APPLICATORS
PREMIUM QUALITY MANUFACTURING
OF CRIMP CONNECTIONS
PREMIUM QUALITY MANUFACTURING OF CRIMP CONNECTIONS

Selecting the Applicator for Your Requirements

<table>
<thead>
<tr>
<th>Platform</th>
<th>Product Features</th>
</tr>
</thead>
</table>
| **OCEAN Applicator Series for Strip Form Terminals** | • Applicable for 90% of standard terminals  
• Wire range: 0.13 – 10.0 mm²  
• Available with retrofittable feed mechanism for mechanic feed, pneumatic feed or servo feed  
• New technologies:  
  Aluminum  
  Small wire application |
| **HD-M Applicator for Strip Form Terminals** | • Applicable for non standard terminals  
• Wire range: 0.20 – 10.0 mm²  
• Fit TE terminator-style presses  
• Fine adjustment pneumatic feed available  
• Press stroke: 40.0 and 30.0 mm  
  (cam change, as OCEAN applicator)  
• Shut height: 135.8 mm  
• Applicator feed:  
  Side feed terminal 26.5 mm (1.043 in)  
  End feed terminal up to 34.5 mm (1.358 in) |
| **Mini Applicator for Strip Form Terminals** | • Wire range: 0.14 – 10.0 mm²  
• Fine adjustment  
• Press stroke: 40.0 mm  
• Shut height: 135.8 mm  
• Applicator feed:  
  Side/end feed terminal up to 45.0 mm  
• Applicator drive: pneumatically  
• Compatible with Crimpmatic 970 with base plate for conventional TE applicators or similar crimp machine |
| **Mid Wire Size Applicator for Strip Form Terminals** | • Wire range: > 10.0 – 25.0 mm²  
• Can fit on presses that accept traditional applicators  
• Robust casting frames  
• Accurate pneumatic feeding  
• Used on Crimpmatic bench presses for 5 and 15 tons  
• Fine adjustment  
• Press stroke: 40.0 mm  
• Shut height: 135.78 mm  
• Applicator feed:  
  Side/end feed terminal up to 55.0 mm  
• Applicator drive: pneumatically  
• Compatible with Crimpmatic 971 or similar crimp machine |
Selecting the Applicator for Your Requirements

**Platform**

**Large Wire Size Applicator for Strip Form Terminals**

*Product Features*

- Wire range: 25.0 – 50.0 mm²
- Fine adjustment
- Press stroke: 40.0 mm
- Shut height: 135.78 mm
- Applicator feed: Side/end feed terminal up to 55.0 mm
- Applicator drive: pneumatically
- Compatible with Crimpmatic 971 or similar crimp machine

**Applicators for Standard Loose Piece Terminals**

- Wire range:
  - Mini applicator: 0.35 – 10.0 mm²
  - Mid wire size applicator: 10.0 – 25.0 mm²
  - Large wire size applicator: 25.0 – 50.0 mm²
- Standard applicator for wire ranges up to 10.0 mm²
- Used on traditional TE bench presses
- Fine adjustment
- Press stroke: 40.0 mm
- Shut height: 135.8 mm
- Movable table with dedicated terminal seat (according to terminal geometry) to load and unload terminals
- Custom designs available for nearly any terminal
- Applicator for wire ranges up to 50.0 mm²
- Compatible with Crimpmatic 971 or similar crimp machine
- Press stroke: 44.0 mm
- Shut height: 158.0 mm
- Applicator feed: terminal loading manually

**Mid Wire Size Splice Applicator for Strip Form Splice Terminals**

- Wire Range: 0.5 – 25 mm²
- Fine adjustment
- Press stroke: 40.0 mm
- Shut height: 135.78 mm
- Applicator feed: Side feed splice terminals up to 45.0 mm
- Applicator drive: pneumatically
- Compatible with conventional Bench Presses up to 6.0 mm² (with appropriate press guard*) and Crimpmatic 970 press with base plate for conventional applicators – plus appropriate safety guard*

* TE presses are supplied with standard safety guards; customer is responsible for appropriate changes and adjustments according to necessities.

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* TE APPLICATION TOOLING /// APPLICATORS

PAGE 3
PREMIUM QUALITY MANUFACTURING OF CRIMP CONNECTIONS

Choosing an Applicator

OCEAN Applicator Series
With the knowledge and experience of over a half century designing and manufacturing applicators and tooling, TE Connectivity is taking terminal crimping to a new level. Using the time proven HDM applicator platforms as a base and the innovation and improvements from the system III applicator, TE is taking a large step forward. TE has listened to customer input and market demands to innovate and improve the combined strength of these industry leading designs to create the latest OCEAN applicator.

