



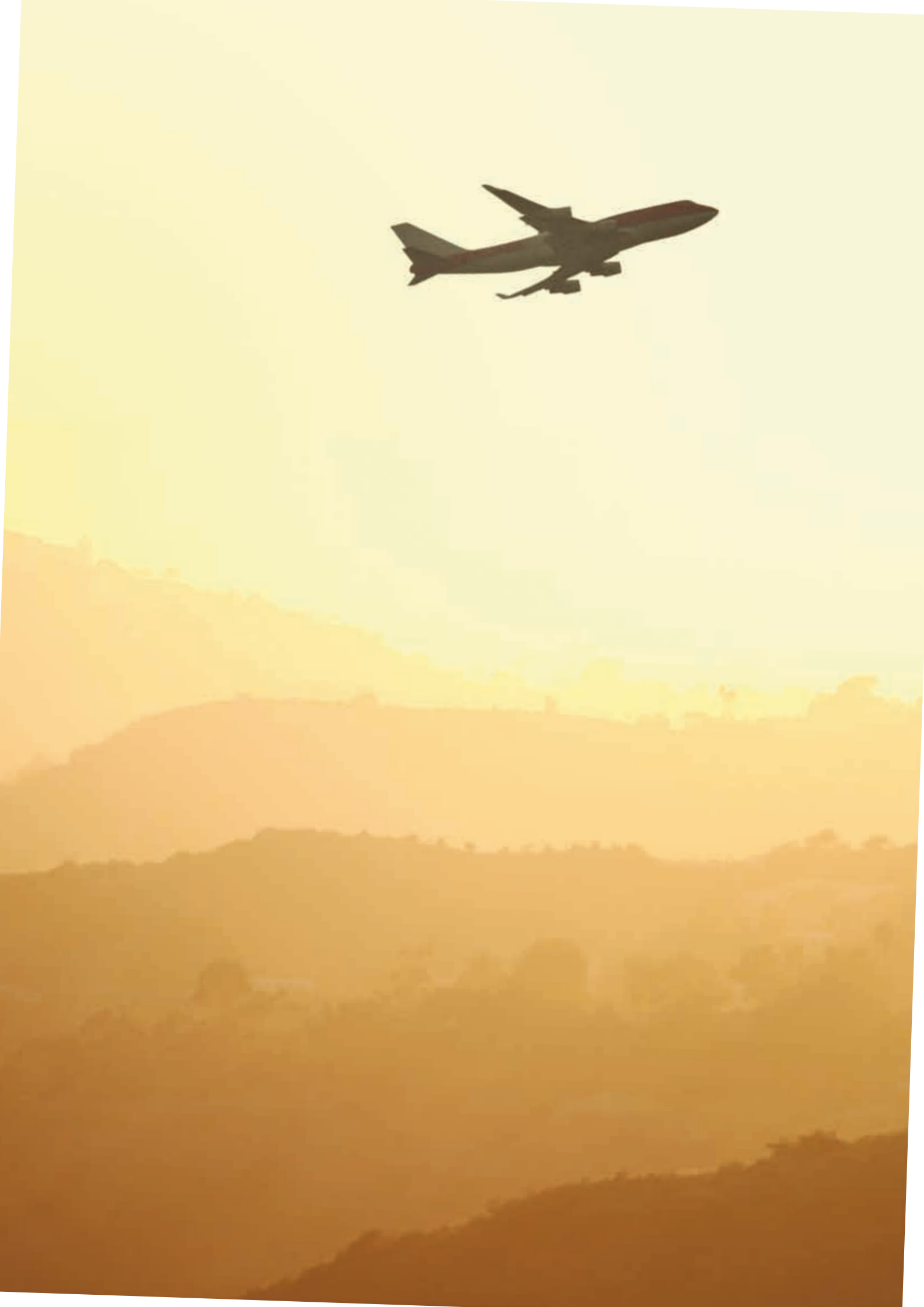
**AEROSPACE AND  
PRECISION WIRE STRIPPING**



**EUROPE, MIDDLE EAST & AFRICA CATALOGUE**



**[www.idealind.com](http://www.idealind.com)**



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# WIRE STRIPPING BASICS

There are two basic levels of wire stripping:

- **Aerospace Grade High Precision Wire Stripping**
- **Precision Wire Stripping**

**Aerospace Grade High Precision** wire stripping is employed where extreme reliability and critical tolerances must be achieved: airplanes, helicopters, satellites, launchers, guidance and communications systems are just some examples of applications where high precision wire stripping is required. In many cases, the aerospace military standard is called for and meeting that standard is rigidly enforced.

**'A common misconception is that two wires with the same gauge will have identical measurements!'**

Wire dimensions affect stripping requirements. A variety of factors determine just how precisely a wire can be stripped, including gauge, insulation type and concentricity.

Wire conductor diameters can differ just as insulation thicknesses vary. Both factors are important when selecting the proper blades, wire stripper and stripping method of specific applications.

Tools of such grade have gripper pads of different thickness and surface type, to hold the wire insulation without damaging it, and have counter bored, either die type or razor type blades.

**Precision Wire Stripping** is used in the manufacturing of rolling stock, automotive, marine harnesses etc.

This requires wire strips that assure product reliability and are obtained at a relatively low cost. Tools of such grade have knife type blades

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



The type of wire to be stripped and the type of stripping required, non-precision or precision, will help determine the stripping tool and/or method to be employed for optimum results.

For that reason, **IDEAL INDUSTRIES** offers the widest variety of blades, each one specifically designed for achieving the best strip.

**CHECK OUT OUR FREE WIRE ANALYSIS SERVICE ON PAGE 50**

# AEROSPACE GRADE TOOLS

Every aspect of the aerospace industry demands precision and accuracy. That includes wire processing - our area of expertise at IDEAL.

**' Working with both wire manufacturers and aerospace engineers, we develop unique blades with tight tolerances that strip wire accurately and dependably'**



## How Aerospace grade tools work:

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



## Precision counter bored die type blades



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.



## Precision counter bored razor type blades



Razor type blades are sandwich made of two external plates holding counter bored holes sized to the insulation and an internal cutting hole razor sized to the conductor. This varies depending on insulation type and thickness.





# OMEGA STRIPMASTER®

OMEGA STRIPMASTER®





# OMEGA STRIPMASTER® WIRE STRIPPER

Cushioned  
comfort grip

The Omega Stripmaster® Wire Stripper is capable of reaching into tight spaces.



Blades sold separately

Adjustable transparent wire stop sold separately



## BLADES

- HA series die type blades help provide proper alignment and the same high precision strip quality as Custom Stripmaster®
- Blades sold separately
- Single gauge high precision blades available for use with Mil-Spec wire
- Submit wire samples to determine the proper precision blade for application
- Custom made blades can be designed and manufactured - contact IDEAL for further details



OMEGA STRIPMASTER®



# OMEGA STRIPMASTER® WIRE STRIPPER

Approved by  
**AIRBUS**  
and listed on  
API

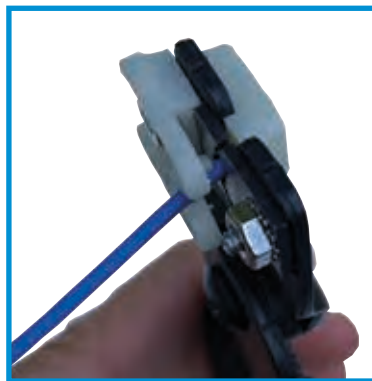
OMEGA STRIPMASTER®

## WIRE APPLICATION GUIDE

Wire	AWG	Blade	Wire	AWG	Blade
Quadrax	24	HA-2223	DR	16	HA-1603
	24	HA-2408		18	HA-1812
AD	16	HA-1603		20	HA-2022
	18	HA-1812		22	HA-2223
	20	HA-2022		24	HA-2412
	22	HA-2223	26	HA-2608	
	24	HA-2412			
	26	HA-2608			

We recommend  
that nuts are  
fastened to  
0.55-0.80 Nm  
(5-7 lbs) when  
blades are installed.

## SPARE PARTS & ACCESSORIES



### Spares & Accessories

Description	Cat. No.
Omega Stripmaster® Wire Stripper	<b>65-0150</b>
Black handle sleeve	<b>KB-1036</b>
Wire guide	<b>LB-3136</b>
Fixed length wire stop*	<b>LB-3137</b>
Adjustable transparent wire stop	<b>L-5270</b>

\* For custom fixed length wire stops, please contact IDEAL



**Adjustable wire stop**  
for precision strip lengths

Description	Dimensions mm	Weight in grams
Tool	138 x 83 x 12	96
Packaging	193 x 75 x 38	127



# WIRE APPLICATION GUIDE

OMEGA STRIPMSATER®

Wire Specification	AWG	Blade
AEP System 2112	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
AD	16	<b>HA-1603</b>
	18	<b>HA-1812</b>
	20	<b>HA-2022</b>
	22	<b>HA-2223</b>
	24	<b>HA-2412</b>
AK	26	<b>HA-2608</b>
	18	<b>HA-1809</b>
	20	<b>HA-2009</b>
	22	<b>HA-2209</b>
	24	<b>HA-2409</b>
AKA	26	<b>HA-2609</b>
	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>
AKB	26	<b>HA-2600</b>
	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>
BE	26	<b>HA-2600</b>
	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>
BF	26	<b>HA-2600</b>
	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>
BMS 13-48 TYPES 10-14, 27, 28,31, 32,35, 36 (8mil Wall Thickness)	18	<b>HA-1804</b>
	20	<b>HA-2004</b>
	22	<b>HA-2204</b>
	24	<b>HA-2404</b>
	26	<b>HA-2604</b>
BMS 13-48 TYPES 1-7, 25, 26,30 (6mil Wall Thickness)	18	<b>HA-1807</b>
	20	<b>HA-2007</b>
	22	<b>HA-2207</b>
	24	<b>HA-2407</b>
	26	<b>HA-2607</b>

