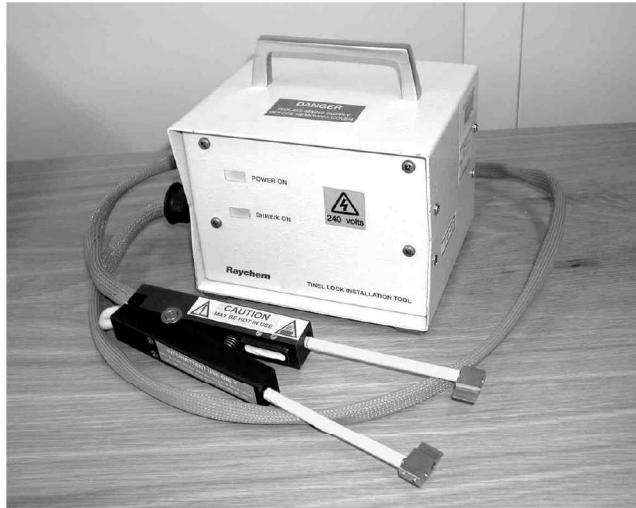


**AD-5000 and RH-396X Tinel-Lock Installation Tool
Tinel-Lock Screened Termination Products**



Applications

The AD-5000-TINEL-ASSY is a manually operated resistance heating tool designed specifically to install Raychem Tinel-Lock ring screened terminations in small batches. Recommended maximum continuous batch is 15, 6 second installations. The standard tool accommodates Tinel Rings from size TR04 to TR24 inclusive.

Various electrode (jaws) types can be used to install other Tinel-Lock ring sizes and types. The operator uses the hand-held tool to install the Tinel-Lock ring in its correct position on screened terminations. The Tinel-Lock ring has two patches of thermochromic paint on the Tinel-Lock ring.

The operator positions the Tinel-Lock ring on the terminations, with at least one of the patches of thermochromic paint visible. The Tinel-Lock ring is then clamped in the jaws to start the installation. Installation is complete when the thermochromic paint turns black.

| | | | |
|------------------------------|-----------------|---------------|---------------------|
| AD-5000 available in: | Americas | Europe | Asia Pacific |
| | ■ | ■ | ■ |
| RH-396X available in: | Americas | Europe | Asia Pacific |
| | ■ | | ■ |

AD-5000 and RH-396X Tinel-Lock Installation Tool
Tinel-Lock Screened Termination Products (Continued)

Technical Specification

| | |
|--|---|
| Electrical Supply | 220V-240V-50Hz |
| Machine Cycle Times for Tinel-Lock rings used on typical range of harnesses: | 5 to 15 Seconds depending on ring size and braid type on the termination. |
| Mains Fuse | 240 V 2 Amp (Type T anti - surge) |
| Total System Noise | Silent Operation |
| Dimensions | 340 x 320 x 170 mm [13.4 x 13 x 6.7 in] |
| Weight | 4.2 Kg |

Product Range

| Tinel-Lock Rings | |
|----------------------------------|--|
| STANDARD ELECTRODES FITTED : | Sizes TR04 to TR24 |
| Conduit Electrodes Fitted | Conduit systems / TR rings on double braid |
| Square Profile Electrodes Fitted | TC02-TC03 RINGS |

Ordering Information

| | Description | Part No. |
|--|--------------------------|-----------------|
| Tinel installation tool (220V-240V) | AD-5000-TINEL-ASSY | 411993-000 |
| Also available in the US and Asia Pacific: Resistance heating tool: 915088-01. Use with American Beauty Transformer - #105-A12 (110V) or #105-A12-220V (220V) and foot switch #10519 | | |
| Tinel installation tool (120 VAC) | RH-3960-1-TINEL-KIT-120V | 173643-000 |
| Tinel installation tool (220 VAC) | RH-3965-1-TINEL-KIT-220V | 859855-000 |

