



JONARD TOOLS®



MADE FOR LIFE
GUARANTEED FOR LIFE



Catalog No. 122

JONARD TOOLS®

Innovation has always been a part of our core values!



We Are Committed to Provide Premium Quality & the Best Value!

LARGEST MANUFACTURER OF TELECOM TOOLS IN NORTH AMERICA

Offering the perfect tools when: **STRIPPING, PREPARING, CONNECTING, AND TESTING COPPER & COAX CABLES.**



PREMIUM QUALITY THAT IS GUARANTEED FOR LIFE



SHIP 98.7% OF ALL ORDERS COMPLETE WITHIN 24 HOURS



99.3% IN STOCK RATE



NEW PRODUCT INTRODUCTIONS EVERY MONTH

LARGEST MANUFACTURER OF FIBER OPTIC TOOLS

Offering the perfect tools when: **STRIPPING, PREPARING, CONNECTING, CLEANING, AND TESTING FIBER CABLES.**

Founded in 1958, Jonard Tools® manufactures tools for the Telecom, CATV, Fiber Optic, Home Automation, Security & Alarm, and Electrical markets. Jonard Tools® designs and engineers patented products by utilizing customer partnerships to create innovative solutions for industry needs. New tools are released each month and are all Made For Life®. Through quality and innovation, Jonard aims to move the industry forward and connect the world.

We are driven to continually anticipate our customers' changing needs, and our dedication to the customer shows in everything we do. Jonard manufactures over 800 unique products and ships 98.7% of all orders complete within 24 hours.

**MADE FOR LIFE
GUARANTEED FOR LIFE**

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FIBER OPTIC TOOLS

Fiber optics uses flexible fibers of glass to transmit light signals that allow for higher bandwidths and longer distances than traditional wires. Optical fibers are as thin as a human hair and carry large amounts of data for telecommunication, television, and computer networking. Fiber optic cables usually consist of a core surrounded by cladding, buffer tubes, and an outer jacket. Jonard fiber tools aid in stripping, prepping, connecting, cleaning, and terminating simplex fiber cables, drop cables for FTTH, distribution, and blown fiber cables.

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Fiber Optic Strippers

The Jonard fiber optic strippers use preset factory settings so no adjustments are required. This unique design eliminates human error and prevents nicks or scratches from occurring on the optical fibers. Our fiber optic strippers feature the following:

- These tools are made of strong high carbon steel and the blades are ground and hardened for higher durability and longer life
- Ergonomic handle is made of TPR (thermoplastic rubber) for greater comfort
- **JIC-125** and **JIC-175** strips the 250 micron coating to expose the 125 micron glass fiber
- **JIC-180C** strips the 180 micron coating down to the 125 micron optical fiber
- **JIC-200** strips 200 micron buffer coating to expose 125 micron fiber
- **JIC-275** strips the 600-900 micron buffer coating, and 250 micron coating to expose the 125 micron glass fiber
- **JIC-375** strips the 1.6 mm-3 mm fiber jacket, 600-900 micron buffer coating, and 250 micron coating to expose the 125 micron glass fiber

SPECIFICATIONS	JIC-125	JIC-175	JIC-180C	JIC-200	JIC-275	JIC-375
DESCRIPTION	Compact Fiber Optic Stripper, 250 micron	Ergonomic Fiber Optic Stripper, 250 micron	Ergonomic Fiber Optic Stripper, 180 micron	Ergonomic Fiber Optic Stripper, 200 micron	Fiber Optic Stripper, Two Hole	Fiber Optic Stripper Three Hole
STRIP DIAMETER	250 micron	250 micron	180 micron	200 micron	250 micron, 600-900 micron	250 micron, 900 micron, 1.6 mm-3.0 mm
NUMBER OF STRIPPING HOLES	1	1	1	1	2	3
QR CODE						





Buffer Tube Ringer (up to 6 mm) - BTR-6

The Jonard Tools **BTR-6** Buffer Tube Ringer tool provides quick access to fibers inside buffer tubes up to 6 mm in diameter and will work with buffer tubes with wall thicknesses up to 1 mm. The tool is light and durable with a hardened steel blade for long life and includes a hole for tethering.



BTR-6



Fiber Slit/Ring tool for EZ!Fuse SC/LC SOC - EZSR-23

The **EZSR-23** Fiber Slit & Ring Tool has been specially designed to prepare 2 mm and 3 mm fiber optic cables for connecting with Fitel EZ!Fuse™ SC & LC Splice-On Connectors. This tool saves time and makes the connecting process extremely easy by having a ringing dial and slitting channel with preset lengths.



EZSR-23



Fiber Drop Cable Stripper - FDS-312

Designed to strip FTTH drop cables sized 3.1 mm by 2.0 mm, this drop cable stripper strips the outer jacket of drop cables and cuts the strength members to expose the fiber inside.



FDS-312



Fiber Optic Drop Cable Slitter - FOD-2000

The **PATENTED FOD-2000** Fiber Optic Drop Cable Slitter is a tool that simplifies the slitting of drop cable jackets at the end of the cable or mid-span and was developed specifically for FTTH technicians working with flat fiber drop cables. The **FOD-2000** puts a slit on both sides of the jacket allowing easy access to the fiber and strength members. The ease of use makes this tool truly unique! Replacement Blades: **FOD-RB25**



FOD-2000



Fiber Optic Round Cable Slitter - FOR-3000

The Jonard Tools **FOR-3000** Round Cable Slitter is designed to easily and safely open round fiber optic cable jackets from 9 mm to 19 mm in diameter. It is ideal for any FTTH or maintenance technician that needs to work with round fiber optic cables, whether mid span or end-run. Replacement Blades: **FOR-3000RB**



FOR-3000

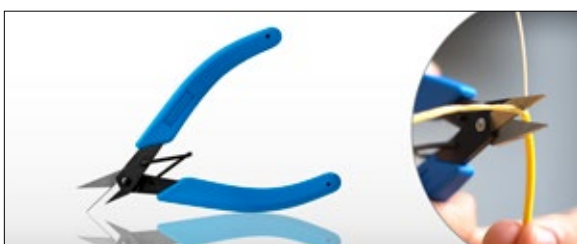


Wire & Kevlar Cutting Shears - JIC-186

High carbon stainless steel blades (heat treated to HRC 58-60) designed to cut Kevlar®, cabling insulation, tape, cable ties and other material. Ergonomic handles for user comfort and durability. Adjustable joint screw under protective cap, a serrated blade for gripping, sharp and durable. 6" long. Handle material is dual component Nylon and Santoprene.



JIC-186



Flush Cut Kevlar® Cutters - JIC-190

The Jonard Tools **JIC-190** Flush Cut Kevlar® Cutters are designed to cut Kevlar®, cabling insulation, tape, cable ties, and other materials flush to the surface.



JIC-190



Slit & Ring Tools

The **JIC-4366** Cable Slit & Ring Tool and the **JIC-4377** Fiber Jacket Slit & Ring Tool are used as cable sheath and jacket slitters. Both tools have a ring blade under the back handle and come with one spare ring blade and one spare slitting blade. The **JIC-4377** has a shorter L-shaped steel guide along the slitting blade allowing you to slit the OFS Minicord EZ-Bend and other similar cables.