Wire Specification	AWG	Blade
BMS 13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
BMS 13-60 TYPE 1-6, 19-21, 23-27, 33-34	18	<b>HA-1812</b>
	20	<b>HA-2012</b>
	22	<b>HA-2212</b>
	24	<b>HA-2412</b>
	26	<b>HA-2612</b>
BMS 13-60 TYPE 7-12	18	<b>HA-1813</b>
	20	<b>HA-2013</b>
	22	<b>HA-2213</b>
	24	<b>HA-2413</b>
	26	<b>HA-2613</b>
CF	18	<b>HA-1810</b>
	20	<b>HA-2010</b>
	22	<b>HA-2210</b>
DE	24	<b>HA-2411</b>
	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
DK	24	<b>HA-2400</b>
	26	<b>HA-2600</b>
	18	<b>HA-1810</b>
	20	<b>HA-2010</b>
DR	22	<b>HA-2210</b>
	24	<b>HA-2411</b>
	16	<b>HA-1603</b>
	18	<b>HA-1812</b>
	20	<b>HA-2022</b>
MIL-W-16878/5	22	<b>HA-2223</b>
	24	<b>HA-2412</b>
	26	<b>HA-2608</b>
	18	<b>HA-1801</b>
	20	<b>HA-2001</b>
MIL-W-22759/11/12/22/23	22	<b>HA-2201</b>
	24	<b>HA-2401</b>
	26	<b>HA-2601</b>
	18	<b>HA-1802</b>
	20	<b>HA-2002</b>
	22	<b>HA-2202</b>
	24	<b>HA-2402</b>
26	<b>HA-2602</b>	
28	<b>HA-2802</b>	
30	<b>HA-3002</b>	

# WIRE APPLICATION GUIDE

Wire Specification	AWG	Blade
MIL-W-22759/16/17	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
MIL-W-22759/18/19	18	<b>HA-1807</b>
	20	<b>HA-2007</b>
	22	<b>HA-2207</b>
	24	<b>HA-2407</b>
	26	<b>HA-2607</b>
MIL-W-22759/32/33/44/45/46	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
MIL-W-22759/34/35/41/42/43	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
	28	<b>HA-2802</b>
	30	<b>HA-3002</b>
MIL-W-22759/83/84/85/86/87/88/89/90	18	<b>HA-1812</b>
	20	<b>HA-2012</b>
	22	<b>HA-2212</b>
	24	<b>HA-2412</b>
MIL-W-5086/1/7	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>
	26	<b>HA-2600</b>
MIL-W-81044/11/12/13	18	<b>HA-1803</b>
	20	<b>HA-2003</b>
	22	<b>HA-2203</b>
	24	<b>HA-2403</b>
	26	<b>HA-2603</b>
	28	<b>HA-2802</b>
	30	<b>HA-3002</b>
MIL-W-81044/16/17	18	<b>HA-1805</b>
	20	<b>HA-2005</b>
	22	<b>HA-2205</b>
	24	<b>HA-2405</b>
	26	<b>HA-2605</b>
MIL-W-81044/8/9/10	18	<b>HA-1801</b>
	20	<b>HA-2001</b>
	22	<b>HA-2201</b>
	24	<b>HA-2401</b>
	26	<b>HA-2601</b>
	28	<b>HA-2801</b>
	30	<b>HA-3001</b>

Wire Specification	AWG	Blade
MIL-W-81381/1/2/6/7/8/9/10/17/21	18	<b>HA-1807</b>
	20	<b>HA-2007</b>
	22	<b>HA-2207</b>
	24	<b>HA-2407</b>
	26	<b>HA-2607</b>
	28	<b>HA-2802</b>
MIL-W-81381/11/12/13/14/22	30	<b>HA-3002</b>
	18	<b>HA-1804</b>
	20	<b>HA-2004</b>
	22	<b>HA-2204</b>
	24	<b>HA-2404</b>
	26	<b>HA-2604</b>
MIL-W-81381/17/21	28	<b>HA-2802</b>
	18	<b>HA-1806</b>
	20	<b>HA-2006</b>
	22	<b>HA-2206</b>
	24	<b>HA-2406</b>
	26	<b>HA-2606</b>
MIL-W-81381/18/19/20	18	<b>HA-1807</b>
	20	<b>HA-2007</b>
	22	<b>HA-2207</b>
	24	<b>HA-2407</b>
	26	<b>HA-2607</b>
MIL-W-81381/3/4	28	<b>HA-2801</b>
	30	<b>HA-3001</b>
MIL-W-85485/5/6/7/8	20	<b>HA-2011</b>
	22	<b>HA-2211</b>
MIL-W-85485/9/10	18	<b>HA-1805</b>
	20	<b>HA-2005</b>
	22	<b>HA-2205</b>
	24	<b>HA-2405</b>
	26	<b>HA-2605</b>
PAN 6411 DP 002 to 012	18	<b>HA-1810</b>
	20	<b>HA-2010</b>
	22	<b>HA-2210</b>
	24	<b>HA-2411</b>
PAN 6429 BE 002 to 006	18	<b>HA-1800</b>
	20	<b>HA-2000</b>
	22	<b>HA-2200</b>
	24	<b>HA-2400</b>

**CHARTS ARE FOR INFORMATION ONLY**

**PLEASE CONSULT IDEAL FOR APPLICATION REFERENCES**

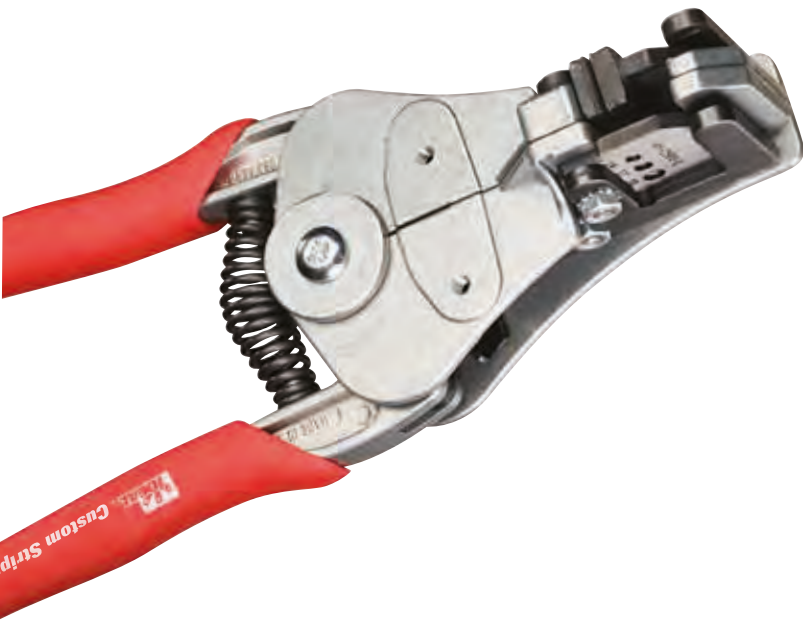
**A PARTICULAR CAT. NO. MAY WORK ON MULTIPLE APPLICATIONS NOT LISTED IN THE CHARTS ABOVE.**





# CUSTOM STRIPMASTER® WIRE STRIPPERS

CUSTOM STRIPMASTER®



# CUSTOM STRIPMASTER® LITE WIRE STRIPPERS



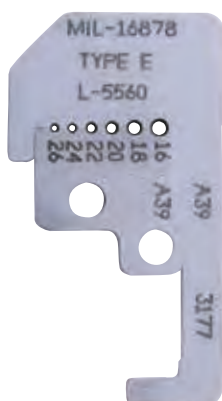
# CUSTOM STRIPMASTER® WIRE STRIPPERS



CUSTOM STRIPMASTER®

The Custom Stripmaster® Wire Stripper is the industry standard in hand held, precision wire stripping. It provides fast, accurate wire stripping with its one step, squeeze action stripping and unique precision blade design. This light-weight wire stripper made from sturdy die cast zinc, is designed for maximum mobility and high productivity in all types of precision and Aerospace grade high precision stripping applications.

- Meets SAE-AS5768 standards
- Strips 30 - 10 AWG solid or stranded wire
- Mil-spec die type blades allow precision stripping
- Inner cutting hole sized to conductor and counter bored holes sized to insulation



- Gripper pads
- Precision die type blades
- Die cast zinc frame
- Spring-action mechanical design
- Cushioned comfort grip handles



- Replaceable grippers
- Optional short stop-latch and transparent wire stop
- Cushioned, comfort grip handles
- Engineering service and made-to-order blades available.

**CHECK OUT CALIBRATION PROCEDURES ON PAGE 25**

The Custom Stripmaster® Wire Stripper offers extra leverage with its spring action mechanical design for reduced operator effort. It can be customised with your choice of gripper pads and blade sets to match your wire stripping requirements. The comfort grip handles are colour coded to identify the best tool for the application.










- Red handles are used for larger wire (10-14 AWG)
- Black handles are used for smaller wire (16-30 AWG).

The blades and grippers installed in the tool are specific to the application. Optional short-stop latch and transparent wire stop increases tool versatility and insures consistent strip lengths.

