capability
- Audible continuity
- Diode test
- Data hold/max hold
- Low battery indication
- Overload protection on all ranges
- Silicone leads
- Integral lead storage
- Audible dangerous voltage warning
- Sleep mode
- Ergonomic hourglass shape
- Compact clamp head  
Includes carrying case



Description	Cat. No.
Clamp Meter w/vibration mode to verify AC voltage, harmonics indicator, non-contact voltage, capacitance, CAT III – 1000V rated	<b>61-702</b>
Clamp Meter w/non-contact voltage, capacitance, frequency, CAT III – 600V rated	<b>61-701</b>
Clamp Meter w/frequency, CAT III – 600V rated	<b>61-700</b>

Specifications	61-700		61-701		61-702	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	200.0/600 V	1.2%	200.0/600 V	1.2%	2000m/200.0/600 V	1.2%
<b>DC Voltage</b>	200.0m/2000m/200.0/600 V	0.5%	20.00/200.0/600 V	0.5%	2000m/200.0/600 V	0.5%
<b>AC Current</b>	200.0 A	3.0%	200.0 A	3.0%	200.0 A	3.0%
<b>Resistance</b>	200.0/200.0k $\Omega$	1.0%	200.0/200.0k $\Omega$	1.0%	200.0/200.0k $\Omega$	1.0%
<b>Capacitance</b>	—	—	200.0 $\mu$ F	3.0%	200.0 $\mu$ F	3.0%
<b>Frequency</b>	2.000k/20.00k/40.00k Hz (Auto)	0.1%	2.000k/20.00k/40.00k Hz (Auto)	0.1%	—	—



## 1000 Amp Clamp Meters



- 1000A current capability
- Large digit display
- Audible continuity
- Diode test
- Data hold
- Auto power-off
- Low battery indicator
- Overload protection on all ranges
- Lifetime limited warranty
- CAT III – 600V  
Includes carrying case

Description	Cat. No.
1000AAC Clamp Meter, standard model	<b>61-720</b>
1000AAC Clamp Meter, True RMS, frequency, peak hold	<b>61-722</b>
1000AAC Clamp Meter, True RMS, DC current, frequency, backlit display	<b>61-724</b>
1000AAC Clamp Meter, True RMS, DC current, capacitance, frequency, peak hold, high speed analog bar graph	<b>61-726</b>

Specifications	61-720		61-722		61-724		61-726	
	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy	Range & Resolution	Accuracy
<b>AC Voltage</b>	200.0/600 V	1.2%	200.0/600 V	1.2%	200.0/600 V	1.2%	4.000/40.00/400.0/600 V Auto	1.7%
<b>DC Voltage</b>	2.000/200.0/600 V	0.5%	600 V	0.5%	600 V	0.5%	400.0m/4.000/40.00/ 400.0/600 V	0.25%
<b>AC Current</b>	20.00/200.0/1000 A	1.5%	20.00/200.0/1000 A	1.5%	200.0/1000 A	1.75%	400.0/1000 A	1.75%
<b>DC Current</b>	—	—	—	—	200.0/1200 A	1.5%	400.0/1200 A	1.5%
<b>Resistance</b>	200.0/200.0k $\Omega$	1.2%	2.000k/200.0k $\Omega$	1.2%	2.000k/200.0k $\Omega$	1.2%	400.0/4.000k/40.00k/400.0k/ 4.000M/40.00M $\Omega$ Auto	0.3%
<b>Capacitance</b>	—	—	—	—	—	—	4.000n/40.00n/400.0n/ 4.000 $\mu$ F Auto	3.0%
<b>Instant Continuity</b>	✓	—	✓	—	✓	—	✓	—
<b>Diode Test</b>	✓	—	✓	—	✓	—	✓	—
<b>Frequency</b>	—	—	20.00/2.000k Hz (Auto)	0.1%	20.00/2.000k Hz Auto	0.1%	100.00/1.0000k/100.00k/ 500.0k Hz Auto	0.1%