RB-2060/6 Replacement blades for ring cut (package of 6)

RB-2878/6 Replacement blades for slit cut (package of 6)



JIC-4366



JIC-4377



Rollable Ribbon Fiber Separator - RFS-100

Designed for use on Rollable or Spyder type ribbon fiber optic cables, this tool is perfect for separating the matrix of fibers in ribbon fiber optic cables quickly and easily.



RFS-100



Riser Slitting Tool - RST-8514

This is a mid-span slitting tool used to create an access window in round FTTH riser cables as well as microducts. It works with 8.5 mm-14 mm round cables. **RST-RB25** Replacement Blades (Pkg of 25 blades).



RST-8514



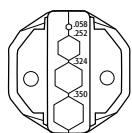
Crimper with Fiber Optic Die - UC-8039

Designed for use with FC, ST, SC, LC, SMA, and MT-RJ connectors, this crimper is the perfect tool for crimping fiber optic connector collars.



UC-8039

Kit includes:



Universal Crimper Without Die
UC-8000



Fiber Optic Crimping Die
UCD-2685













Mid Span Slitters

These **PATENTED** tools are designed to open fiber jackets and loose buffer tubes to provide easy fiber access. The buffer tube slitting is done without damage to the fiber. Blades are replaceable.

Simple to use:

- Select the correct groove. Grooves marked with the recommended fiber size
- Place the fiber in the groove to be used
 - Note: The arrow on the top of the tool indicates the pulling direction and the line indicates the blade location
- Close the tool making sure lock is engaged and pull to slit the fiber
 - For ring operation repeat steps above and, instead of pulling, rotate the tool 3-6 times to ring the cable

SPECIFICATIONS	MS-6	MS-26	MS-306	MS-316
DESCRIPTION	Mid Span Slitter (1.2 mm-3.3 mm)	Large Mid Span Slitter (2.9 mm-6.8 mm)	Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)	Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)
NO. OF PRECISION GROOVES	6 (Slitting only)	5 (Slitting only)	12 (6 Slitting, 6 Ringing)	10 (5 Slitting, 5 Ringing)
GROOVE SIZES (MM)	1.2-1.5, 1.5-1.8, 1.8-2.1, 2.1-2.5, 2.5-2.9, 2.9-3.3	2.9-3.6, 3.6-4.4, 4.4-5.2, 5.2-6.0, 6.0-6.8	1.2-1.5, 1.5-1.8, 1.8-2.1, 2.1-2.5, 2.5-2.9, 2.9-3.3	2.9-3.6, 3.6-4.4, 4.4-5.2, 5.2-6.0, 6.0-6.8
REPLACEMENT CARTRIDGE	MSB-1533	MSB-2968	MS-306RB	MS-316RB
QR CODE				

SPECIFICATIONS	MS-326	MS-336	MS-426	MS-526
DESCRIPTION	Micro Duct Fiber Cable Slit & Ring Tool (5 mm-10 mm)	Mid Span Slit & Ring Tool (7.9 mm-11.0 mm)	Mid Span Slit & Ring Tool (5.8 mm-12 mm)	Mid Span Slit & Ring Tool (10.2 mm-18.2 mm)
NO. OF PRECISION GROOVES	10 (5 Slitting, 5 Ringing)	4 (2 Slitting, 2 Ringing)	8 (4 Slitting, 4 Ringing)	8 (4 Slitting, 4 Ringing)
GROOVE SIZES (MM)	5.0-5.6, 6.0-6.6, 7.2-7.8, 7.8-8.4, 9.4-10	7.9-8.2, 10.7-11.0	5.8-6.4, 7.8-8.4, 9.8-10.4, 11.2-12	9.8-10.2, 11.8-12.2, 15.4-15.8, 17.8-18.2
REPLACEMENT CARTRIDGE	MSB-5010	MS-336RB	MS-426RB	MS-526RB
QR CODE				



Mid Span Slitter Replacement Cartridges

JONARD P/N	DESCRIPTION
MSB-1533	Replacement Blade Set For MS-6
MSB-2968	Replacement Blade Set For MS-26
MS-306RB	Replacement Blade Set For MS-306
MS-316RB	Replacement Blade Set For MS-316
MSB-5010	Replacement Blade Set For MS-326
MS-336RB	Replacement Blade Set For MS-336
MS-426RB	Replacement Blade Set For MS-426
MS-526RB	Replacement Blade Set For MS-526



Fiber Cleaver - FC-220

The **FC-220** is a single fiber cleaver designed to accommodate either 900 μm buffered or 250 μm coated fiber. The quick and easy three-step operation is well suited for mechanical splice and quick termination field connector applications. The leaf spring base is ruled to allow for cleave lengths of 2 to 20 mm. The standard carbide blade will perform up to 6000 cleaves. Replacement Carbide Steel Blade: **FC-4**; Replacement Leaf Spring: **FC-65**



FC-220



Precision Fiber Optic Cleaver - FC-500

The Jonard Tools **FC-500** precision fiber cleaver is designed to provide a precise cleave and prepare a fiber to be fusion spliced for 250 μm and 900 μm coated optical fiber.

Replacement Blade: **FC-500RB**



FC-500



Thin-walled Microduct Scoring Tool, 5-16 mm - FS-1080

The Jonard Tools Microduct Scoring Tool is perfect for scoring and ringing 10/8 and 12/10 fiber optic microducts without damaging the fibers inside. For microducts with a wall thickness of 1.0 mm-1.3 mm (0.039"-0.051").

Replacement Blade Cartridge: **FS-1080RB**



FS-1080



Thick-walled Microduct Scoring Tool, 5-16 mm - FS-1416

The Jonard Tools Microduct Scoring Tool is perfect for scoring and ringing 14/10 and 16/10 fiber optic microducts without damaging the fibers inside. For microducts with a wall thickness of 1.5 mm-3.0 mm (0.059"-0.118").

Replacement Blade Cartridge: **FS-1416RB**



FS-1416



Micro Duct Tube Cutter - MDC-14

Perfect for cutting micro ducts and tubing made from PVC, Nylon, and other materials up to 14 mm (9/16") in diameter. Length 4.5" (114.3 mm)



MDC-14

Micro Duct Cutter - MDC-28

Creates quick, clean, and straight cuts in fiber ducts up to 28 mm. Perfect for cutting PVC, CPVC, HDPE, and other plastic tubing. Length 7.25" (18.4 cm). Replacement Blade: **MDC-28RB**



MDC-28

Large Fiber Duct Cutter - MDC-64

Cuts large fiber ducts up to 64 mm (2.52") in diameter. Perfect for cutting PVC, CPVC, PE, HDPE, PEX and other nonmetallic tubing. Length 9.5" (24.13 cm). Replacement Blade: **MDC-64RB**



MDC-64



FLS-55









FPM-50A



PON-50

Fiber Optic Power Meters and Light Sources

Jonard Tools makes fiber optic test equipment for many applications. Various adapter options are available to test all types of fiber connectors.