# CUSTOM STRIPMASTER® WIRE STRIPPERS



CUSTOM STRIPMASTER®

Main Application	AWG	Complete Tool Cat. No.	Spare Blade Cat. No.	Notes
AD	10-14	45-2825-9 	45-2825-1	‡
	16-26	45-2824-9 	45-2824-1	‡
CF	12-14	45-1774 	45-1774-1	
	18-24	45-1773 	45-1773-1	
DM	10-14	45-1939 	45-1939-1	
	16-22	45-2811	45-2811-1	
DR	10-14	45-2835 	45-2825-1	*
	16-26	45-2829 	45-2828-1	**
TL	10-14	45-2541	45-2541-1	
	16-24	45-2543	45-2543-1	
TL PLUS	16-26	45-2564	45-2564-1	
Mil-W-16878 E (600V) Teflon	16-26	45-177/45-177M	L-5560	
	26-30	45-178/45-178M	L-5561	
Mil-W-16878 EE (1000V) Teflon	16-26	45-174/45-174M 	L-5563	
Mil-W-22759/32-46	16-26	45-1987 	45-1987-1	
Mil-W-81044, 88A081X-Poly X	10-14	45-1611	45-1611-1	
	16-26	45-1610	45-1610-1	

‡: purple handle; includes wire stop specific for AD wires

\*: green handle

\*\* : green handle; improved quality alternative to 45-2834 (blade 45-2824-1)

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

**CHARTS ARE FOR INFORMATION ONLY**

**PLEASE CONSULT IDEAL FOR APPLICATION REFERENCES**

A PARTICULAR CAT. NO. MAY WORK ON MULTIPLE APPLICATIONS NOT LISTED IN THE CHARTS ABOVE.

**CHECK OUT THE  
"MAINTENANCE KIT"  
ON PAGE 27**

Description	Dimensions mm	Weight in grams
Tool	170 x 125 x 37	380
Packaging	193 x 75 x 38	413

# SPARES & ACCESSORIES

## Replacement Gripper Pads

Surface Type	AWG	Complete Set * Cat. No.	Stationary Pad Cat. No.	Movable Pad Cat. No.
Grit **	10-14	LB-197	LB-5215	LB-5212
	16-30	LB-198	LB-5217	
File ‡	10-14	LB-721	LB-719	LB-718
	16-30	LB-722	LB-720	
Parallel	10-14	LB-730	LB-728	LB-727
	16-30	LB-731	LB-729	

\* Gripper Set includes one stationary gripper and one movable gripper

\*\* Grit pads are standard for most Custom Stripmaster®

‡ These are for use on hard-to-grip surfaces

Notes: ' - gripper pad selection depends on insulation type and user preference

' - for 10-14AWG use 0.129" (3,3mm) stationary, for 16-30AWG use 0.156" (4mm)

Standard Frame Assemblies (with Grit gripper set)		AWG	Cat. No.
Custom Stripmaster®	Frame only	10-14	L-5616
		16-30	L-5617
	Frame only + Wire Stop + Short Stop Latch	10-14	L-5618
		16-30	L-5619
	Frame only + Internal Spring *	10-14	L-9039
		16-30	L-9038
Custom Steel Stripmaster®	Frame only	10-14	LB-1091
		16-30	LB-1092
	Frame only + Internal Spring *	10-14	LB-1090
		16-30	LB-1089

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

Special Frame Assemblies		Cat. No.
Custom Steel Stripmaster®	Frame only, no grippers, black sleeve, metric nuts and studs	45-2575

## Other Accessories

Description	Cat. No.
Short stop latch for Custom Stripmaster®	<b>L-5269</b>
Adjustable transparent wire stop for Custom Stripmaster®	<b>L-5270</b>
Adjustable transparent wire stop for Metric Custom Stripmaster®	<b>45-2019</b>



Short-stop latch protects wire strands by limiting the stripping stroke to **4 mm (5/32")** and retains the slug until the wire is ready for termination



Transparent wire stop provides uniform stripping length

## Replacement Hand Sleeves

Colour	Cat. No.
Dark Purple	<b>45-2814-2</b>
Green	<b>45-2834-2</b>



# WIRE APPLICATION GUIDE

Wire Specification	AWG	Complete Tool	Blade
5 MDI AIRFRAME TYPE A&B	10-14	45-2691	45-2691-1
5 MDI HOOK-UP TYPE C	10-14	45-2694	45-2694-1
AD	10-14	45-2825-9	45-2825-1
	16-26	45-2824-9	45-2824-1
AEP System 2112	16-26	45-1987	45-1987-1
AK	16-26	45-1513	45-1513-1
AKA	10-14	45-1608	45-1608-1
	10-14	45-170	L-5210
	16-26	45-1654	L-5211
	16-26	45-171	45-1654-1
AKB	10-14	45-1608	45-1608-1
	10-14	45-170	L-5210
	16-26	45-1654	L-5211
	16-26	45-171	45-1654-1
BE	10-14	45-170	L-5210
	16-26	45-171	L-5211
BF	10-14	45-1939	45-1939-1
	12-14	45-1774	45-1774-1
	16-24	45-1773	45-1773-1
BMS 13-48 TYPES 10-14, 27, 28,31, 32,35, 36 (8mil Wall Thickness)	10-14	45-1611	45-1611-1
	10-14	45-2500	45-2500-1
BMS 13-48 TYPES 1-7, 25, 26,30 (6mil Wall Thickness)	10-14	45-2500	45-2500-1
	16-26	45-1654	45-1654-1
BMS 13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	10-14	45-1611	45-1611-1
	10-14	45-2500	45-2500-1
	16-26	45-1987	45-1987-1
BMS 13-60 TYPE 12-18, 28-32	10-14	45-2542	45-2542-1
	16-24	45-2544	45-2544-1
BMS 13-60 TYPE 1-6, 19-21, 23-27, 33-34	10-14	45-2541	45-2541-1
	16-26	45-2543	45-2543-1
BMS 13-60 TYPE 7-12	10-14	45-2565	45-2565-1
	16-26	45-2564	45-2564-1
CF	12-14	45-1774	45-1774-1
	16-24	45-1773	45-1773-1
DE DE	10-14	45-170	L-5210
	16-26	45-171	L-5211
DK DK	10-14	45-1939	45-1939-1
	12-14	45-1774	45-1774-1
DK	16-24	45-1773	45-1773-1
DL	10-14	45-1939	45-1939-1
DM DM	10-14	45-1939	45-1939-1
	16-24	45-2811	45-2811-1
DR*	10-14	45-2835	45-2825-1
	16-26	45-2829-9	45-2828-1
JN 1007 CH 002 to 012	16-24	45-2775	45-2775-1
JN 1007 CH 020 to 030	12-14	45-2776	45-2776-1
MIL-W-16878/4	10-14	45-1611	45-1611-1
MIL-W-16878/5	16-26	45-174	L-5563
MIL-W-22759/11/12/22/23	16-26	45-177	L-5560
MIL-W-22759/11/12/22/23	26-30	45-178	L-5561

\* DR wire M22759/192 translates to Cat. No. 45-2824 for 16-26AWG wire and 45-2825 for 10-14AWG wire.

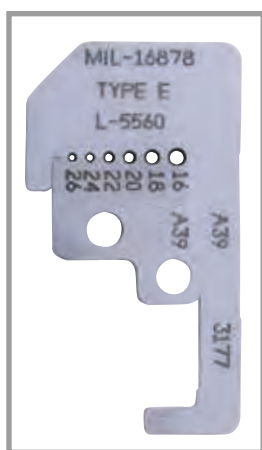
Wire Specification	AWG	Complete Tool	Blade
MIL-W-22759/16/17 MIL-W-22759/16/17	10-14	45-1611	45-1611-1
	16-26	45-1987	45-1987-1
MIL-W-22759/18/19 MIL-W-22759/18/19	10-14	45-1608	45-1608-1
	16-26	45-1551	45-1551-1
MIL-W-22759/32/33/44/45/46 MIL-W-22759/32/33/44/45/46	16-26	45-1987	45-1987-1
	16-26	45-1654	45-1654-1
MIL-W-22759/34/35/41/42/43	10-14	45-1611	45-1611-1
	10-14	45-2500	45-2500-1
	16-26	45-1987	45-1987-1
	26-30	45-178	L-5561
MIL-W-22759/80/81/82/91/92 MIL-W-22759/80/81/82/91/92	10-14	45-2542	45-2542-1
	16-24	45-2544	45-2544-1
MIL-W-22759/83/84/85/86/87/ 88/89/90	10-14	45-2541	45-2541-1
	16-26	45-2543	45-2543-1
	16-26	45-2618	45-2618-1
MIL-W-24640/19/22/23/24	14-22	45-1957	45-1957-1
MIL-W-5086 TYPE I & TYPE II MIL-W-5086 TYPE I & TYPE II MIL-W-5086 TYPE I & TYPE II	10-14	45-1159	45-1159-1
	16-22	45-1302	45-1302-1
	8-12	45-1192	45-1192-1
MIL-W-5086/1/7	16-26	45-171	L-5211
MIL-W-81044/11/12/13 MIL-W-81044/11/12/13 MIL-W-81044/11/12/13 MIL-W-81044/11/12/13	10-14	45-1611	45-1611-1
	10-14	45-2500	45-2500-1
	16-26	45-1987	45-1987-1
	26-30	45-178	L-5561
MIL-W-81044/16/17 MIL-W-81044/16/17	10-14	45-1611	45-1611-1
	16-26	45-1610	45-1610-1
MIL-W-81044/4/5/6	10-14	45-170	L-5210
	10-14	45-173	L-5662
	16-26	45-174	L-5563
MIL-W-81044/8/9/10 MIL-W-81044/8/9/10 MIL-W-81044/8/9/10	26-30	45-175	L-5564
	10-14	45-1609	45-1609-1
MIL-W-81381/1/2/6/7/8/9/10/17/ 21, MIL-W-81381/1/2/6/7/8/9/10/ 17/21, MIL-W-81381/1/2/6/7/8/9/ 10/17/21	16-26	45-1551	45-1551-1
	26-30	45-178	L-5561
MIL-W-81381/11/12/13/14/22 MIL-W-81381/11/12/13/14/22 MIL-W-81381/11/12/13/14/22	10-14	45-1608	45-1608-1
	16-26	45-1654	45-1654-1
	26-30	45-178	L-5561
MIL-W-81381/17/21 MIL-W-81381/17/21 MIL-W-81381/17/21	16-26	45-1523	45-1523-1
	16-26	45-1633	45-1633-1
	16-26	45-1672	45-1672-1
MIL-W-81381/18/19/20 MIL-W-81381/18/19/20 MIL-W-81381/18/19/20	10-14	45-1609	45-1609-1
	16-26	45-1551	45-1551-1
	16-26	45-1672	45-1672-1
MIL-W-81381/3/4	26-30	45-175	L-5564
MIL-W-85485/5/6/7/8 MIL-W-85485/5/6/7/8	10-14	45-1925	45-1925-1
	16-24	45-1924	45-1924-1
MIL-W-85485/9/10	16-26	45-1610	45-1610-1
MIL-W-85485/9/10/11/12	10-14	45-1611	45-1611-1
PAN 6411 DP 002 to 012	16-24	45-2801	45-1773-1
PAN 6411 DP 020 & 030	12-14	45-2802	45-1774-1
PAN 6429 BE 002 to 006	16-24	45-171	L-5211
Raychem 44A021 X, 44/051 X	10-14	45-176	L-5559

