

AMP/Tyco Tooling

AMP/Tyco Table of Contents

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Please note that in addition to their own equipment AMP Incorporated/Tyco Electronics also sells private label equipment from Komax, Megomat and Schleuniger. For information on replacement tooling for these machines please see the respective OEM sections of this catalog.

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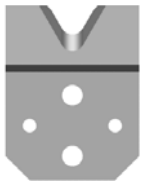
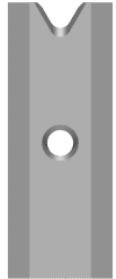
AMP/Tyco Tooling

AMP Ampomator Machines

Used In These
Machines

AMP
Ampomator

Mechtrix manufactures a complete selection of cut-off and stripping blades for the AMP Ampomator Machines with either the No. 453406 or No. 681107 Shear Housing. Mechtrix Ampomator Cut-off and Stripping Blades are made to precision standards from a specially selected tool steel to insure optimum performance and blade life and are produced using state-of-the-art manufacturing techniques. Mechtrix Ampomator Stripping Blades have the Mechtrix patented feature of a cutting form which includes a perfectly formed cutting radius. The perfectly formed cutting radius insures optimum cutting of the insulation while the entry angle improves the blade's "gathering" characteristics, thus eliminating the need for wire guides. Please contact Mechtrix for assistance in selecting the appropriate size blade for your particular application.



Ampomator Stripping and Cut-off Blades (Old Shear Housing)

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---------------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| 5054 Stripping Blade-Upper (26-22ga.) | 05054 | 0.03125 | 0.79 | 238378-2 |
| 5072 Stripping Blade-Lower (26-22ga.) | 05072 | | | 238379-1 |
| 0168 Stripping Blade-Upper (16-20ga.) | 00168 | 0.06250 | 1.59 | 238378-4 |
| 0169 Stripping Blade-Lower (16-20ga.) | 00169 | | | 238379-2 |
| 0167 Stripping Blade-Upper (12-14ga.) | 00167 | 0.09375 | 2.38 | 238378-6 |
| 0170 Stripping Blade-Lower (12-14ga.) | 00170 | | | 238379-3 |
| 5074 Stripping Blade-Upper (10ga.) | 05074 | 0.12500 | 3.18 | 238378-8 |
| 5075 Stripping Blade-Lower (10ga.) | 05075 | | | 238379-4 |
| 0166 Cut-off Blade | 00166 | - | - | 474617-E |
| 0165 Cut-off Blade | 00165 | - | - | 474619-N |

Ampomator Stripping and Cut-off Blades (New Shear Housing)

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|--------------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| A20-1457 Stripping Blade (24-26ga.) | 01457 | 0.02000 | 0.51 | 467651-1 |
| A32-0421 Stripping Blade (20-22ga.) | 00421 | 0.03125 | 0.79 | 467651-2 |
| A16-0152 Stripping Blade (16-18ga.) | 00152 | 0.06250 | 1.59 | 467651-3 |
| A332-0153 Stripping Blade (12-14ga.) | 00153 | 0.09375 | 2.38 | 467651-4 |
| A8-1102 Stripping Blade (10ga.) | 01102 | 0.12500 | 3.18 | 467651-8 |
| ACL-0155 Cut-off Blade | 00155 | - | - | 467647-1 |
| ACL-0154 Cut-off Blade | 00154 | - | - | 467647-2-A |

Mechtrix "Ampomator" Stripping Blades are covered by U.S. Pat. 4,630,406



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AMP/Tyco Tooling

AMP CLS-II, CLS-III, CLS-IV and CLS-IV+ Stripping Blades

Used In These
Machines

AMP
CLS-II
CLS-III
CLS-IV
CLS-IV+
ADUZI



Mechtrix manufactures a complete selection of cut-off and stripping blades for all of the AMP CLS Series Macines. Mechtrix AMP "CLS" Cut-off and Stripping Blades are made to precision standards from a specially selected tool steel to insure optimum performance and blade life and are produced using state-of-the-art manufacturing techniques. Mechtrix AMP "CLS" Stripping Blades have the Mechtrix patented feature of a cutting form which includes a perfectly formed cutting radius. The perfectly formed cutting radius insures optimum cutting of the insulation while the entry angle improves the blade's "gathering" characteristics, thus eliminating the need for wire guides. Please contact Mechtrix for assistance in selecting the appropriate size blade for your particular application.