SPECIFICATIONS	FLS-50	FLS-55	FPM-50A	FPM-55	PON-50	PON-55
DESCRIPTION	Optical Light Source	Multi-mode & Single-mode Fiber Optic Light Source	Fiber Optic Power Meter	Fiber Optic Power Meter with Data Storage	Passive Optical Network Power Meter	Passive Optical Network Power Meter
NETWORK TYPES	PC/UPC	PC/UPC	PC/UPC/APC	APC/PC/UPC	BPON/EPON/GPON	BPON/EPON/GPON, APC
CONNECTOR TYPES	LC, FC/SC	LC, FC/SC	FC, SC, LC	FC, SC, LC	FC/SC	FC/SC (APC)
WAVELENGTHS (NM)	1310, 1550	850, 1300, 1310, 1550	850, 980, 1300, 1310, 1490, 1550, 1625, 1650	850, 980, 1300, 1310, 1490, 1550, 1625, 1650	1310, 1490, 1550	1310, 1490, 1550
DETECTOR TYPE	N/A	N/A	InGaAs	InGaAs	InGaAs	InGaAs
MEASUREMENT RANGE	N/A	N/A	-50 dBm to +26 dBm	-50 dBm to +26 dBm	-35 dBm to +10 dBm at 1310 nm/1490 nm, -35 dBm to +20 dBm at 1550 nm	-40 dBm to +10 dBm
QR CODE						





Optical Fiber Identifier - OFI-50

Designed to quickly identify the direction of transmitted fiber and display the relative core power without damaging the fiber, this fiber identifier is the perfect tool for identifying fiber in network systems without disrupting the network. This fiber identifier also features the following:



OFI-50

Includes:

- Fiber Identifier
- Sunshade
- 3 mm, 2 mm, 900 nm (0.90 mm), and 250 nm (0.25 mm) adapter
- Carrying Pouch



Visual Fault Locator Kit - VFL-150

Works on FC, SC, ST connectors and will work on LC connectors when used with the included adapter. Distance up to 5 km (3.1 miles).



VFL-150

Includes:

- **VFL-25** Visual Fault Locator
- **VFL-25125** FC to LC Adapter for **VFL-25**
- (2) AAA Batteries



Thermal Stripper Adjustable Blade - TSAB-40

Our **TSAB-40** Adjustable Blade Thermal Stripper supports optical fibers with cladding diameters from 30 μm to 1000 μm , with buffer diameters up to 1200 μm . This includes standard 250 μm , 400 μm , and 900 μm coated fibers. Adjustable temperature and time settings allow it to adapt to stripping a variety of different acrylate coatings and cladding sizes.



TSAB-40

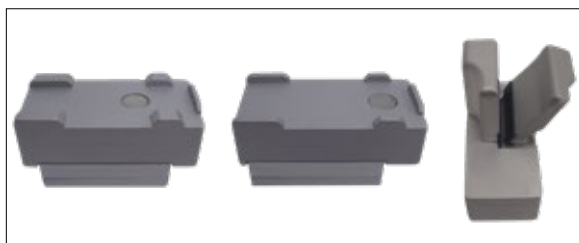


Thermal Stripper Fixed Blade - TSFB-125

Our **TSFB-125** Fixed Blade Thermal Stripper supports standard 125 μm optical fibers, including 250 μm , 400 μm , and 900 μm coated fibers. Adjustable temperature and time settings allow it to adapt to stripping a variety of different coatings. The precision, self-centering blade design produces high strength stripping performance unmatched by previous flat blade strippers.



TSFB-125



Thermal Stripper Platforms & Universal Clamp

For Fitel, Fujikura and Ericsson fiber holders use the corresponding platforms. For LDF and all others without fiber holders use the Jonard Tools Universal Clamp.

SPECS	TSPE-125	TSPF-125	TSUC-40
DESCRIPTION	Platform for Thermal Stripper Holders, Ericsson	Platform for Thermal Stripper Holders, Fitel/Fujikura	Universal Clamp for Thermal Strippers
QR CODE			



Fiber Connector Cleaners

Designed to provide exceptional cleaning performance by cleaning connectors beyond the critical fiber core area and cleaning deep into the contact area of a bulkhead adapter or connectors on fiber optic cables. The tethered dust cap provides protection for the micro fiber cleaning fabric and is an adapter for connector end face cleaning.

- Features a **PATENTED** 360 degree Rotational Tip for extra wide cleaning
- Slide-Guide™ non-slip micro tape feeder guarantees consistent cleaning
- Dual rotational tip and one-push operation makes cleaning ferrule end-faces quick and easy
- Flip-open cap makes it easy to insert connectors for cleaning
- The **FCC-120** provides 500+ cleanings and both the **FCC-125** and **FCC-250** provide 800+ cleanings.
- Static-free housing and cleaning cloth make this tool perfect for ESD-safe work

SPECIFICATIONS	FCC-120	FCC-125	FCC-250
DESCRIPTION	Fiber Connector Cleaner MPO	Fiber Connector Cleaner 1.25 mm	Fiber Connector Cleaner 2.5 mm
NO. OF CLEANINGS	500+	800+	800+
FIBER CONNECTORS	MPO	LC	FC, SC, ST
QR CODE			



Fiber End-Face Ferrule Cleaners, Angled Head

Fiber End-Face Ferrule Cleaners are designed to provide exceptional cleaning performance on fiber optic connectors. They clean ferrules in recessed fiber optic adapters or individual connectors. These tools feature the following:

- **FCCN-125** cleans 1.25 mm ferrules in recessed fiber optic adapters or individual LC or MU connectors.
- **FCCN-250** cleans 2.5 mm ferrules in recessed fiber optic adapters or individual FC, SC, or ST connectors.
- Adjustable angled head (up to 45°) is perfect for getting into hard-to-reach places.
- Flip-open cap makes it easy to insert connectors for cleaning.
- Remove cap to clean fiber in bulkhead adapters.
- Static-free cloth provides up to 350 swipes per cleaner.

SPECIFICATIONS	FCCN-125	FCCN-250
DESCRIPTION	1.25 µm End-Face Ferrule Cleaner	2.50 µm End-Face Ferrule Cleaner
NO. OF CLEANINGS	350+	350+
FIBER CONNECTORS	LC, MU	FC, SC, ST
QR CODE		



Fiber Inspection Microscopes

Fiber inspection microscopes have a focus wheel and feature 2.5 mm and 1.25 mm adapters for use on most fiber connectors. The achromatic lens offers excellent imaging and integrated laser filters for safety (not intended for use with illuminated fibers). Coaxial illumination provides clear view of connector face and fiber.

The **FIM-200** has 200x magnification

The **FIM-400** has 400x magnification



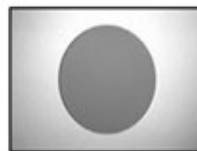
FIM-200



FIM-400



Before Cleaning



After Cleaning



Universal Fiber Connector Cleaner - FCC-300

A handheld connector cleaner that is strong enough for aggressive cleaning of a wider range of contaminants, soils and end-face debris. Stable, consistent, cleaning performance regardless of operator skill thanks to its **PATENT PENDING** Slide-Guide™ connector holder.



FCC-300



Dry Wipes (90 Pcs) - DW-90

Made from a lint-free polyester fabric packaged in a convenient dispenser, these fiber optic wipes are perfect for cleaning bare fiber, connector end-faces, and electronic components.



DW-90



Fiber Optic Cleaning Fluid - FCF-3

This quick-drying, nonflammable cleaning fluid is perfect for cleaning bare fiber, connector end-faces, and electronic components.



FCF-3



Fiber Wipes (Pack of 50) - FW-50

Alcohol Wipes. Pure 91% Isopropyl Alcohol.