# CUSTOM STRIPMASTER® LITE WIRE STRIPPERS

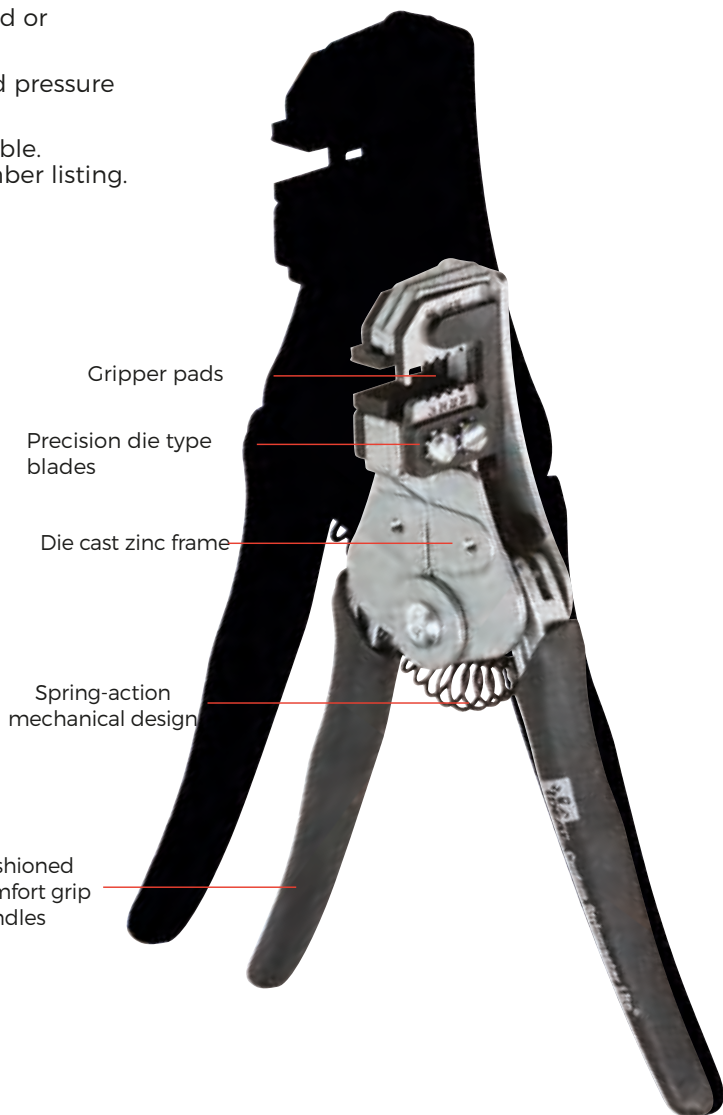
CUSTOM STRIPMASTER®

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

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



- Outer counter bore hole, sized to insulation while inner-hole cuts insulation without touching the conductor during stripping



**CHECK OUT CALIBRATION PROCEDURES ON PAGE 27**

# CUSTOM STRIPMASTER® LITE WIRE STRIPPERS

Main Application	AWG	Complete Tool Cat. No.	Spare Blade Cat. No.
Mil-W-16878 E (600V) Teflon	16-22	45-638	LB-918
	18-26	45-2139	45-2139-1
	20-26	45-639	LB-919
	28-30	45-640	LB-920
Mil-W-16878 EE (1000V) Teflon	16-22	45-635	LB-915
	20-26	45-636	LB-916
	24-30	45-637	LB-917
Mil-W-22759/32-46	16-24	45-2133	45-2133-1

**CHARTS ARE FOR INFORMATION ONLY**

**PLEASE CONSULT IDEAL FOR APPLICATION REFERENCES**

A PARTICULAR CAT. NO. MAY WORK ON MULTIPLE APPLICATIONS NOT LISTED IN THE CHARTS ABOVE.

**173  
GRAMS  
ONLY**

**CHECK OUT THE  
"MAINTENANCE KIT"  
ON PAGE 29**

Description	Dimensions mm	Weight in grams
Tool	140 x 103 x 31	173
Packaging	193 x 75 x 38	203

# SPARE PARTS & ACCESSORIES

CUSTOM STRIPMASTER®

## For Custom Stripmaster® Lite Wire Strippers

Surface Type	Gripper Set* Cat. No.	Movable Gripper Cat. No.	Stationary Gripper (Thickness) Cat. No.
Grit**	<b>LB-1188</b>	<b>LB-882</b>	<b>LB-883</b> (2.77 mm/0.109 in.)
File‡	<b>LB-1189</b>	<b>LB-1184</b>	<b>LB-1185</b> (2.77 mm/0.109 in.)
Parallel	<b>LB-1190</b>	<b>LB-1186</b>	<b>LB-1187</b> (2.77 mm/0.109 in.)

\* Gripper Set includes one movable gripper, one stationary gripper.

\*\* Grit pads are standard for most Custom Stripmaster® and Custom Stripmaster® Lite products.

‡ These are for use on hard-to-grip surfaces. Gripper pad selection depends on insulation type and user preference.  
Note: For 10-14 AWG, use .129 in. stationary gripper. For 16-30 AWG, use .156 in. gripper.

## Replacement Frame Assemblies

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

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

## Replacement Hand Sleeves

Colour	Cat. No.
Black	<b>LA-4064</b>

## Other Accessories

Description	Cat. No.
Short stop latch for Custom Stripmaster® Lite	<b>LB-1195</b>
Adjustable transparent wire stop for Custom Stripmaster® Lite	<b>LB-1194</b>



Short-stop latch protects wire strands by limiting the stripping stroke to **4 mm** (5/32") and retains the slug until the wire is ready for termination



Transparent wire stop provides uniform stripping length

# APPLICATION GUIDE

Wire Specification	AWG	Complete Tool	Blade
5 MDI AIRFRAME TYPE A&B	14-24	45-2685	45-2685-1
5 MDI HOOK-UP TYPE C 5 MDI HOOK-UP TYPE C	16-22	45-2693	45-2693-1
	20-26	45-2692	45-2692-1
AK AK	16-22	45-2128	45-2128-1
	20-26	45-2129	45-2129-1
AKA AKA	16-22	45-632	LB-912
	16-24	45-2132	45-2132-1
AKB AKB	16-22	45-632	LB-912
	16-24	45-2132	45-2132-1
BE	16-22	45-632	LB-912
BF BF	16-22	45-2126	45-2126-1
	20-26	45-2127	45-2127-1
BMS 13-48 TYPES 10-14, 27, 28, 31,32,35, 36 (8mil Wall Thickness)	16-24	45-2132	45-2132-1
BMS 13-48 TYPES 1-7, 25, 26,30 (6mil Wall Thickness)	16-24	45-2612	45-2612-1
BMS 13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	16-24	45-2133	45-2133-1
BMS 13-60 TYPE 13-18, 28-32	16-24	45-2698	45-2698-1
BMS 13-60 TYPE 1-6, 19-21, 23-27, 33-34	16-24	45-2697	45-2697-1
CF CF	16-22	45-2126	45-2126-1
	20-26	45-2127	45-2127-1
DE	16-22	45-632	LB-912
MIL-W-16878/5	16-22	45-635	LB-915
MIL-W-22759/11/12/22/23 MIL-W-22759/11/12/22/23 MIL-W-22759/11/12/22/23	16-24	45-2138	45-2138-1
	18-26	45-2139	45-2139-1
	24-30	45-640	LB-920
MIL-W-22759/16/17 MIL-W-22759/16/17	16-24	45-2133	45-2133-1
	20-26	45-2118	45-2118-1
MIL-W-22759/18/19 MIL-W-22759/18/19	16-24	45-2612	45-2612-1
	20-26	45-2125	45-2125-1
MIL-W-22759/32/33/44/45/46 MIL-W-22759/32/33/44/45/46 MIL-W-22759/32/33/44/45/46 MIL-W-22759/32/33/44/45/46	16-24	45-2133	45-2133-1
	16-24	45-2132	45-2132-1
	20-26	45-2114	45-2114-1
	20-26	45-2118	45-2118-1
MIL-W-22759/34/35/41/42/43 MIL-W-22759/34/35/41/42/43 MIL-W-22759/34/35/41/42/43	16-24	45-2133	45-2133-1
	20-26	45-2118	45-2118-1
	24-30	45-640	LB-920