The lead and harness industry of today is more price and quality competitive than ever before. Crimping standards continue to be raised to higher levels of quality and repeatability. The industry continues to expect more from application tooling.

One Applicator Platform – Modular Family Design
• 3 feed options – Mechanical – Pneumatic – Servo
• Same feed units can be used on Side-Feed and End-Feed style applicators.
  All units can be easily removed and interchanged for upgrades if desired
• 2 ram interface styles (“Atlantic” or “Pacific” style)
• Same wire crimper, insulation crimper, and anvil used on both applicator styles

Atlantic-Style

Mechanical Feed

Pneumatic Feed

Servo Feed

Pacific-Style

Mechanical Feed

Pneumatic Feed

Servo Feed

The new OCEAN applicator series was designed specifically to exceed the requirements of today and meet the demands of tomorrow.

By consolidating our applicator offering to this latest OCEAN applicator, TE can provide design consistency and tooling standardization to the market. One of the major benefits to the customer is offering the ultimate flexibility with a choice of feeding options; new and improved mechanical and pneumatic feeds combined with the innovative and precise servo feed option. The OCEAN applicator series design makes it possible for customers to perform field upgrades to system III technology. It will provide an upgrade path for terminal intelligence that allows the machine to obtain set-up features as the applicator is upgraded.
Choosing an Applicator

Standard Features on all OCEAN Applicators
One of the major design goals of the OCEAN applicator series was increased flexibility. By giving the applicator the ability to flex between different terminator configurations it allows customers to quickly adapt their applicators to whatever configuration is needed. All parts to reconfigure the applicator are included and attachable to the unit for safe storage and quick access.

As standard equipment the latest applicator will have all the accessories needed to switch between 30 and 40 mm stroke terminators, pre-feed and post-feed cam configurations and cut and no-cut carrier options. The wire stop / wire stripper can also be easily adjusted for the desired applications, and a mechanical counter is included for tracking cycle counts. The applicator comes with all parts needed to configure it to any terminating method that is acceptable to the application.

• Pre-feed and post-feed cams
• Cut and no-cut carrier options
• Adjustable terminal stripper
• Adjustable spring-loaded terminal hold down
• Mechanical counter
• Fine adjust crimp height mechanisms

OCEAN Applicator Part Number System
Because so many features have been added to the applicator the part numbering system used to identify the applicators can be simplified significantly. Now, when ordering an applicator the customer will only need to identify what style and feed type they require.

<table>
<thead>
<tr>
<th>OCEAN Applicator Style</th>
<th>Feed Type</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlantic Style</td>
<td>Mechanical</td>
<td>Fine Crimp Height Adjust</td>
<td>2151950-1***</td>
</tr>
<tr>
<td></td>
<td>Pneumatic</td>
<td>Fine Crimp Height Adjust</td>
<td>2151950-2***</td>
</tr>
<tr>
<td></td>
<td>Servo Latch Plate**</td>
<td>Fine Crimp Height Adjust</td>
<td>2151950-5***</td>
</tr>
<tr>
<td></td>
<td>Servo Latch Plate**</td>
<td>Fine Crimp Height Adjust*</td>
<td>2151950-6***</td>
</tr>
<tr>
<td></td>
<td>None</td>
<td>Fine Crimp Height Adjust</td>
<td>2151950-7***</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Crimp Tooling Kit</td>
<td>7-2151950-7</td>
</tr>
</tbody>
</table>

| Pacific Style          | Mechanical| Fine Crimp Height Adjust | 2-2151950-1 |
|                       | Pneumatic | Fine Crimp Height Adjust | 2-2151950-2 |
|                       | Servo Latch Plate** | Fine Crimp Height Adjust | 2-2151950-5 |
|                       | None      | Fine Crimp Height Adjust | 2-2151950-7 |
|                       |           | Crimp Tooling Kit | 7-2151954-7 |

* Non-crimp height adjust applicator is designed to run in a terminator with system Iii crimp height adjust technology.
** Servo is designed to run a terminator with precision controller.
*** Part number example.