- Excellent Cleaner for optical surfaces, glass fibers, and connector end faces
- Fast evaporating, residue-free solvent
- Mild, non-abrasive solvent
- Compatible with most plastics, glass and metals
- Convenient, safe package



FW-50



QuickSleeve™ - PSI-15

Loading a protection sleeve onto a fiber can be tedious, even for the most experienced technicians. Plus, if they have physical impairments such as poor eyesight then it can become nearly impossible. Designed to make loading protection sleeves onto fiber quick and easy, the **PSI-15 QuickSleeve™** tool is ideal for aligning fiber to the holes of protection sleeves and is a real timesaver.





PSI-15



Fiber Connector Tools

The FCT-100 and FCT-200 fiber connector tools are perfect for inserting and extracting fiber connectors in high-density patch panels. The unique jaws of the tools were specially designed to easily navigate tight spaces and grasp connectors firmly without damaging them or touching any surrounding connectors.

SPECIFICATIONS	FCT-100	FCT-200
FIBER CONNECTOR	LC, SC-Simplex, SC-Duplex, MU, MT-RJ	LC Simplex, SC Simplex, MU
QR CODE		



Fiber Scribe - FS-616

Housed in a protective metal housing with pocket clip, the **FS-616** has a 6 mm wide blade with a 35-degree beveled edge. It features a wide carbide blade, allowing the cleaving of standard as well as larger diameter fibers and miniature rod shaped lenses. Ideal for scratch and pull scribing of fiber optic cables.



FS-616



Fluid Dispenser for 220 mL Fiber Cleaning - FD-220

Designed to store and dispense cleaning fluids, such as isopropyl alcohol, to clean the end-faces of fiber optic cables.



FD-220



Fiber Scraps Disposal Can - FDC-66

This can allows safe disposal of cleaved fiber ends. The twist lock cover locks scraps in the disposal can for safe and easy disposal.



FDC-66





Fiber Optic Scissor Kits

JONARD P/N	DESCRIPTION	TK-350	TK-375	TK-325
		Fiber Stripper & Kevlar® Shears Kit	Fiber Stripper & Scissors Kit	Scissor & Pouch Kit
JIC-375	Fiber Optic Stripper, Three Hole	X	X	
JIC-186	Wire & Kevlar® Cutting Shears	X		X
ES-1964	Electrician's Scissors		X	
H-60	Molded 2 Pocket Tool Pouch	X		
H-36	Molded 2 Pocket Tool Pouch		X	
H-25	Molded Tool Pouch			X
QR CODE				



Fiber Connector Cleaning/Inspection Kits

Provides you with all the tools needed for cleaning and inspecting fiber connector end faces.

JONARD P/N	DESCRIPTION	TK-182	TK-183	TK-184	TK-186	TK-188	TK-189
		Fiber Cleaning Kit; Replacement Refill Kit: TK-182RF	Fiber Optic Connector Clean & Prep Kit, w/ Cleaver	Fiber Optic Connector Clean and Prep Kit, Precision Cleaver	Fiber Connector Cleaning Kit	Fiber Connector Cleaning & Inspection Kit 200x Magnification	Fiber Connector Cleaning & Inspection Kit 400x Magnification
FW-50	Fiber Wipes (Pkg. of 50)		X	X	X	X	X
FCC-250	Fiber Connector Cleaner 2.5 mm	X			X	X	X
FCC-125	Fiber Connector Cleaner 1.25 mm	X			X	X	X
H-90	Rugged 21 Pocket Tool Case				X	X	X
H-20	Rugged Carrying Case	X	X	X			
FCT-100	Fiber Connector Insertion and Removal Tool				X	X	X
FL-2000	LED Flashlight with Zoom Lens				X	X	X
JIC-375	Fiber Optic Stripper, Three Hole		X	X			
VFL-25	Visual Fault Locator		X	X			
FCC-300	Universal Fiber Connector Cleaner					X	X
FCF-3	Nonflammable Fiber Cleaning Fluid	X					
DW-90	Dry Wipes for Cleaning Fiber	X					
FC-220	Fiber Cleaver		X				
FC-500	Precision Fiber Cleaver			X			
FIM-200	Fiber Inspection Microscope 200x Magnification					X	
FIM-400	Fiber Inspection Microscope 400x Magnification						X
QR CODE							

Fiber Prep Kits

Provides you with all the tools needed to access and prepare a fiber optic cable for termination.

- **TK-105** Fiber Optic Mid Span Slit & Ring Tool Kit
- **TK-106** Fiber Optic Mid Span Slit & Ring Tool Kit+
- **TK-121** Fiber Prep Kit+
- **TK-151** Fiber Prep Kit with Connector Cleaner, Fiber Cleaver, & Visual Fault Locator+
- **TK-161** Fiber Prep Kit with Connector Cleaners, Visual Fault Locator+
- **TK-170** Fiber Prep Kit with Small & Large Mid Span Slitters
- **TK-179** Advanced Fiber Prep Kit



H-90

H-20



MDC-28



MDC-14



UST-500



BTR-6



CSR-1575



JIC-1022



JIC-2288



JIC-842



JIC-375



SD-61



FCC-250



FCC-125



CST-1900



FDS-312



VFL-150



FL-2000



FW-5



FC-500



JIC-22035/10



RST-8514



AST-200



KN-7



JIC-186



RCS-25



MS-306



MS-326



MS-316



MS-426







MS-26



MS-6



FOD-2000

JONARD P/N	DESCRIPTION	TK-105	TK-106	TK-121	TK-151	TK-161	TK-170	TK-179
MS-306	Mid Span Slit & Ring Tool (1.2 mm-3.3 mm)	X	X	X	X	X		X
GST-1900	Round Cable Strip & Ring Tool		X	X	X	X	X	X
H-90	Rugged 21 Pocket Tool Case		X	X	X	X	X	X
JIC-375	Fiber Optic Stripper, Three Hole		X	X	X	X	X	X
JIC-186	Wire & Kevlar® Cutting Shears		X	X	X	X	X	X
FOD-2000	Fiber Optic Drop Cable Slitter	X	X	X	X	X		
BTR-6	Buffer Tube Ringer (up to 6 mm)		X	X	X	X		X
JIC-2288	High Leverage Diagonal Cutting Pliers, 8"			X	X	X	X	X
JIC-842	Long Nose and Side Cutting Pliers			X	X	X	X	X
SD-61	6-in-1 Multi-Bit Screwdriver w/ Phillips & Slotted Bits			X	X	X	X	X
FL-2000	LED Flashlight with Zoom Lens			X	X	X		X
MS-326	Mid Span Slit & Ring Tool (5 mm-10 mm)	X	X					X
MS-316	Mid Span Slit & Ring Tool (2.9 mm-6.8 mm)	X	X					X
CSR-1575	Cable Slit & Ring Tool	X					X	X
FW-5	Fiber Wipes, Wet (Pack of 5)			X	X	X		
MS-426	Mid Span Slit & Ring Tool (5.8 mm-12 mm)		X					X
FCC-250	Fiber Connector Cleaner, 2.5 mm				X	X		
FCC-125	Fiber Connector Cleaner, 1.25 mm				X	X		
VFL-150	Visual Fault Locator Kit				X	X		
JIC-1022	Wire Stripper 10-22 AWG						X	X
KN-7	Ergonomic Cable Splicing Knife						X	X
FC-500	Precision Fiber Cleaver		X					
JIC-22035/10	Insulated Probe Picks				X			
UST-500	Universal Cable Stripping Tool for COAX, Network, and Telephone Cables				X			
MS-26	Mid Span Slitter (2.9 mm-6.8 mm)				X			
MS-6	Mid Span Slitter (1.2 mm-3.3 mm)				X			
AST-200	CableSaber™						X	
FDS-312	Fiber Drop Cable Stripper						X	
RCS-25	Ratcheting Cable Slitter						X	
RST-8514	Riser Slitting Tool						X	
MDC-28	Microduct Cutter							X
MDC-14	Microduct Tube Cutter							X
H-20	Rugged Carrying Case							X
QR CODE								