Wire Specification	AWG	Complete Tool	Blade
MIL-W-22759/80/81/82/91/92	16-22	45-2693	45-2693-1
	20-26	45-2692	45-2692-1
MIL-W-22759/83/84/85/86/87/ 88/89/90 MIL-W-22759/83/84/ 85/86/87/88/89/90	16-24	45-2685	45-2685-1
	16-24	45-2799	45-2799-1
MIL-W-5086/1/7	24-30	45-634	LB-914
MIL-W-81044/11/12/13 MIL-W-81044/11/12/13 MIL-W-81044/11/12/13	16-24	45-2133	45-2133-1
	20-26	45-2118	45-2118-1
	24-30	45-640	LB-920
MIL-W-81044/16/17 MIL-W-81044/16/17	16-24	45-2131	45-2131-1
	20-26	45-2112	45-2112-1
MIL-W-81044/4/5/6 MIL-W-81044/4/5/6	16-22	45-632	LB-912
	20-26	45-633	LB-913
MIL-W-81044/8/9/10 MIL-W-81044/8/9/10 MIL-W-81044/8/9/10	16-22	45-635	LB-915
	20-26	45-636	LB-916
	24-30	45-637	LB-917
MIL-W-81381/1/2/6/7/8/9/10/17/21 MIL-W-81381/1/2/6/7/8/9/10/17/21 MIL-W-81381/1/2/6/7/8/9/10/17/21	16-24	45-2612	45-2612-1
	20-26	45-2125	45-2125-1
	24-30	45-640	LB-920
MIL-W-81381/11/12/13/14/22 MIL-W-81381/11/12/13/14/22 MIL-W-81381/11/12/13/14/22	16-24	45-2132	45-2132-1
	20-26	45-2114	45-2114-1
	24-30	45-640	LB-920
MIL-W-81381/17/21 MIL-W-81381/17/21	16-24	45-2121	45-2121-1
	20-26	45-2120	45-2120-1
MIL-W-81381/18/19/20 MIL-W-81381/18/19/20	16-24	45-2612	45-2612-1
	20-26	45-2125	45-2125-1
MIL-W-81381/3/4	24-30	45-637	LB-917
MIL-W-85485/9/10	16-24	45-2131	45-2131-1
PAN 6411 DP 002 to 012 PAN 6411 DP 002 to 012	16-22	45-2126	45-2126-1
	20-26	45-2127	45-2127-1
PAN 6429 BE 002 to 006	16-22	45-632	LB-912

**CHARTS ARE FOR INFORMATION ONLY - PLEASE CONSULT IDEAL FOR APPLICATION REFERENCES**

**A PARTICULAR CAT. NO. MAY WORK ON MULTIPLE APPLICATIONS NOT LISTED IN THE CHARTS ABOVE.**





# ERGO-ELITE STRIPMASTER<sup>®</sup> WIRE STRIPPER



ERGO-ELITE STRIPMASTER<sup>®</sup>



# ERGO-ELITE STRIPMASTER® WIRE STRIPPER

ERGO-ELITE STRIPMASTER®

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

The Ergo-Elite Stripmaster® Wire Stripper offers the latest light weight, ergonomically engineered wire stripper for the aerospace industry. The tilted wire stripping head in this sleek 147 g / 5 oz. design provides better leverage and clear view for wire positioning.

The advanced jaw position ensures a quality strip on a wide range of wire gauges while eliminating potential scraping of the inner conductor and leaving a squared finish.



**149  
GRAMS  
ONLY**



Main Application	AWG	Complete Tool Cat. No.	Spare Blade Cat. No.
DR	16-26	55-2824	55-2824-1
DM	16-24	55-2811	55-2811-1
CF	18-24	55-1773	55-1773-1
MIL-W-22759/7/8	16-22	55-1500	55-1500-1
MIL-W-22759/11/12	16-26	55-5560	55-5560-1
Mil-W-22759/32-46	16-26	55-1987	55-1987-1

**CHARTS ARE FOR INFORMATION ONLY**

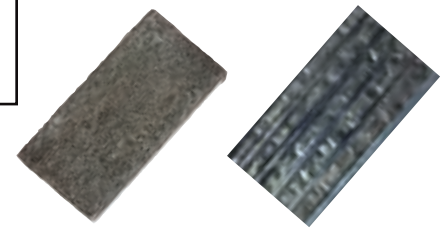
**PLEASE CONSULT IDEAL FOR APPLICATION REFERENCES**

**A PARTICULAR CAT. NO. MAY WORK ON MULTIPLE APPLICATIONS NOT LISTED IN THE CHARTS ABOVE.**

ERGO-ELITE STRIPMASTER®

## SPARES & ACCESSORIES

Description	Cat. No.
Frame only	<b>LB-4617</b>
Frame only with grit gripper pad set	<b>LB-4618</b>
Frame only with parallel gripper pad set	<b>LB-4619</b>
Grit gripper set	<b>LB-4620</b>
Parallel gripper set	<b>LB-4621</b>
Wire stop	<b>LB-1904</b>



Grit pad

Parallel pad

## APPLICATION GUIDE

Wire Specification	AWG	Complete Tool	Blade
AEP System 2112	16-24	55-2903	55-2903-1
BF	16-26	55-1773	55-1773-1
BMS 13-48 TYPES 10-14, 27,28,31, 32,35, 36 (8mil Wall Thickness)	16-26	55-1987	55-1987-1
BMS 13-48 TYPES 1-7, 25, 26,30 (6mil Wall Thickness)	16-26	55-1987	55-1987-1
BMS 13-48 TYPES 8, 9, 15, 23, 24 (10mil Wall Thickness)	16-26	55-1987	55-1987-1
BMS 13-60 TYPE 1-6, 19-21, 23-27,33-34	16-24	55-2543	55-2543-1
BMS 13-60 TYPE 7-12	16-26	55-2564	55-2564-1
BMS 13-78	16-22	55-2933	55-2933-1
BMS 13-80	22-26	55-2934	55-2934-1
CF	16-26	55-1773	55-1773-1
DK	16-26	55-1773	55-1773-1
DL	16-22	55-2905	55-2905-1

Wire Specification	AWG	Complete Tool	Blade
JN 1007 CH 002 to 012	16-24	55-2775	55-2775-1
MIL-W-22759/11/12/22/23	16-26	55-5560	55-5560-1
MIL-W-22759/16/17	16-26	55-1987	55-1987-1
MIL-W-22759/32/33/44/45/46	16-26	55-1987	55-1987-1
MIL-W-22759/34/35/41/42/43	16-26	55-1987	55-1987-1
MIL-W-22759/7/8	16-22	55-1500	55-1500-1
MIL-W-22759/80/81/82/91/92	16-26	55-2693	55-2693-1
MIL-W-22759/83/84/85/86/87/88/89/90	16-26	55-2685	55-2685-1
MIL-W-25038/3	16-22	55-2901	55-2901-1
MIL-W-81044/11/12/13	16-26	55-1987	55-1987-1
MIL-W-81044/8/9/10	16-22	55-2901	55-2901-1
MIL-W-81381/17/21	16-26	55-1633	55-1633-1
PAN 6420 YR 004 to 006	16-24	55-2903	55-2903-1
PAN 6588TW002	16-24	55-2775	55-2775-1

**CHECK OUT THE "MAINTENANCE KIT" ON PAGE 29**

Description	Dimensions mm	Weight in grams
Tool	149 x 118 x 37	149
Packaging	192 x 85 x 57	217



# CALIBRATION PROCEDURES

For Custom Stripmaster® and Custom Stripmaster® Lite Wire Strippers plus Stripmaster® and Stripmaster® Lite

CALIBRATION



**Step 1**  
Dismount the blades, then 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.

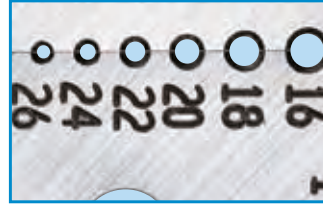


**Step 3**  
Position the blade retaining plate over the mounting studs. Install split lock washers and hex nuts onto the mounting studs. Do not tighten hex nuts at this time.



**Step 4**  
First, position the lower blade half cutting surface in line with the lower gripper pad surface by slightly depressing the gripper handle. Depress both handles just enough to allow the top and bottom blade surfaces to meet. (DO NOT exert too much pressure on the

handles could force the bottom blade out of alignment.) Now tighten the hex nuts to a maximum torque value of 10 in. lbs./1.13 newton meter.



**Step 5**  
Visually check the upper and lower blade alignment by depressing the blade handle only until the blade surfaces

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

**Step 6**  
The final checking procedure to confirm proper blade set-up and calibration is to perform a series of strips on wire samples for which the blades were designed. In doing so, be sure the one step stripping action is smooth with positive slug removal. During the stripping process check that the wire does not slip in the grippers and that the wire is not excessively bent by the gripper pads. Finally, closely inspect the stripped wire to be certain there are no nicks, scrapes or other defects in the conductor. Should any of the above occur, repeat the blade set-up and calibration procedures. Also, be certain that the sample wire is indeed correctly matched with the cutting blades used. Refer to the blade reference charts for blade selection guidelines.

## Optical Comparator

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

**Caution:** Never plug or mechanically gauge blade holes as this could result in damage to the blade. With the cutting blades properly set up and calibrated, the Custom Stripmaster® and Standard Stripmaster® Wire Strippers provide automatic, repeatable and superior quality wire stripping in a wide variety of production applications. Quality control and efficiency are assured.



# MAINTENANCE KIT

The IDEAL Maintenance Kit has been specifically designed for periodic maintenance of the following IDEAL hand tools:

- Omega Stripmaster®
- Custom Stripmaster®
- Custom Stripmaster® Lite
- Ergo-Elite Stripmaster®
- Stripmaster®
- Stripmaster® Lite

The IDEAL Maintenance Kit provides all the tools required to ensure the reliability of your tools to grant continuous high quality stripping operations:

## **Daily procedure:**

- Check all fasteners are properly tightened with torque screwdriver to specified torque
- Clean upper and lower gripper pads with brush
- Strip, test and check quality with loop

Kit includes the most common spare parts such as nuts, springs, screws, sleeves, etc.