AMP CLS-II Stripping Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| V-096S Stripping Blade-Short (12-14ga.) | 14220 | 0.09600 | 2.44 | 812285-2 |
| V-096L Stripping Blade-Long (12-14ga.) | 14221 | | | 812285-1 |
| V-062S Stripping Blade-Short (16-18ga.) | 14222 | 0.06200 | 1.57 | 812285-4 |
| V-062L Stripping Blade-Long (16-18ga.) | 14223 | | | 812285-3 |
| V-034S Stripping Blade-Short (20-22ga.) | 14218 | 0.03400 | 0.86 | 812285-6 |
| V-034L Stripping Blade-Long (20-22ga.) | 14219 | | | 812285-5 |
| M-028 Stripping Blade-Short (24ga.) | 01066 | 0.02800 | 0.71 | 812285-8 |
| M-028L Stripping Blade-Long (24ga.) | 01065 | | | 812285-7 |
| M-024 Stripping Blade-Short (26ga.) | 00269 | 0.02400 | 0.61 | 812285-8 |
| M-024L Stripping Blade-Long (26ga.) | 00268 | | | 812285-7 |

AMP CLS-II Cut-off Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| MCL Cut-off Blade (22-30ga.) | 01393 | - | - | - |
| CL Cut-off Blade (12-20ga.) | 00022 | - | - | 812284-1 |
| CLA Cut-off Blade (10-12ga.) | 00024 | - | - | 812284-2 |

AMP CLS-III Stripping Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| V-096S Stripping Blade-Short (12-14ga.) | 14220 | 0.09600 | 2.44 | 853510-2 |
| V-096L Stripping Blade-Long (12-14ga.) | 14221 | | | 853510-1 |
| V-062S Stripping Blade-Short (16-18ga.) | 14222 | 0.06200 | 1.57 | 853510-4 |
| V-062L Stripping Blade-Long (16-18ga.) | 14223 | | | 853510-3 |
| V-034S Stripping Blade-Short (20-22ga.) | 14218 | 0.03400 | 0.86 | 853510-6 |
| V-034L Stripping Blade-Long (20-22ga.) | 14219 | | | 853510-5 |
| M-028 Stripping Blade-Short (24ga.) | 01066 | 0.02800 | 0.71 | 853510-8 |
| M-028L Stripping Blade-Long (24ga.) | 01065 | | | 853510-7 |
| M-024 Stripping Blade-Short (26ga.) | 00269 | 0.02400 | 0.61 | 853510-8 |
| M-024L Stripping Blade-Long (26ga.) | 00268 | | | 853510-7 |

AMP CLS-III Cut-off Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| MCL Cut-off Blade (22-30ga.) | 01393 | - | - | - |
| CL Cut-off Blade (12-20ga.) | 00022 | - | - | 854035-1 |
| CLA Cut-off Blade (10-12ga.) | 00024 | - | - | 854035-2 |