CATV/COAX TOOLS

CATV is short for Community Antenna Television, now known as Cable TV, which is transmitted via coaxial cables (COAX). COAX cables transmit radio frequency signals using an electromagnetic field carried through the tubular cable. These cables consist of an inner conductor, insulation, conducting shield, and outer sheath jacket. The spacing within the cables must be consistent in order to transmit the signals, and our tools ensure proper methods that will not damage these cables in any way.

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UST-100 SERIES



UST-500 SERIES

COAX Stripping Tools

The UST Series creates a two step strip on a multitude of cables (and the **UST-175** provides a three step strip). These tools include a Velcro® strip for folding back the braided shield of the cable. Blade cartridges are interchangeable and last over 5,000 strips.

SPECIFICATIONS	UST-1596	UST-100	UST-125	UST-135	UST-150	UST-175	UST-185
DESCRIPTION	COAX Stripping Tool With Twin RG59/6 Blade	RG59/6 & 7/11 COAX Stripping Tool	COAX Stripping Tool For RG59/6 & 7/11 With Cable Stop	COAX Stripper for RG7/RG11	CAT/TP & RG59/6 Cable Stripping Tool	Mini COAX Cable Stripper	Mini COAX Cable Stripping Tool
HANDLE COLOR	Blue	Blue	Blue	Blue	Blue	Yellow	Blue
CABLE TYPE	COAX	COAX	COAX	COAX	COAX	COAX	Dual/Quad Shield Mini COAX
CABLE SIZE	RG59 and RG6	RG59 and RG6, RG7 and RG11	RG59 and RG6, RG7 and RG11	RG7 and RG11	RG59 and RG6, UTP	Mini COAX	Mini COAX
BLADE CARTRIDGE	UST-210	UST-205	UST-225	UST-235	UST-215	UST-220	UST-230
QR CODE							

SPECIFICATIONS	UST-500	UST-525	UST-540	UST-596
DESCRIPTION	Universal Cable Stripping Tool	Universal Cable Strip Tool With UST-225 Blade	Universal Cable Stripper for RG59 & RG56	Universal Cable Stripping Tool RG59/6
HANDLE COLOR	Blue	Blue	Yellow	Blue
CABLE TYPE	COAX, Network, Flat Telephone Cable	COAX, Network, Flat Telephone Cable	COAX, Network, Flat Telephone Cable	COAX, Network, Flat Telephone Cable
CABLE SIZE	RG-59/6/7/11 COAX, CAT3/4/5E/6/6A Network, Up to 1 cm wide Flat Cable	RG-59/6/7/11 COAX, CAT3/4/5E/6/6A Network, Up to 1 cm wide Flat Cable	RG-59/6 COAX, CAT3/4/5E/6/6A Network, Up to 1 cm wide Flat Cable	RG-59/6 COAX, CAT3/4/5E/6/6A Network, Up to 1 cm wide Flat Cable
BLADE CARTRIDGE	UST-205	UST-225	UST-240	UST-210
QR CODE				



UST-205



UST-210



UST-215



UST-220



UST-225



UST-230



UST-235



UST-240



CSS-105 CSS-110 CSS-115 CSS-120 CSS-125 CSS-130 CSS-135








COAX Stub End Strippers

The CSS Series tools are coaxial cable strippers specifically designed to strip a stub end of a COAX cable in a wall outlet box, which eliminates the need to run new cable, saving time and money. Each CSS tool provides a two step strip of an RG59/6 cable to a specific braid length and center conductor length (shown in the chart below). The built-in strip stop insures the strip lengths are consistent.

Easy to use:

Squeeze handles to open jaws and insert cable, release to close jaws, rotate like a screwdriver and remove. Tool will not cut the braid or score the center conductor.

Blades cartridges are easily changed and replaced.

SPECIFICATIONS	CSS-596	CSS-5097	CSS-5110	CSS-5127	CSS-5156	CSS-5610	CSS-59M
DESCRIPTION	COAX Stub End Stripper (RG59/RG6)	COAX Stub End Stripper (9 mm/7 mm)	COAX Stub End Stripper (10 mm/10 mm)	COAX Stub End Stripper (12 mm/7 mm)	COAX Stub End Stripper (15 mm/6 mm)	COAX Stub End Stripper (6 mm/10mm)	Mini COAX Stub End Stripper (9 mm/7 mm)
BLADE CARTRIDGE	CSS-105	CSS-115	CSS-120	CSS-110	CSS-130	CSS-125	CSS-135
BLADE CARTRIDGE COLOR	Black	Light Blue	Blue	Grey	Brown	Burgandy	Orange
BRAIDED STRIP LENGTH	1/4"	9 mm	10 mm	12 mm	15 mm	6 mm	9 mm
CENTER CONDUCTOR STRIP LENGTH	5/16"	7 mm	10 mm	7 mm	6 mm	10 mm	7 mm
QR CODE							





Compression Tools

Many different fittings are used to terminate RG6 and RG59 COAX cables. Jonard offers compression tools to work with all types of connectors (BNC, PPC, Beldon, and more). See jonard.com for a list of all compatible connectors.






CT-200 - Universal Compression Tool designed for use on most F connectors (RG59, RG6, & RG11), BNC connectors (RG59 & RG6) and RCA connectors (RG59 & RG6).

CTF-200 - Compression tool with a fixed design for use on the longer style F connectors (such as PPC® EXXLWS Aquatight connector, EX-XL and other similar length connectors)

CTF-200CG - Compression tool with a fixed design for use on Corning Gilbert connectors. Tool also works with brands such as PPC & Thomas Betts.

CTF-230 - This dual compression tool is two tools in one, combining the features of the CTF-200 and the CTF-300. It is designed for use on either short or long F connectors (such as PPC EX6 and PPC EX6XL), and also works on most RG 11 connectors. The Green ring side of the plunger is for the “short” PPC EX6 style

CTF-300 - Compression tool with a fixed design for use on the shorter style F connectors (such as PPC Aquatight Connector EX or shorter connectors and other similar length connectors).

SPECIFICATIONS	CT-200	CTF-200	CTF-200CG	CTF-230	CTF-300
DESCRIPTION	Universal Compression Tool	Compression Tool Fixed - Long	Compression Tool Fixed - Long CG	Dual Compression Tool - Short and Long	Compression Tool Fixed - Short
CONNECTOR TYPE	Adjustable	Fixed	Fixed	Fixed	Fixed
CONNECTOR LENGTH	Short & Long	Long	Long	Short & Long	Short
HANDLE COLOR	Green/Blue	Blue	Blue	Green/Blue	Green
REPLACEABLE PLUNGER P/N	21881	N/A	N/A	21912	N/A
QR CODE					



COAX Cable Gripping Tool - CG-100

Designed to grip RG59, RG6, RG7, and RG11 cables, this COAX cable gripping tool facilitates the stripping, slitting, splicing, and other functions of coaxial cables.