Description	Cat. No.
Maintenance Kit	<b>MAINTKIT</b>





# PNEUMATIC WIRE STRIPPING MACHINES



STRIPMASTER® 950



# STRIPMASTER® 950

This electrically operated, pneumatic precision wire stripping unit is engineered to get the job done right every time.

It accommodates six different wire sizes without switching tools or blade sets, making it one of the most versatile wire strippers IDEAL offers.

## Interchangeable wire guide bushings machine model 45-950

It allows an easier reconfiguration of the machine in case a different scope of work is required. Individual blades and grippers (bushings) can be purchased separately from IDEAL and allow a fast and easy reconfiguration of the machine.

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



**CE** Customised identification label configured to each customers requirements.

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

\*5 ft./1.5 m. of wire for each wire stripping hole must be supplied at time of order.

Description	Cat. No.
Standard blade and bushings	<b>Consult Factory</b>
Air filter/regulator	<b>45-906</b>
220V, 50Hz Transformer	<b>45-951</b>

### Technical data for Stripmaster® 950 and Stripmaster® 954 pneumatic wire stripping machines

<b>Strip Lengths:</b>	Minimum: 3 mm / .125 in. Maximum: 16mm / .630 in.
<b>Capacities:</b>	Minimum: 0.05mm <sup>2</sup> / 30 AWG Maximum: 6.0mm <sup>2</sup> / 10 AWG
<b>Voltage:</b>	12V required for operation. 120V/60Hz transformer supplied as standard. For 220V/50Hz application, order 45-951 transformer.
<b>Air Pressure:</b>	65 PSI max.

<b>Air Filter</b>	Recommended, but not required.
<b>Blade Type:</b>	Heat treated steel knife or die type blades are available.
<b>Guide Bushings:</b>	Precision moulded and machined Delrin.
<b>Dimensions:</b>	Width: 168 mm / 6.6 in. Depth: 287 mm / 11.3 in. Height: 173 mm / 6.8 in.
<b>Weight:</b>	5.9 kgs / 13 lbs.
<b>Warranty:</b>	1 year limited warranty



# STRIPMASTER® 954

Model 954 is a variation of the 950 model and comes with permanent gripper assembly. It is designed for "hard to grip" wires and provides longer gripper life in high production usage.



Permanent grippers require a factory installed custom face plate with grippers sized to match your specific wire sizes and must be specified at time of order.

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

Customised identification label configured to each customers requirements.



STRIPMASTER® 954

Description	Cat. No.
Stripmaster® with permanent gripper assembly installed	<b>45-954</b>

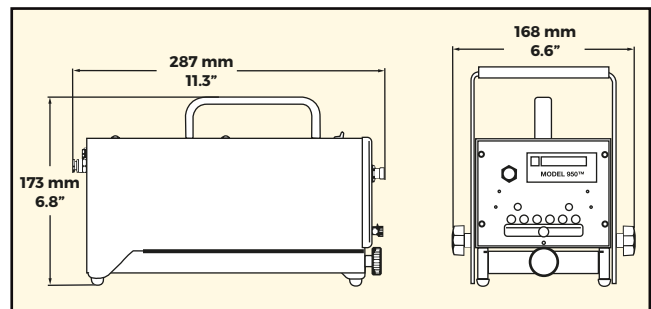
5 ft./1.5 m. of wire for each wire stripping hole must be supplied at time of order.

Description	Cat. No.
Standard blade and bushings	<b>Consult Factory</b>
Permanent Gripper Assembly	<b>45-950-4</b>
Air filter/regulator	<b>45-906</b>
220V, 50Hz Transformer	<b>45-951</b>

### Production rates for Stripmaster® 950 and Stripmaster® 954 pneumatic wire stripping machines

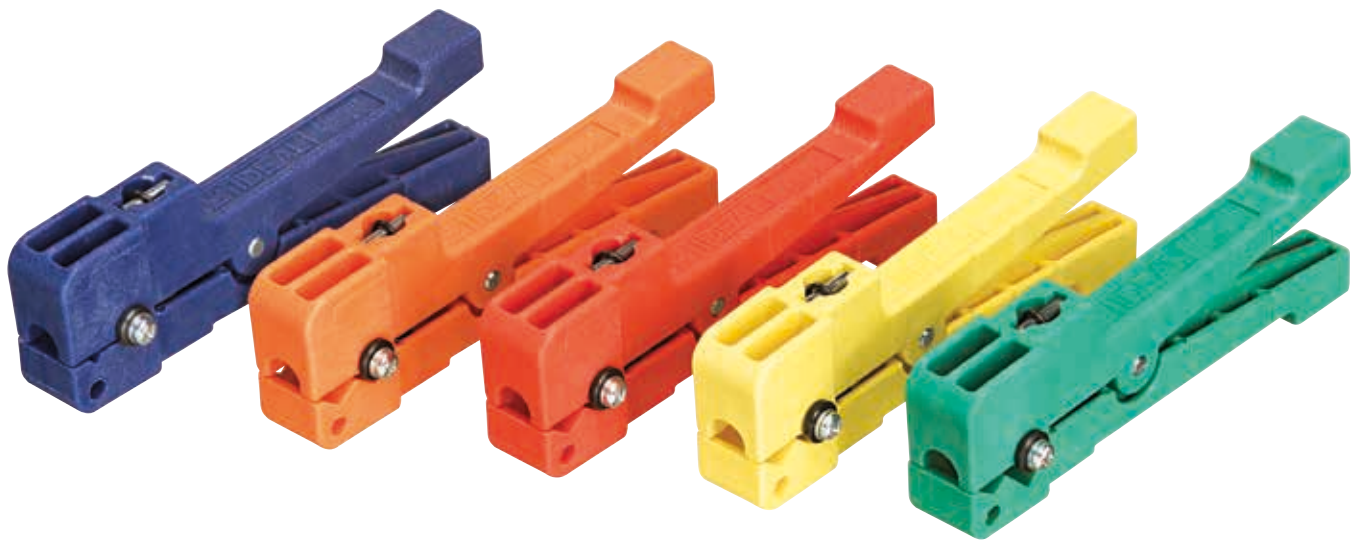
Production Conditions	Pieces/Hour	Hours/100 Pcs.
Short Strip 3mm / 1/8 in.	2,200-3,000	.033-.040
Medium Strip 6 mm / 1/4 in.	2,000-2,200	.046-.056
Long Strip 13 mm / 1/2 in.	1,500-1,700	.059-.067

### Dimensional Information for Stripmaster® 950 and Stripmaster® 954 pneumatic wire stripping machines





# RINGER™ SHIELDED CABLE STRIPPERS



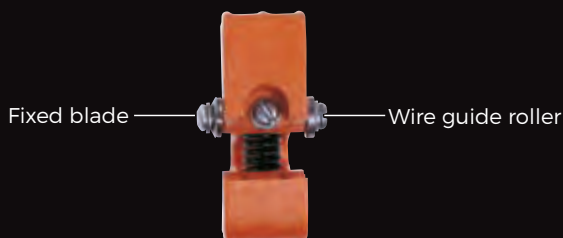
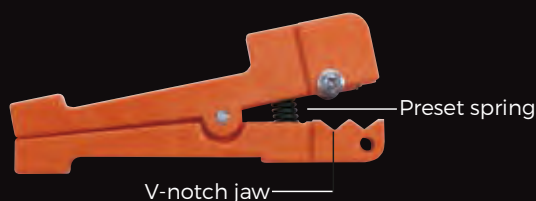
RINGER STRIPPERS

# RINGER™ SHIELDED CABLE STRIPPERS

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

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

RINGER STRIPPERS



45-400  
For cable diameters up to 3mm (0.12").  
Blades sold separately - see list on next page

45-401  
For cable diameters from to 3mm (0.12") to 5.5 mm (0.22") with 5 Mil insulation thickness, including Kapton®.  
Comes with K-6492 blade

45-402  
For cable diameters from to 3mm (0.12") to 5.5 mm (0.22") with 8-10 Mil insulation thickness, including Kynar®.  
Comes with K-6493 blade

45-403  
For cable diameters from to 3mm (0.12") to 5.5 mm (0.22").  
Blades sold separately - see list on next page

45-404  
With "deep-V" for larger cable diameters up to 7.6mm (0.30")  
Blades sold separately - see list on next page



The Ringer™ cable strippers allow for a full range of versatile cable stripping, including:

- Simple cuts
- Simple strips
- Strip and cut
- Window strip

# STRIPPING APPLICATIONS

## Score Cut

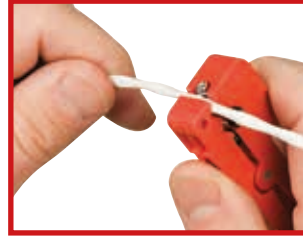


Rotate tool down and away from you. Only 2 or 3 revolutions are usually required to score insulation.



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

## Axial Cut



Use front blade (sold separately). Blade can be used for making length-wise cut or to remove long insulation slugs. Place cable in front notch, press tool head together and pull tool through end of cable, flex along cut line.



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

## BLADES



For use with any Ringer™ shielded cable stripper.

Select blade with cutting depth less than insulation thickness.

Contact IDEAL (+44 (0)1925 44 44 46) for FREE Application Engineering Service, blade selection or special stripping requests.