Spare Part Kits have been designed to be used on all styles of OCEAN applicators with pneumatic feed.
OCEAN Applicator Facts and Features

Three Terminal Feed Options

**Mechanical Feed**
The cam/follower design produces repeatable feed in the industry. Independent forward/backward adjustment.

**Standard Features**
- Significantly improved repeatability
- Same feed module for side feed and end feed
- Single tool adjustments
- Infinite micro feed adjustment increments 1 revolution = 0.7 mm

**Advantages**
- Precise and repeatable terminal position over the anvil
- Independent forward and back stroke adjustment
- 50 % faster adjustments compared to HDI/HDM

**Pneumatic Feed**
Independent forward/backward adjustments, independent flow controls, repeatable feed.

**Standard Features**
- Single tool or tool-less adjustments
- Same feed module for side feed and end feed
- Independent forward & back adjustments
- Micro feed adjusted incrementally with steps 0.04 mm forward terminal position
- Maximum feed length: 48.25 mm

**Advantages**
- Independent forward and back stroke adjustment
- Adjustable speed actuation
- Self actuating
- Single or tool-less adjustment
- Single piece piston and rod assembly
- Internal exhaust valves

**Servo Feed**
Machine reads iButton data to adjust stroke and placement positions automatically. Motorized feed allows operator to push a button for precision adjustments.

**Standard Features**
- Can be used with AMPOMATOR system III, smart leadmaker or a precision controller unit
- Motorized feeding action allows for electronic control, adjustment and easy maintenance
- Slow, controlled & accurate terminal placement repeatability
- Product can be moving into position while the terminator is not moving
- Reduces feeding variation caused by different terminal size and weight
- Includes 2 feed fingers that are compatible with 95 % of TE terminals

**Advantages**
- Good choice for precise, repeatable feeding results
- Data module stores the personality of the applicator, its identity, and the terminals it can crimp along with crimping parameters
- Push button feed adjustment

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iButton is a trademark of Maxim Integrated Products.
OCEAN Applicator Facts and Features

- Fine adjust wire crimp height with range of 1.5 mm in increments of 0.01 mm
- Chrome plated ram for improved lubricity, corrosion resistance, and wear
- 60% improvement in ram/housing fit minimizes “system noise” for improved crimp quality monitoring
- Large insulation crimp height adjustment range
- Integrated data chip stores set-up and maintenance information
- Adjustable strip guide for precise placement
- Crimp Features
  - bell-mouth
  - cut-off
  - bend up / doon
- Precision machined strip guide customized for each terminal application
- Spring loaded terminal drag designed for easy loading/unloading

DID YOU KNOW...

- Most lead makers are only producing leads 60% of the time
- Applicators are a decisive criterion for machine efficiency
- Terminal feeding issues are the most common adjustment
- OCEAN applicators provide
  - 60% improved ram/housing alignment
  - 50% faster set-up and adjustment times
  - 30% customer reported tooling life increase

Easy, predictable and precise adjustments

Spare Tooling: Chrome plating, specialized materials, precision tolerances, and mirrored surface finishes yield up to a 30% customer reported increase in tooling life
Smart Applicator in any OCEAN Applicator Feed Style

The smart applicator offers the ability to exchange OCEAN applicator information with a lead maker. An integrated data chip stores and relays set-up and maintenance information. The smart applicator data can be viewed and utilized on a lead making machine. This full integration provides the ability to verify the following information related to the terminal:

- Easy and safe programming
- Verification of lead maker settings with smart applicator data
- No manual typing of terminal name is needed for software set-up
- Errors through manual data input are minimized
- Reduction of applicator set-up times
- Self adjustment
- Better crimp quality, especially in difficult and small terminal applications
- Increase in productivity

Applicator Maintenance

- The integrated cycle counter offers the possibility to set maintenance intervals to maintain the applicator or to exchange wearable parts
- All OCEAN applicator wearable tooling PNs are stored in the data chip and visible on the lead maker screen if needed

Data Management Software (DMS)

The software is used on a personal computer to read and analyze the smart applicator data either offline or away from the lead making machine.
### Smart Applicator in any OCEAN Applicator Feed Style