CG-100



360 Degree Compression Tool for RG59/6 - CTF-180

Fixed compression tool with reversible plunger and 360 degree F connector support for use with most short and long F connectors. This compression tool works on F connectors for RG6 and RG59 cables. The tool is solid steel construction, protected with a black oxide finish, spring loaded and fitted with blue cushioned grips making this tool rugged yet comfortable to use. Includes integrated handle lock for storage.



CTF-180



360° Compression Tool for Short RG6, & RG11 Style F Connectors - CTF-360

Using specially designed jaws to hold connectors in place while compressing, this **PATENTED CTF-360** is designed to hold and compress connectors requiring a full 360 degree support. Perfect tool for short F connectors for RG59/6 cables and F connectors for RG7/11 cables.



CTF-360



Web Slitter & Shaving Tool - WSS-4625

Designed to slit and shave the webbing off messengered hardline COAX cables and figure 8 fiber cables, the Jonard Tools **WSS-4625** Web Slitter and Shaver is the perfect tool for working with aerial messenger cables ranging from 0.400"-0.625" in diameter. Replacement Blade Cartridge: **WSS-4625RB**



WSS-4625





COAX Tool Kits

Service kits for CATV technicians to repair and maintain COAX cable networks.

Kits Contains:

JONARD P/N	DESCRIPTION	TK-78	TK-82	TK-83	TK-85	TK-86	TK-87	TK-89
FL-2000	LED Flashlight with Zoom Lens	X	X	X	X	X	X	X
H-85	Molded 8 Tool Pouch	X	X	X	X	X	X	X
JIC-2288	Plier, Diagonal, Cutter, 8"	X	X	X	X	X	X	X
PT-300	Pocket Continuity Tester & Toner	X	X	X	X	X	X	X
SD-61	Screwdriver Multi-Bit 6 In 1	X	X	X	X	X	X	X
TWAF-71630	Torque Wrench, Full Head 7/16", 30 in-lb	X	X	X	X	X	X	X
UST-125	Cable Stripper RG59/6 & RG7/11 with Cable Stop	X	X	X	X		X	
CT-200	Universal Compression Tool				X	X		X
CTF-300	Compression Tool Fixed - Short			X			X	
CTF-180	360 Degree Compression Tool for RG59/6	X						
CTF-200	Compression Tool Fixed - Long		X					
UST-150	COAX RG59, RG6, & CAT/TP Twisted Pair Cable Stripper					X		
CTF-230	Dual Compression Tool						X	
UST-185	Mini COAX Cable Stripper							X
QR CODE								



Hardline Strip & Core Tools

These coring tools will strip and core hardline COAX cable of all sizes and can be used with or without a drill. These coring tools will strip and core hardline COAX cable of all sizes and can be used with or without a drill.

Note: the stripper on the QR series must be used separately but can be stored on the coring tool for convenience.



SPECS	HSC-50	HSC-75	HSC-625	HSC-540QR	HSC-715QR	HSC-860QR
DESCRIPTION	Hardline Strip & Core Tool 1/2"	Hardline Strip & Core Tool 3/4"	Hardline Strip & Core Tool 5/8"	Hardline Strip & Core Tool Kit 540QR	Hardline Strip & Core Tool Kit 715QR	Hardline Strip & Core Tool Kit 860QR
SIZE OF CABLE	1/2" (12.7 mm)	3/4" (19.05 mm)	5/8" (15.86 mm)	QR540 (13.72 mm)	QR715 (18.16 mm)	QR860 (21.84 mm)
REPLACEMENT PARTS	HS-RB, HC-RB, HCB-50	HS-RB, HC-RB, HCB-75	HS-RB, HC-RB, HCB-625	HS-RBQR, HC-RBQR, HCB-540QR	HS-RBQR, HC-RBQR, HCB-715QR	HS-RBQR, HC-RBQR, HCB-860QR
QR CODE						

All-In-One



SPECS	HS-50	HS-75	HS-625	HS-540QR	HS-715QR	HS-860QR
DESCRIPTION	Hardline jacket stripper 1/2"	Hardline jacket stripper 3/4"	Hardline jacket stripper 5/8"	Hardline jacket stripper 540QR	Hardline jacket stripper 715QR	Hardline jacket stripper 860QR
SIZE OF CABLE	1/2" (12.7 mm)	3/4" (19.05 mm)	5/8" (15.86 mm)	QR540 (13.72 mm)	QR715 (18.16 mm)	QR860 (21.84 mm)
REPLACEMENT PARTS	HS-RB	HS-RB	HS-RB	HS-RBQR	HS-RBQR	HS-RBQR

Jacket Strippers



SPECS	HC-50	HC-75	HC-625	HC-540QR	HC-715QR	HC-860QR
DESCRIPTION	Hardline coring tool 1/2"	Hardline coring tool 3/4"	Hardline coring tool 5/8"	Hardline coring tool 540QR	Hardline coring tool 715QR	Hardline coring tool 860QR
SIZE OF CABLE	1/2" (12.7 mm)	3/4" (19.05 mm)	5/8" (15.86 mm)	QR540 (13.72 mm)	QR715 (18.16 mm)	QR860 (21.84 mm)
REPLACEMENT PARTS	HC-RB, HCB-50	HC-RB, HCB-75	HC-RB, HCB-625	HC-RBQR, HCB-540QR	HC-RBQR, HCB-715QR	HC-RBQR, HCB-860QR

Coring



COAX Center Conductor Cleaner - CC-120

Designed to remove excess dielectric from the center conductor of distribution or trunk cables without damaging the center conductors. Includes the **CC-4** set of flat blades and saw tooth blades



CC-120

Speed Head 7/16

Full Head 9/16

Full Head 7/16

Full Head 11

Full Head 1/2

Full Head 22



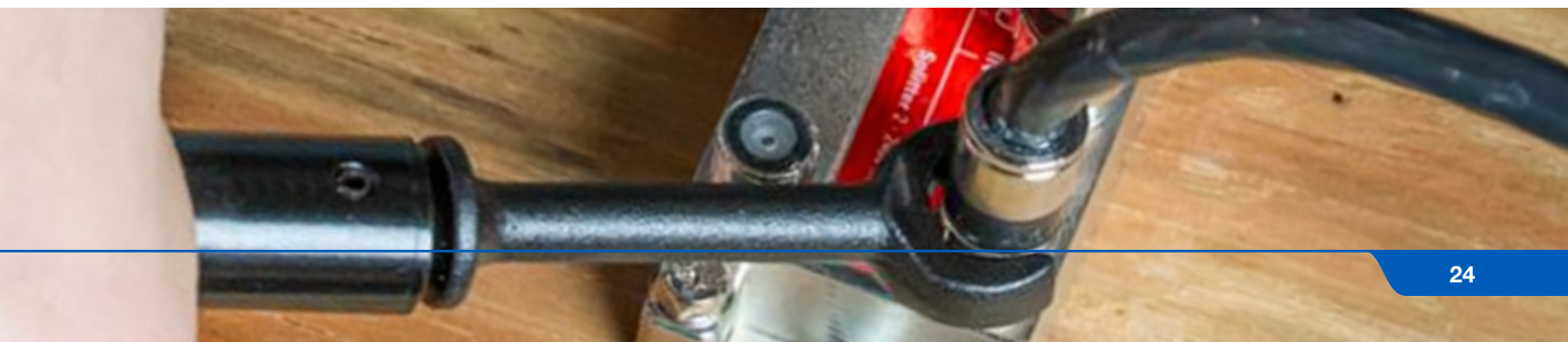
Close-Up of Angled Head

Torque Wrenches

The full head Torque Wrenches behave like traditional open end wrenches. Designed for "F" Connectors, these wrenches help prevent over tightening. An audible click tells you the F Connector has been torqued to the proper torque requirement. These wrenches all have angle heads, sized for 1/2", 7/16", 9/16" applications, and are designed with an ergonomic cushioned handle for user comfort and protection. These wrenches work in tightening mode only. Note: Speed Head wrenches are designed to act like a ratcheting wrench, skipping over corners of nuts/bolts (allowing for continuous turning).