Cutting Depth mm/in.	Cat. No.
0.076mm / .0030 in.	<b>K-6491</b>
0.112mm / .0044 in.	<b>K-6492</b>
0.127mm / .0050 in.	<b>45-2780-1</b>
0.137mm / .0054	<b>45-2777-1</b>
0.152mm / .0060"	<b>K-6493</b>
0.178mm / .0070 in.	<b>K-6494</b>

Cutting Depth mm/in.	Cat. No.
0.203mm / .0080 in.	<b>K-6495</b>
0.229mm / .0090 in.	<b>K-6496</b>
0.254mm / .0100 in.	<b>K-6497</b>
0.279mm / .0110 in.	<b>K-6498</b>
0.305mm / .0120 in.	<b>K-6499</b>
0.330mm / .0130 in.	<b>K-6500</b>

Cutting Depth mm/in.	Cat. No.
0.356mm / .0140 in.	<b>K-6501</b>
0.406mm / .0160 in.	<b>K-6502</b>
0.457mm / .0180 in.	<b>K-6503</b>
0.508mm / .0200 in.	<b>K-6504</b>
0.559mm / .0220 in.	<b>K-6505</b>
0.635mm / .0250 in.	<b>45-2108-1</b>

## WIRE STOPS

- Provides uniform stripping length



Description	Cat. No.
9.5mm to 63.5 mm / 3/8 in. to 2-1/2 in.	<b>LB-825</b>
63.5mm to 127mm / 2-1/2 in. to 5 in.	<b>LB-840</b>

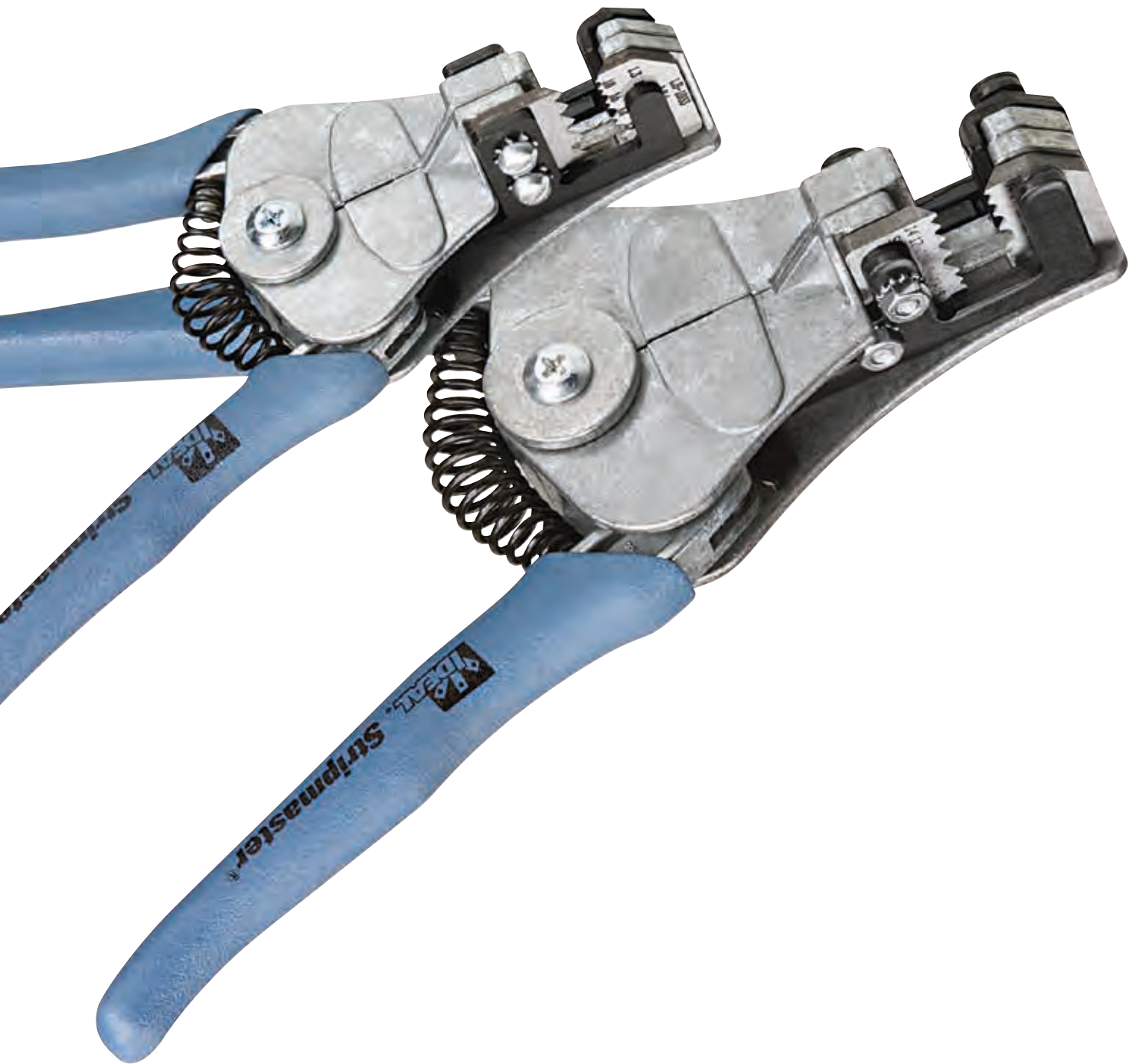
## IDEAL GRIPPER® SLUG REMOVER



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



# STRIPMASTER® & STRIPMASTER® LITE WIRE STRIPPERS



STRIPMASTER®

# STRIPMASTER® WIRE STRIPPERS

The versatile Stripmaster® are the standard of the industry.

They incorporate a gripper that firmly holds the wire in a centre line position with the stripping hole.

The lever action of the stripper offers a mechanical advantage that makes stripping easier.

This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 22 mm / 7/8 in.

The jaws are automatically held open to allow removal of the wire without damaging its end.

This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.

- One step stripping enhances productivity
- Precision ground, knife type blades provide clean, accurate stripping
- Sturdy die cast zinc frame provides long term durability



**CHECK OUT THE  
"MAINTENANCE KIT"  
ON PAGE 29**

**CHECK OUT CALIBRATION  
PROCEDURES ON PAGE 27**



# STRIPMASTER® WIRE STRIPPERS

## Stripmaster® Wire Strippers and Knife Type Blades

Specifications – Stripping Holes offered													Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/ Blades Cat. No.
Wire Size AWG															
6	8	10	12	14	16	18	20	22	24	26	28	30			
	♦	♦	♦										L-4419	L-5620	45-090
		♦	♦	♦	♦	♦							L-4420	L-5620	45-091
			♦	♦	♦	♦	♦	♦					L-4421	L-5620	45-092 or 45-292-341*
				♦	♦	♦	♦	♦					L-4422	L-5620	45-093
♦	♦												L-4453	-	45-096
					♦	♦	♦	♦	♦	♦			L-4994	L-5620	45-097
							♦	♦	♦	♦	♦		L-5361	L-5620	45-098
	♦	♦			♦	♦							L-8763	L-5620	45-099

\*Blister Card

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

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

Specifications – Stripping Holes offered														Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blades Cat. No.
Wire Size mm <sup>2</sup>																
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5	2.5	4	6	8	10			
												♦	♦	L-4419M	LA-2358	45-090-341
						♦	♦	♦	♦	♦	♦			L-4421M	LA-2358	45-092-341 or 45-292-341*
♦	♦	♦	♦	♦	♦									L-5361M	LA-2358	45-098-341

\*Blister Card

## OPTIONAL ACCESSORIES

- Wire Stop provides uniform stripping length, range from 2.4 to 19 mm - 3/32" to 3/4"
- Short stop latches protect wire strands by limiting stripping stroke to 4mm - 5/32 in. and retain slug until wire is ready for terminating.



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

## REPLACEMENT PARTS

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

Description	Dimensions mm	Weight in grams
Tool	170 x 125 x 37	380
Packaging	193 x 75 x 38	413

# STRIPMASTER® LITE WIRE STRIPPERS

The versatile Stripmaster® Wire Strippers are the standard of the industry.

They incorporate a gripper that firmly holds the wire in a centre line position with the stripping hole.

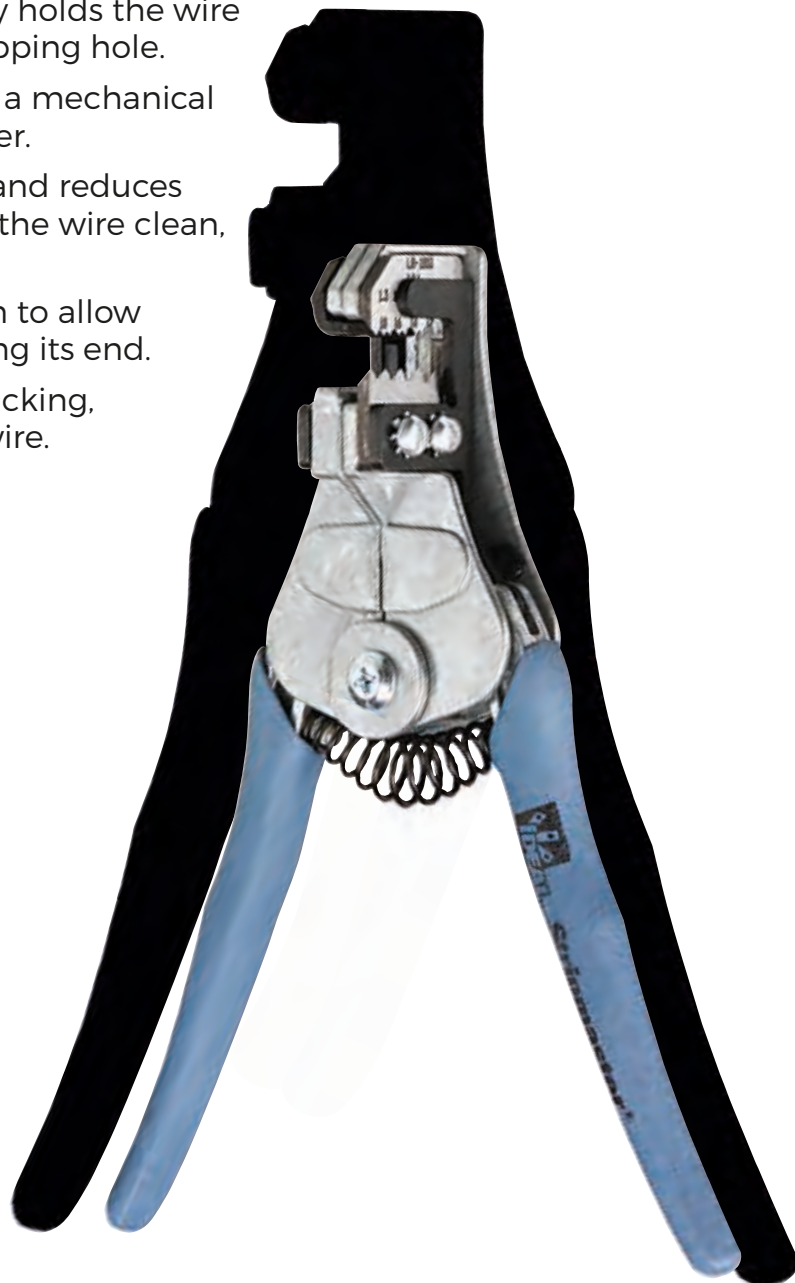
The lever action of the stripper offers a mechanical advantage that makes stripping easier.