<table>
<thead>
<tr>
<th>No data transfer</th>
<th>Mechanical Pneumatic Servo</th>
<th>Counters</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCEAN applicator</td>
<td>OCEAN applicator</td>
<td>—</td>
</tr>
<tr>
<td>Data Management Software (DMS)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>0001477</td>
<td>0001477</td>
<td></td>
</tr>
<tr>
<td>0001214</td>
<td>0001214</td>
<td></td>
</tr>
<tr>
<td>Precision controller (limited integration)</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>0001477</td>
<td>0001477</td>
<td></td>
</tr>
<tr>
<td>0001214</td>
<td>0001214</td>
<td></td>
</tr>
<tr>
<td>Applicator direct integration</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Smart Machine Integration</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>0001477</td>
<td>0001214</td>
<td></td>
</tr>
<tr>
<td>0001477</td>
<td>0001477</td>
<td></td>
</tr>
<tr>
<td>0001214</td>
<td>0001214</td>
<td></td>
</tr>
<tr>
<td>View applicator data</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Verify applicator data with production**</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Smart memory needed</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Mechanical counter on applicator</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Electronic count and maintenance data</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Count incremented</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td><strong>This feature provides the ability to verify the correct match of the desired production requirement for: terminal part number, crimp height, and wire cross section.</strong>*</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>*<strong>This feature also provides the ability to increment tooling wear counters and set maintenance targets.</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Required Part Numbers (see corresponding numbers in above chart)**

| Required Part Numbers (see corresponding numbers in above chart) |
|-------------------|------------------------------------------------------------------|
| 1                 | 216326-1 1976700-x                                               |
| 2                 | 216326-1 1976600-x                                               |
| 3                 | 216326-1 2161651-1 2161655-1                                     |
| 4                 | 216326-1 2161651-1 2161650-1                                     |
| 5                 | 1976700-1                                                      |
| 6                 | 1976800-1                                                    |
| 7                 | 2161651-1 2161650-1                                             |

**Smart Applicator/OCEAN applicator upgrade kit DMS kit for OCEAN mechanical or pneumatic**

**Smart Applicator/OCEAN applicator upgrade kit precision controller kit**

**Smart Applicator/OCEAN applicator upgrade kit, 1 required per applicator**

**Smart applicator, machine Integration kit; 1 required per machine**

**Smart applicator, applicator direct integration kit; 1 required per station**

**Smart applicator/OCEAN applicator upgrade kit, 1 required per applicator**

**Smart applicator, machine integration kit; 1 required per machine**

**Smart applicator, precision controller integration kit; 1 required per station**

**DMS kit for servo; 1 required per installation**

**Precision controller kit**

**Smart applicator, machine integration kit; 1 required per machine**

**Smart applicator, precision controller integration kit; 1 required per station**
PREMIUM QUALITY MANUFACTURING OF CRIMP CONNECTIONS

OCEAN Applicator - Small Wire Crimping ≤ 0.30 mm² / 24 AWG

Applicators for small wire sizes
Today’s miniaturized terminals demand a high quality applicator in order to meet the requirements of crimp specifications with very small tolerances. The TE OCEAN applicator, with its improved ram alignment, fine adjust crimp height control and other enhancements is well suited to meet these requirements. However, we have added additional features for those applications running small wire sizes (terminals for wire sizes below 0.35 mm² (22 AWG). These features focus on the location control of the crimper and anvil along the axis of the terminal wire barrel.

We were able to better control this location by changing the method in which we mount the anvil to the base plate in the applicator. This increased control allows the crimped terminal to more consistently meet the specification requirements for bellmouth and cutoff tabs, which are commonly controlled with very small tolerances.

Miniaturization of the connectors places higher demands on the processing machines.

Especially the crimp applicator has to fulfill high requirements:
- High mechanical precision
- Repetition accuracy of the terminal feeding system
- Low friction of the ram

Wire Size 0,13 mm² with miniaturized terminal

OCEAN applicator for small terminal is designed to improve the repeatability of the anvil location relative to the ram. This is accomplished by tighter tolerances on several components, special anvil, modified base-plate and a customize shoulder screw to accurately locate the anvil. All other components (including ram and housing) are normal ocean parts.