SPECS	TWAF-71620	TWAS-71620	TWAF-1220	TWAF-91620	TWAF-71625	TWAF-1130	TWAF-71630
TORQUE	20 in-lb and 2.26 N-m				25 in-lb and 2.82 N-m	30 in-lb and 3.39 N-m	
WRENCH SIZE	7/16" (11.11 mm)	7/16" (11.11 mm)	1/2" (12.7 mm)	9/16" (14.29 mm)	7/16" (11.11 mm)	11 mm	7/16" (11.11 mm)
HEAD TYPE	Full	Speed	Full	Full	Full	Full	Full
QR CODE							

SPECS	TWAS-71630	TWAF-91630	TWAF-71640	TWAF-91640	TWAF-2244	TWAF-2288	TWAF-22176
TORQUE	30 in-lb and 3.39 N-m		40 in-lb and 4.52 N-m		44 in-lb and 5 N-m	88 in-lb and 10 N-m	176 in-lb and 12 N-m
WRENCH SIZE	7/16" (11.11 mm)	9/16" (14.29 mm)	7/16" (11.11 mm)	9/16" (14.29 mm)	7/8" (22 mm)	7/8" (22 mm)	7/8" (22 mm)
HEAD TYPE	Speed	Full	Full	Full	Full	Full	Full
QR CODE							





TWAFST-71622 TWAFST-71630 TWSW-40

Torque Wrenches with Attached Security Shield Tool

The security shield tool is permanently attached, 4 3/4" (120 mm), and pivots in 90-degree increments. These tools are ideal for hard to reach shielded F Connector fittings where a preset torque is required.

The **TWAFST-71622** is set at 22 in-lb and 2.49 N-m

The **TWAFST-71630** is set at 30 in-lb and 3.39 N-m

The **TWSW-40** is set at 40 in-lb and 4.52 N-m; can be used with any 3/8" drive sockets including **TWS-38/10**

SPECS	TWAFST-71622	TWAFST-71630	TWSW-40
DESCRIPTION	Torque Wrench w/ SST 7/16", 22 in-lb	Torque Wrench w/ SST 7/16", 30 in-lb	Right Angle Torque Wrench, Swivel Head, 40 in-lb
TORQUE	22 in-lb and 2.49 N-m	30 in-lb and 3.39 N-m	40 in-lb and 4.52 N-m
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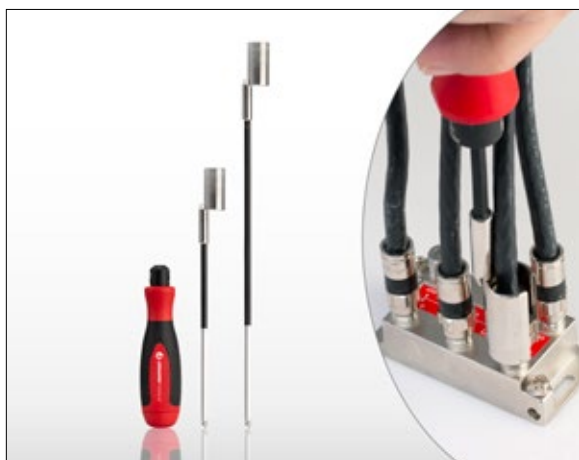


3/8" Socket For TWSW-40 - Pkg 10 - TWS-38/10

Designed to be used on 3/8" shield bond connectors with an appropriate driver, these sockets are perfect for communication cables and other ground connections.



TWS-38/10



Connector Torque Wrenches - CTW-7163812

Designed for torquing F connectors to a preset torque of 30 in-lb (3.4 N-m), this torque wrench is perfect for tightening or loosening F connectors in high-density locations.



CTW-7163812

This torque wrench includes:

- **CTW-H** F Connector Torque Wrench Handle
- **CTW-7168** F Connector Torque Wrench Shaft, 8"
- **CTW-71612** F Connector Torque Wrench Shaft, 12"
- **CTW-71638** F Connector Torque Wrench, 30 in-lb, 8" (includes **CTW-H** and **CTW-7168**)
- **CTW-716312** F Connector Torque Wrench, 30 in-lb, 12" (includes **CTW-H** and **CTW-71612**)
- **CTW-7163812** F Connector Torque Wrench, 30 in-lb, 8" and 12" (includes **CTW-H**, **CTW-7168**, and **CTW-71612**)

SPECS	CTW-H	CTW-7168	CTW-71612	CTW-71638	CTW-716312	CTW-7163812
LENGTH	5"	8"	12"	8.63" (21.91 cm)	13" (33.0 cm)	8.625" (21.91 cm) and 13" (33.0 cm)
PARTS INCLUDES	N/A	N/A	N/A	CTW-H and CTW-7168	CTW-H and CTW-71612	CTW-H, CTW-7168, and CTW-71612
QR CODE						



Speed Wrenches

Our **PATENTED** speed wrenches are designed to get your job done more efficiently. This line of speed wrenches is made to work on splitters, F Connectors, and all 7/16" connections. These wrenches are made of chrome vanadium steel, chrome plated, and polished to a high gloss finish.

Speed heads make tightening and loosening quick and easy while the circular hole in the tool allows you to add this to your carabiner and/or tool belt.

SPECIFICATIONS	ASW-12	ASW-716	ASW-916	ASW-R12	ASW-R716	ASW-7916	ASWS-716	ASWS-R716
DESCRIPTION	Angled Head Speed Wrench 1/2"	Angled Head Speed Wrench 7/16"	Angled Head Speed Wrench 9/16"	Speed Ratchet Wrench 1/2"	Speed Ratchet Wrench 7/16"	Speed Wrench Double End 7/16 & 9/16	Angled Speed Wrench Stubby 7/16"	Ratcheting Speed Wrench Stubby 7/16"
WRENCH TYPE	Speed	Speed	Speed	Combination, Speed, Ratcheting	Combination, Speed, Ratcheting	Speed	Speed	Combination, Speed, Ratcheting
QR CODE								



Combination Wrenches

These combination wrenches measure 7/16" at both ends and have an angled offset (15°) to ease access in confined areas. Chrome plated, polished to a high gloss finish and made of chrome vanadium steel. The ratcheting end of the **CWRR-716** allows you to toggle from tightening to loosening.