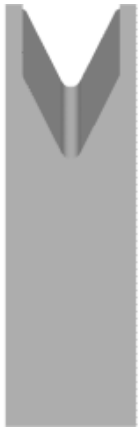


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AMP/Tyco Tooling

Used In These
Machines

AMP
CLS-II
CLS-III
CLS-IV
CLS-IV+
ADUZI



AMP CLS-IV Stripping Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| V-112S Stripping Blade-Short (10ga.) | 12725 | 0.11200 | 2.84 | 1-844765-13 |
| V-112L Stripping Blade-Long (10ga.) | 12724 | | | 1-844765-14 |
| V-096S Stripping Blade-Short (12ga.) | 14220 | 0.09600 | 2.44 | 1-844765-1 |
| V-096L Stripping Blade-Long (12ga.) | 14221 | | | 1-844765-2 |
| V-076S Stripping Blade-Short (14ga.) | 12761 | 0.07600 | 1.93 | 844765-9 |
| V-076L Stripping Blade-Long (14ga.) | 12760 | | | 1-844765-0 |
| V-062S Stripping Blade-Short (16ga.) | 14222 | 0.06200 | 1.57 | 844765-7 |
| V-062L Stripping Blade-Long (16ga.) | 14223 | | | 844765-8 |
| V-052S Stripping Blade-Short (18ga.) | 12759 | 0.05200 | 1.32 | 844765-5 |
| V-052L Stripping Blade-Long (18ga.) | 12758 | | | 844765-6 |
| V-042S Stripping Blade-Short (20ga.) | 12757 | 0.04200 | 1.07 | 844765-3 |
| V-042L Stripping Blade-Long (20ga.) | 12756 | | | 844765-4 |
| V-034S Stripping Blade-Short (22-24ga.) | 14218 | 0.03400 | 0.86 | 844765-1 |
| V-034L Stripping Blade-Long (22-24ga.) | 14219 | | | 844765-2 |
| V-022S Stripping Blade-Short (26ga.) | 12755 | 0.02200 | 0.56 | 1-844765-9 |
| V-022L Stripping Blade-Long (26ga.) | 12754 | | | 2-844765-0 |

AMP CLS-IV Cut-off Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| MCL Cut-off Blade (22-30ga.) | 01393 | - | - | - |
| CL Cut-off Blade (12-20ga.) | 00022 | - | - | 844764-1 |
| CLA Cut-off Blade (10-12ga.) | 00024 | - | - | 844764-2 |

AMP CLS-IV+ Stripping Blades (also used in the ADUZI)

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|--------------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| U90S Universal Stripping Blade-Short | 18110 | - | - | 356553-1 |
| U90L Universal Stripping Blade-Long | 18109 | - | - | 356553-2 |

AMP CLS-IV+ Cut-off Blades (also used in the ADUZI)

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| Universal Cut-Off Blade CLS-IV+ | 18108 | - | - | 844764-5 |

A set of blades for the AMP CLS Machine consists of two (2) Strip Blades-Short, two (2) Strip Blades-Long and two (2) Cut-off Blades.

AMP CLS-II, CLS-III, CLS-IV, CLS-IV+ and ADUZI Toolholders

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|-----------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| Mechtrix AMP CLS Toolholder | 01139-500 | - | - | 568964-1-C |

Mechtrix AMP "CLS" Series Stripping Blades are protected by U.S. Patent 4,630,406 and U.S. Patent 4,577,405



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AMP/Tyco Tooling

AMP CLS-II, CLS-III, CLS-IV and CLS-IV+ Special Stripping Blades

Used In These Machines

AMP
CLS-II
CLS-III
CLS-IV
CLS-IV+
ADUZI



In addition to the standard replacement stripping blades for the AMP CLS Series, Mechtrix also offers both our patented M-Series and ID-Series stripping form geometries for processing difficult insulations or wire types. A brief description of each of the two types of blades is listed below, for more complete information on these types of blades please refer to the Artos section of this catalog. Please contact Mechtrix for assistance in selecting the appropriate style and size blade for your particular application.

M- Series Stripping Blades

Mechtrix M-Series Stripping Blades are designated "M" as they incorporate a MECHTRIX patented blade design which offers a compound entry angle into the cutting portion of the blade. This design feature, while continuing to offer the advantages of a "V" type design (excellent wire gathering and adjustability) facilitates a higher degree of circumferential cut around a wire's conductor.

M-Series Blades are available in a wide range of closely incremented radii sizes and offer improved performance when processing wire which require a cutting configuration which closely matches the wire's conductor diameter. This feature is of greatest benefit when processing insulations which are either very soft (i.e., Neoprene or Silicon), very hard and thin (i.e., Teflon, etc.), or just very thin.