Terminal hold-down designed specific to terminal body
Feed options – only pneumatic and servo
Terminal strip guide assembly requiring 75 % less set-up and adjustment
Closer fitting terminal drag
Insulation crimp adjustment increments to match that of reduced cable insulation range
Touch Tooling:
  - Crimper and ram reduced clearance (closer fitting)
  - No crimper spacer minimize tooling stack tolerance build-up
  - Shear depressor mount on underside of ram (constant remount height)
Anvil:
  - Location by close tolerance shoulder screw
  - Repeat position
  - Reducing need to adjust terminal strip guide
OCEAN Applicator – LITEALUM Wire Crimping

Executive summarize
- In parallel with LITEALUM terminal development, TE application tooling has been developing crimp tooling
- Primary goal: Keep the crimping process the same for crimping aluminum. TE is a terminal manufacturer with this goal, giving to our customers a major competitive advantage

Unique applicator features of LITEALUM wire crimping
- Wire crimper with 3-d blend
- Anvil (slightly different has tapered angle)
- Wire depressor (uses special spring-loaded depressor)
- Housing (has cut to mount left side style stripper)
- Modified drag to reduce lateral movement
- Fine adjust insulation adjuster

Tooling – crimper & anvil

Value for the customer
OCEAN applicator design, global standard

Value for the customer
OCEAN applicator for MQS terminals

Value for the customer
OCEAN applicator for LITEALUM terminals

Special wire crimp profile

3 dimension blend
EYE Check Camera

The EYE Check camera is a device to aid in applicator feed setup and terminal alignment. It eliminates your errors. The EYE Check camera is a mounting block for side feed applicators. It’s software is compatible for PC and CQM II crimp quality monitor. Most crimping problems relate to feed.

Correct Alignment
- Reduces scrap
- Contributes to better crimp cross sections
- Is a major contributor to longer tooling life
- Increases machine-up time by eliminating adjustments during production

Equipment Facts
- PC or CQM II compatible
- Camera Size: 11 mm x 120 mm
- Resolution: 1600 x 1200 pixels
- Manual focus
- Angle of view: 60°
EYE Check Alignment Monitoring

Under Feeding

Select the left side of the anvil

Select the right side of the anvil

Select the left side of the wire barrel

Select the right side of the wire barrel

Adjust terminal using guides

Over Feeding

Perfect Feeding

Confirm selections

Adjust terminal using guides
TE CrimpData App

Our OCEAN applicator offering just got a whole lot more flexible thanks to TE CrimpData. With this mobile app you can manage applicator and spare parts inventory, and quickly verify that you have the right applicator for your terminal without having to run back to your desk. And it’s completely free to download from your smart phone or tablet’s app store!

What can it do?

• Reads the new data matrix barcode on applicator tags to provide the latest crimp information.
• Provides compatibility verification between terminals and tooling
• Scans and looks up applicator and terminal information
• Enables you to record cycles on the applicator and spare parts

2D datamatrix barcode ID tag
The TE CrimpData app is available on both the iPhone and Android platforms. Search for “TE CrimpData” to locate and download the app.

Manual Search Functionality
Don’t have a QR code? No problem. Manually enter the serial or part number and search the database for applicator and terminal specs.

Barcode Scanner
Click, scan and search with the touch of a button.

The Right Tool for the Job
TE CrimpData can help you quickly cross reference the applicator to your terminal and verify if it’s the right match.

Order Parts
Ready to check out? TE CrimpData allows you to find and order compatible spare tooling. (coming soon)

Sharing Tool
Quickly launch your email to send order details to yourself or someone else.

Stay on Track
Track and edit applicator and individual cycle counts for spare tooling.

Power of the Cloud
TE CrimpData connects to TE.com and provides a wealth of information like wire size charts, and application specifications.

Manage inventory and stay productive all with the power of the TE CrimpData app.

This QR-Code applies to BOTH Apple Store and Google Play. Scan it with an iPhone or iPad, to open the TE CrimpData page on the Apple App Store https://itunes.apple.com/us/app/te-crimpdata/id1051839828?mt=8
If you scan it with an Android device, it opens the TE CrimpData page on Google Play https://play.google.com/store/apps/details?id=com.te.tecrimpdata
Effective Crimp Performance

Detachable Lubricator Assembly
It is easy to overlook, but routine greasing can be a factor in reducing production downtime. Checking tooling – inspecting crimpers and anvils – before they break also will support production continuity.

Just as with any machinery, lubrication of the applicator reduces wear and even protects against corrosion.

Specific use of contact lubricant on terminals prevents the friction that can lead to sticking in the crimper, bent terminals, and premature crimper wear.