**Recommended Spares —
AD-5000**

| | | |
|--|---------------------------|------------|
| Hand Tool Assembly | AD-5000-TINEL-HAND-TOOL | 795257-000 |
| Standard Electrodes (TR04 to TR24 RINGS) | AD-5000-TINEL-STD-ELECT | 180245-000 |
| Conduit Electrodes (Conduit systems or TR rings on double braid) | AD-5000-TINEL-COND-ELECT | 747235-000 |
| Square Profile Electrodes (TC02-TC03 RINGS) | AD-5000-TINEL-SQ-EXT-ELEC | 065583-000 |

**Recommended Spares —
RH-396X**

| | | |
|---------------------|---------------------------|------------|
| Hand Tool Assembly | 915088-01-TINI-RING-HEATR | 170224-000 |
| Foot Switch | IR-500-P-FOOT-SWITCH | 993702-000 |
| 120 VAC Transformer | TRNSFMR-120V-105-A12-250W | 570939-000 |
| 220 VAC Transformer | TRNSFMR-220V-105-A12-250W | 574557-000 |

N.B. Electrodes are two per P.C.N.

**AD-5010-Tinel Bench-230V Tinel-Lock Installation Tool
Tinel-Lock Screened Termination Products**



Applications

The AD-5010-TINEL-BENCH-230V is a manually operated resistance heating tool designed specifically to install Raychem Tinel-Lock ring screened terminations in large batches, in continuous operation. The tool accommodates Tinel Rings from size TR04 to TR24 inclusive. Various electrode (jaws) types can be used to install other Tinel-Lock ring sizes and types.

The operator uses the tool to install the Tinel-Lock ring in its correct position on screened terminations. The Tinel-Lock ring has two patches of thermochromic paint to ensure consistent installation.

The operator positions the Tinel-Lock ring on the termination, with at least one of the patches of thermochromic paint visible, and operates the push-button (or footswitch if fitted).

The Tinel-Lock ring is then located in spring-loaded jaws (it is not necessary to clamp the ring manually). The push button or footswitch (if fitted) is then operated to start the cycle, the cable is held in position for the duration of the installation. This is complete when the thermochromic paint turns black. This normally takes between 3 to 12 seconds, depending on ring size, braid type etc. An

ammeter on the front panel shows installation current used. A needle file is provided for periodic cleaning of the electrodes.

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |

**AD-5010-Tinel Bench-230V Tinel-Lock Installation Tool
Tinel-Lock Screened Termination Products (Continued)**

Technical Specification

| | |
|--|---|
| Electrical Supply | 230 V 50 Hz |
| Machine Cycle Times for Tinel-Lock rings used on typical range of harnesses: | 3 to 12 Seconds depending on ring size and braid type on the termination. |
| Mains Fuses (2) | 240 V 2 Amp (Type T anti - surge) |
| Total System Noise | Silent Operation |
| Dimensions | 245 x 305 x 290 mm [10 x 12 x 11 in] |
| Weight | 24 Kg |

Product Range

| | Tinel-Lock rings |
|----------------------------------|--|
| STANDARD ELECTRODES FITTED : | Sizes TRO4 to TR24, conduit systems and TR rings on double braid |
| Square Profile Electrodes Fitted | TC02-TC03 RINGS |

Accessories

| | Description | Part No. |
|----------------|--------------------------|------------|
| Footswitch Kit | AD-5010-BENCH-FOOTSW-KIT | 072845-000 |

Recommended Spares

| | Description | Part No. |
|--|-------------------------|------------|
| Standard Electrodes (TR04-TR24 RINGS) | AD-5010-BENCH-STD-ELECT | 222899-000 |
| Square Profile Electrodes (TC02-TC03 RINGS) | AD-5010-BENCH-SQ-ELECT | 727799-000 |
| Mechanism Assembly (Including electrode set) | AD-5010-BENCH-MECH | 924079-000 |

N.B Electrodes are two per P.C.N.

Ordering Information

| | Description | Part No. |
|-------------------------|--------------------|------------|
| Tinel installation tool | AD-5000-TINEL-ASSY | 411993-000 |