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35-073	22	45-323	21	46-927	15	K-6502	18	LB-1001M	13
35-074	22	45-327	18	46-932	15	K-6503	18	LB-1002	12, 13
35-085	22	45-333	4, 18	46-933	15	K-6504	18	LB-1002M	13
36-240	28	45-348	25	46-934	15	K-6505	18	LB-1003	12, 13
36-241	28	45-350	25	46-935	15	K-7156	5	LB-1004	12, 13
36-242	28	45-352	25	46-936	15	K-7763	4	LB-1005	12, 13
36-243	28	45-400	4, 18	46-940	15	L-4419	12, 13	LB-1089	9
36-244	28	45-401	4, 18	46-941	15	L-4419M	13	LB-1090	9
36-245	28	45-402	4, 18	46-942	15	L-4420	12, 13	LB-1091	9
36-246	28	45-403	4, 18	46-943	15	L-4421	12, 13	LB-1092	9
36-247	28	45-404	4, 18	46-944	15	L-4421M	13	LB-1151	9
36-248	28	45-415	20	46-945	15	L-4422	12, 13	LB-1152	9
36-249	28	45-415CS	20	61-009	29	L-4452	12, 13	LB-1153	9
45-021	16	45-416	20	61-010	29	L-4994	12, 13	LB-1154	9
45-074	21	45-417	20	61-012	29	L-5210	7, 8	LB-1155	12
45-075	21	45-418	20	61-020	29	L-5211	7, 8	LB-1156	9
45-089	12, 13	45-423	21	61-030	30	L-5212	9	LB-1184	9
45-090	12, 13	45-425-341	20	61-038	28	L-5215	9	LB-1185	9
45-090-341	13	45-448	20	61-029	29	L-5217	9	LB-1186	9
45-091	12, 13	45-449	20	61-035	31	L-5269	9	LB-1187	9
45-092	12, 13	45-508	24	61-039	28	L-5270	12, 13	LB-1188	9
45-093	12, 13	45-509	24	61-040	30	L-5361	12	LB-1189	9
45-095	12, 13	45-510	24	61-044	28	L-5436	7, 8	LB-1190	9
45-097	12, 13	45-512	24	61-050	30	L-554	16	LB-1194	9
45-098	12, 13	45-513	24	61-060	30	L-5559	7, 8	LB-1195	12, 13
45-099	12	45-514	24	61-061	30	L-5560	7, 8	LB-1421	21
45-120	19	45-517	24	61-070	29	L-5561	7, 8	LB-1501	18
45-120-341	19	45-520	24	61-072	29	L-5562	7, 8	LB-1747	23
45-121	19	45-521	24	61-076	29	L-5563	7, 8	LB-1748	16
		45-522	24	61-078	29	L-5564	7, 8	TL-101	28



## 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 of your wire or cable and complete the questionnaire below. Mail to:

IDEAL INDUSTRIES, INC.  
Becker Place, Sycamore, IL 60178

**Attn: Wire Stripping Applications Analysis**

We'll quickly recommend a practical stripping, cutting or crimping 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, call our Technical Services Hotline at 800-338-4495.**

## 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 **five feet of your wire or cable** and answer the following questions to expedite a replay 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: \_\_\_\_\_

\_\_\_\_\_

### 5. Wire Gauge: \_\_\_\_\_

### 6. Remarks/Requirements: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### 7. MIL-spec: \_\_\_\_\_

### 8. Number of Strips per Day: \_\_\_\_\_

### 9. Cable Dimensions: \_\_\_\_\_

Write in the appropriate dimensions for each cable type submitted. Failure to complete the necessary dimensions will delay our recommendation.

### End User Information

Please enclose business card or complete the following:

Name \_\_\_\_\_

Title \_\_\_\_\_

Company \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

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

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

# Beyond the products.



## Complete Product Offering

From wire processing to electrical systems and data networks, IDEAL has the products that professionals need to get the job done.

- **Wire Connectors**
- **Fish Tape, Benders & Lube**
- **Tools & Totes**
- **Test & Measurement**
- **Lockout/Tagout**
- **Commutator Maintenance**
- **Wire Management**
- **DataComm**

## Training

IDEAL wants to help you use our products correctly and efficiently. Through on-site training sessions, we provide a unique opportunity for our customers and distributors to learn about IDEAL Wire Processing first-hand.

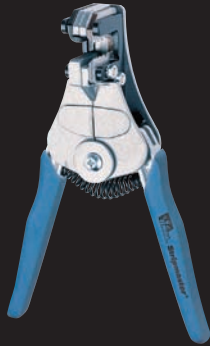
## Web Services

A wealth of information at your fingertips. At [www.idealindustries.com](http://www.idealindustries.com), you can find new products, special offers, current industry information and a host of other services.

- **Special Promotions**
- **New Product Information**
- **Frequently Asked Questions**
- **Technical Support**



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Rev. 1/02  
Printed in U.S.A.  
Form No. P-086

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