• Assembly for side feed and end feed versions are available
• Simple attachment
• Broad wick and variable adjustments for complete terminal coverage
• Clear composite shell for easy viewing of lubricant levels

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side feed assembly</td>
<td>2199995-1</td>
</tr>
<tr>
<td>End feed assembly</td>
<td>2199995-2</td>
</tr>
</tbody>
</table>

Transporting Applicators Safely
Although applicators are manufactured to withstand the impact of crimping, crimpers and anvils must not contact each other. Such contact can scrape the plating or the crimping surface, causing a friction point. Friction points can form metal buildup, ultimately causing reject crimps and even tool breakage.

This problem is easily avoided. Always leave a terminal in the crimp tooling when moving the applicator from one location to another. This allows the terminal to receive any possible contact and protects the tooling.

The collar protects the applicator from unwanted motions and damages.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collar orange – standard TE color delivered with the applicator</td>
<td>2190783-1</td>
</tr>
<tr>
<td>Collar red – order separately</td>
<td>2190783-2</td>
</tr>
<tr>
<td>Collar green – order separately</td>
<td>2190783-3</td>
</tr>
</tbody>
</table>
Effective Crimp Performance

OCEAN applicators are dedicated to providing high quality crimp connections to meet corresponding specifications.

OCEAN applicator gauges ensure the correct applicator alignment to produce high quality crimp connections.

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCEAN Applicator Gauge, Side Feed</td>
<td>210422-2</td>
</tr>
<tr>
<td>OCEAN Applicator Gauge, End Feed</td>
<td>210422-3</td>
</tr>
</tbody>
</table>

Gauges

Compatible with TE Connectivity and commercially available crimping presses, using quick changes style applicators.

**Applicator Gauge**

Ideal instrument to assure correct positioning of all TE applicators

- Connectivity applicators
- Simple installation and use

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applicator Gauge Kit, Crimp Machines</td>
<td>528440-5</td>
</tr>
</tbody>
</table>
PREMIUM QUALITY MANUFACTURING OF CRIMP CONNECTIONS

Selecting an Applicator Online

A convenient lookup function on the TE website will guide you through applicator selection and provide access to all necessary documents and drawings.

www.te.com/support-center
Selecting Replaceable Tooling Online

Only by the use of genuine TE Connectivity tooling can you be assured of a long-lasting tool life and very reliable production. The design, materials, and manufacturing quality of TE tooling translate directly into fewer rejects, fewer breakdowns and interruptions.

To determine the tooling part number for a specific applicator, simply set your web browser to

Let’s Connect
To learn more about our comprehensive line of tooling solutions, please visit us at www.tooling.te.com.

TE Technical Support Center
USA:  1.800.522.6752  UK:  +44.0800.267666
Canada:  1.800.522.6752  France:  +33.1.34.20.8686
Mexico:  +52.55.11.06.0800  Netherlands:  +31.73.624.6999
Latin/S. America  +54.11.4733.2200  China:  +86.400.820.6015
Germany:  +49.6151.607.1999

Tooling Assistance Centre (TAC)
TAC will provide technical support for all TE Connectivity application tools and machines:
- Terminal to tool cross-reference information and compatibility
- Tooling identification and recommendations
- Technical information and documentation
- Other technical support
- TAC is a technical information provider only - it will not supply any pricing, leadtime or MOQ information
- All requests must be sent to TAC in either English or German
- Email: TAC-EMEA@te.com

Waste Not. Want Not.
Whether it’s time or scrap, in manufacturing everyone knows that waste costs money. With our on-site certification and consultation services, we can help you:
- Reduce downtime
- Reduce scrap
- Maintain crimp quality
- Improve manufacturing efficiency

Time is Money.
In manufacturing downtime can be expensive. That’s why TE is constantly working to improve product availability and delivery rates. With a strong global footprint, short lead times and a strong distribution channel, TE has the equipment and the accessories to keep production online.

EMEA Field Service
The Application Tooling EMEA Field Service Organization has a broad network of field service engineers who cover most countries within the EMEA region. They are well trained and have the knowledge to help you on a professional level with your equipment and other technical questions/problems.

Connect with us today to learn more.
- E-mail (EMEA): TEFE1@te.com
- Phone (EMEA): +49-6151-607-1518
- For additional information download catalog no. 1-1307619-0 from www.tooling.te.com.

Waste Not. Want Not.
Whether it’s time or scrap, in manufacturing everyone knows that waste costs money. With our on-site certification and consultation services, we can help you:
- Reduce downtime
- Reduce scrap
- Maintain crimp quality
- Improve manufacturing efficiency

Time is Money.
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