This aids in production applications and reduces operator fatigue. One squeeze strips the wire clean, up to a full 22 mm / 7/8 in.

The jaws are automatically held open to allow removal of the wire without damaging its end.

This stripper virtually eliminates all nicking, cutting or fraying on non-precision wire.

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



**CHECK OUT THE  
"MAINTENANCE KIT"  
ON PAGE 29**

**CHECK OUT CALIBRATION  
PROCEDURES ON PAGE 27**

# STRIPMASTER® LITE WIRE STRIPPERS

## Stripmaster® Lite Wire Strippers and Knife Type Blades

Specifications – Stripping Holes offered										Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blades Cat. No.
Wire Size AWC												
12	14	16	18	20	22	24	26	28	30			
		◆	◆	◆	◆					LB-1001	LB-1421	45-671
						◆	◆	◆	◆	LB-1002		45-672
◆	◆	◆	◆	All stranded wire						LB-1003		45-673
◆	◆	◆	◆	12 & 14 Solid Wire, 16 & 18 Stranded Wire						LB-1004		45-674

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

Specifications – Stripping Hole Diameter (mm)									Replacement Blades (Pair) Cat. No.	Replacement Frame Cat. No.	Tool w/Blade Cat. No.
Wire Size mm <sup>2</sup>											
0.05	0.1	0.15	0.22	0.34	0.5	0.75	1	1.5			
				◆	◆	◆	◆	◆	LB-1001M	H-2909	45-671-341
◆	◆	◆	◆						LB-1002M		45-672-341

## OPTIONAL ACCESSORIES

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



Description	Cat. No.
Transparent Adjustable Wire Stop (for Stripmaster® Lite Wire Strippers)	LB-1195
Short Stop Latch for Custom Stripmaster® Lite Wire Strippers	LB-1194

## REPLACEMENT PARTS

Description	Cat. No.
Replacement Frame for Stripmaster® Lite Wire Strippers	LB-1421

Description	Dimensions mm	Weight in grams
Tool	140 x 103 x 31	173
Packaging	193 x 75 x 38	203



# WIRE CUTTERS & OTHER TOOLS



WIRE CUTTERS

# V-NOTCH WIRE CUTTER

- V-Notch area reduces force required to cut.
- Light weight compact design
- High visibility handles for avoiding F.O.D
- Cushioned grip

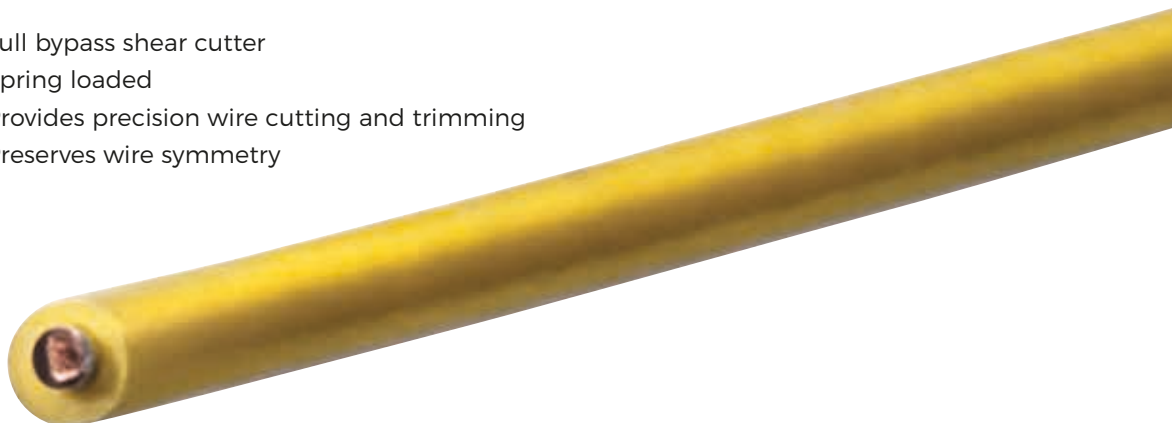


Description	Cat. No.
V-Notch Cutter	45-353



WIRE CUTTERS

- Full bypass shear cutter
- Spring loaded
- Provides precision wire cutting and trimming
- Preserves wire symmetry



# T<sup>®</sup>-CUTTER LITE WIRE CUTTER

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



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

# T<sup>®</sup>-CUTTER WIRE CUTTER

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



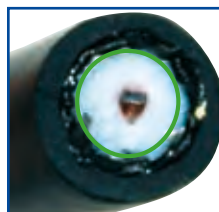
Description	Cat. No.
T <sup>®</sup> -Cutter Wire Cutter	45-123

# DATA T<sup>®</sup>-CUTTER

- The curved blades minimise cable deformation, which helps keep the cable impedance ( $\Omega$ ) consistent during connector to cable termination, and allows cable stripping tools to work more efficiently and accurately
- Cuts multi-pair cable up to 12.7 mm / 0.500 in. and coaxial cable up to RG-9/U
- Blade cutting capabilities suitable for soft cable (not ACSR)
- Steel reinforced centre conductors can be trimmed with bolt cutting holes
- Spring loaded handles require less effort for repeated cutting
- Locking latch keeps tool closed in pouch to protect blade edges



Good round dielectric



Bad oval dielectric



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

WIRE CUTTERS

# MINILITE-STRIP™ OPTICAL FIBRE STRIPPER

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



Description	Cat. No.
MiniLite-Strip™ Optical Fibre Stripper	45-352

# REFLEX™ PREMIUM T®-STRIPPER WIRE STRIPPERS

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



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

# T®-STRIPPER WIRE STRIPPERS

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

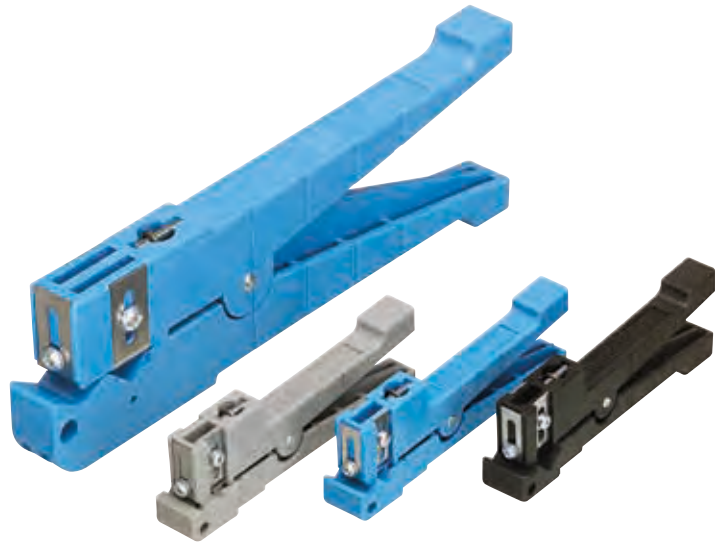


Description	Solid	Stranded	Cat. No.
T®-Stripper Wire Stripper – Metric	0.75-6.0mm <sup>2</sup>		45-120-341
T®-Stripper Wire Stripper – Metric	0.5-4.0mm <sup>2</sup>		45-125-341



# ADJUSTABLE BLADE STRIPPERS

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



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

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

# IDEAL GRIPPER™ SLUG REMOVER



Description	Cat. No.
Slug Remover	45-333





# FREE APPLICATION ENGINEERING SERVICE

IDEAL Industries are offering a free wire analysis of the cable or wire required for your application. This service is free of charge and does not oblige you to purchase any of the tools suggested.

**'A common misconception is that two wires with the same gauge will have identical measurements'.**

Wire conductor diameters can differ just as insulation thicknesses vary. Both factors are important when selecting the proper blades, wire stripper and stripping method of specific applications.

**To take advantage of our free wire analysis, we would need the following information:**

- **1.5 meters of the cable / wire that will need stripping**
- **Preferred method (by hand or by machine)**

For details required, please download the form from the Resource section on our website ([www.idealind.com](http://www.idealind.com)) under Catalogues and Aerospace called:

## **Free Application Engineering Service**

Email [aerotech@idealindustries.com](mailto:aerotech@idealindustries.com) for a reference number and send the form with 1.5 m wire or cable to:

**IDEAL INDUSTRIES EMEA  
FAO: Technical Department  
Unit 3, Europa Court, Europa Boulevard  
Westbrook, Warrington, WA5 7TN, Cheshire  
United Kingdom**





**IDEAL INDUSTRIES EMEA**

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**IDEAL INDUSTRIES, INC.**