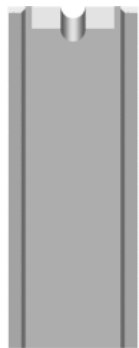
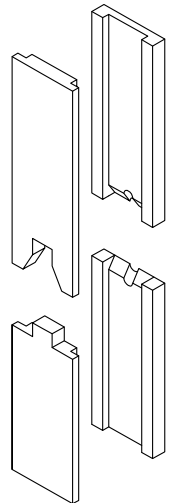
Mechtrix M-Series Stripping Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|--|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| M-Series Blades are available in 0.004" and 0.008" increments in the following sizes: M-016 thru M-158 Long and Short | - | - | - | - |

ID-Series Stripping Blades

Mechtrix ID-Series Stripping Blades are a patented die-type or butting style stripping blade design. The "ID" designates that the blades are Interlocking Die-Type Stripping Blades which incorporate a unique modular concept for mixing and matching stripping blades, guides and supports for virtually any combination of wire conductor and insulation diameters.

ID-Series Blades are also available in a wide range of closely incremented radii sizes and are the only style of blades that form a perfectly round stripping form that is mechanically defined by the blades actually stopping against one another. The guide and support components also mechanically control not only the gathering and centering of the wire into the stripping blades but also the maximum depth that each blade can cut into the insulation during stripping. These blades are very well suited to applications such as cross-link or other exotic insulations that require extra control of the depth of cut.



Mechtrix ID-Series Stripping Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|---|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| ID-Series Blades are available in 0.1mm increments in the following sizes: ID-0.4 thru ID-9.0 Long and Short | - | - | - | - |

Mechtrix "M" and "ID" Series Stripping Blades are protected by U.S. Patent 5,025,687 and U.S. Patent 4,577,405



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AMP/Tyco Tooling

AMP Stripper/Crimper Machines

Used In These
Machines

AMP
Stripper/Crimper

Mechtrix manufactures a complete selection stripping blades for the AMP Stripper/Crimper Machines. Mechtrix AMP Stripper/Crimper Blades are made to precision standards from a specially selected tool steel to insure optimum performance and blade life and are produced using state-of-the-art manufacturing techniques. Mechtrix AMP Stripper/Crimper Blades have the Mechtrix patented feature of a cutting form which includes a perfectly formed cutting radius. The perfectly formed cutting radius insures optimum cutting of the insulation while the entry angle improves the blade's "gathering" characteristics, thus eliminating the need for wire guides. Please contact Mechtrix for assistance in selecting the appropriate size blade for your particular application.



AMP Stripper/Crimper Blades

| Mechtrix Description | Mechtrix Part Number | Blade Form Diameter | | OEM Part Number |
|----------------------------------|----------------------|---------------------|------|-----------------|
| | | (in) | (mm) | |
| 12ga. AMP Stripper/Crimper Blade | 11489 | 0.10800 | 2.74 | 463310-1 |
| 14ga. AMP Stripper/Crimper Blade | 11490 | 0.09000 | 2.29 | 463310-2 |
| 16ga. AMP Stripper/Crimper Blade | 10337 | 0.07400 | 1.88 | 463310-3 |
| 18ga. AMP Stripper/Crimper Blade | 10338 | 0.06000 | 1.52 | 463310-4 |
| 20ga. AMP Stripper/Crimper Blade | 10336 | 0.04600 | 1.17 | 463310-5 |
| 22ga. AMP Stripper/Crimper Blade | 10339 | 0.04000 | 1.02 | 463310-6 |
| 24ga. AMP Stripper/Crimper Blade | 10340 | 0.03200 | 0.81 | 463310-7 |
| 26ga. AMP Stripper/Crimper Blade | 11491 | 0.02600 | 0.66 | 463310-8 |
| 28ga. AMP Stripper/Crimper Blade | 11492 | 0.02200 | 0.56 | 463310-9 |

A set of blades for the AMP Stripper/Crimper Machine consists of two (2) Strip Blades.

Mechtrix "AMP Stripper/Crimper" Stripping Blades are covered by U.S. Pat. 4,630,406



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