CWS-716 - Combination Wrench Stubby 7/16"

CW-716 - Combination Wrench 7/16"

CWRR-716 - Combo Wrench, Ratcheting, Reversible

OW-38716 - Open End Wrench 3/8" & 7/16"



CWS-716



CW-716



CWRR-716



OW-38716







Terminator Tools

Jonard creates tools for all kinds of locking terminators. Termination is essential when running cable to ensure a quality service and prevent theft. Our tools provide ergonomic handles for greater leverage and superior grip. Jonard termination tools are made of stainless steel and are available in several lengths and termination styles.

The **TT-7V** and **TT-7PT** have pronged ends on the shaft to work with pronged terminators.



SPECIFICATIONS	TT-4	TT-7PT	TT-7	TT-7V
DESCRIPTION	Terminator Tool 4"	Terminator Tool For PPC & T&B	Terminator Tool 7"	Terminator Tool With Prongs
TERMINATION STYLE	Spring Ears	Spring Ears	Spring Ears	Spring Ears, 2 Prong
USED ON	Gilbert Morlock, PCT LT, PPC PST, Signal Vision LT, Signal Vision SV-LTA	Gilbert Morlock, PCT LT, PPC PST, Signal Vision LT, Signal Vision SV-LTA, PPC 502, T&B CLF, TRL	Gilbert Morlock, PCT LT, PPC PST, Signal Vision LT, Signal Vision SV-LTA	Gilbert Morlock, PCT LT, PPC PST, Signal Vision LT, Signal Vision SV-LTA, Viewsonics 2 Prong, Viewsonics 3 Prong
LENGTH	4-1/2" (114.3 mm)	7-1/2" (190.5 mm)	8" (203 mm)	9" (228.6 mm)
QR CODE				



Cam Style Locking Terminator Tools

A Cam Style locking terminator tool for Corning Gilbert style terminators. Works on Gilbert NS-5762-3 (plus -9, -11, -13 & -15 terminators). High quality aluminum construction, blue color.



TTCG-6270-5 Locking Terminator Tool 5"

TTCG-6270-9 Locking Terminator Tool 9"



Trap And Security Combo Tool - TTS-716

Two tools in one - a trap wrench with a security wrench. The perfect tool for all standard traps and equally adaptable for all sizes of metal security shields (The security wrench fits all metal 7/16" hex fittings). Made of lightweight aluminum with a security socket made of hardened steel for longer life.



TTS-716

2 Prong termination style.



Terminator Tool For PPLT-75 & PPLT-LR - TT-PPLTT4

This terminator tool is designed for use with PPLT Series locking terminators, specifically the **PPLT-75** and **PPLT-LR**. Specially designed to overcome problems of theft and tool breakage. Loop for clipping to belt. Plunger diameter .218". Aluminum body.



TT-PPLTT4



Barrel Lock Plunger Key - TTB-6

The **TTB-6** Barrel Lock Plunger Key is compatible with barrel locks with inside diameters ranging from 0.176" to 0.196" made by Channell, Highfield and Inertite. Works on Channell LK03029817, Highfield 93180775-S and used in CATV Pedestal Applications.



TTB-6

This key may also fit other locks used in the electric, gas and water utilities.

Know your lock size before purchasing.



Barrel Lock Plunger Key Size #6 - TTBW-158

Specifically designed to unlock Highfield 93180128 and 93180124 locks, this #6 key is able to unlock utility box locks with inside diameters of 0.158".



TTBW-158



Outer Conductor Flaring Tool - FT-2075

Designed to flare the outer conductor on Eupen7168, A7168 and CommScope CA519 75 ohm corrugated copper cable. Handle is sized to make gripping and flaring easier and more comfortable, and flaring feature has a black oxide finish. 4 1/8" long.



FT-2075



Flaring & Insertion Tool - FT-6

The flaring end of the tool facilitates the expansion of the cable providing easier insertion of "F" connectors. The insertion end makes "F" connector insertion fast and easy, even in cold weather. This tool is recommended for use on polyethylene jacketed cables and plenum cables, and is especially helpful when using tri-shield and quad-shield cables. 4 1/4" long.



FT-6



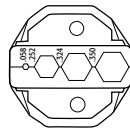
Crimper with COAX Die - UC-8012

Designed for use with RG-59/RG-6 CATV "F" connectors, this crimper is the perfect tool for crimping COAX connector collars.



UC-8012

Kit includes:



Universal Crimper
Without Die
UC-8000



COAX
Crimping Die
UCD-2045





Star Keys & Star Key Slam Lock Sets

The SSK-716 can wrench is specifically designed to work with all of our SSK Series Keys. The SSK-716 can wrench has two 7/16" hex sockets 1 1/2" deep on either end and can be used to open enclosures that require a 7/16" socket.



SSK-716

Star Key Kits:

SPECIFICATION	SSK-950	SSK-876	SSK-850	SSK-900	SSK-750	SSK-800	SSK-700
SSK-716 CAN WRENCH	X	X	X	X	X	X	X
SSK-85	X	X	X				
SSK-90 P-KEY	X			X			
SSK-75		X			X		
SSK-80						X	
SSK-70							X
QR CODE							

For authorized personnel only.

Star Keys:

SPECIFICATION	SSK-70	SSK-75	SSK-80	SSK-85	SSK-90
KEY PATTERN	LB 8 point star & LK flower	LC 7 point star & LG flower	LB 8 point star & LG flower	LB 8 point star & LS 5 point star	P Key
QR CODE					



P Key For Self Lock Pedestal Lock - TTK-225

This P Key is designed to work with Channell Locks and other similar pedestal locks. This P key fits many popular pedestals and opens most heavy duty spring lock cabinets. Also referred to as a skeleton key, made of brass and fits easily on a key chain. For authorized personnel only.



TTK-225



Pocket Continuity Tester & Toner - PT-300

Designed to identify cables in an MDU and detect troublesome short circuits, this pocket continuity tester and toner is perfect for testing cables up to 5,000 ft (1,500 m) on the go.

Replacement Speaker for Pocket Toner: **PT-350** Piezo Speaker



PT-300



Non-Contact Dual Range Voltage Detector Pen, 24-1000VAC & 90-1000VAC W/LED Flashlight - VT-1100

Designed to identify the presence of AC voltage in outlets, switches, circuit breakers, fuses, wires, and cables, this voltage tester is the perfect tool for verifying low and high voltage in live circuits.

High Voltage Detection between 90 to 1000 VAC
Low Voltage Detection between 24 to 1000 VAC



VT-1100



Cable Mappers & Toners

Find and identify multiple coax cables in main cable boxes. For use on COAX Cables for CATV, Satellite Installations, Audio Video Equipment, CCTV and Security & Alarm Installations. These COAX cable Mappers & Toners are designed to quickly find and identify multiple cables and easily map runs to and from a central cable bundle.

CM-8 Kit contains:

Cable Mapper & Toner, **CMI-SET8** 8 Cable Identifiers (numbered & color coded), 2 Alligator Clip Sets, Rugged Nylon Case & Instruction sheet

CM-17 Kit contains:

CM-8 Cable mapper & toners 8 Way kit & **CMI-RJ45** RJ45 Adapters (Pack of 9)



CM-8



CM-17



CMI-RJ45

CMI-SET8



Modular Cable Tester - MCT-468

The **MCT-468** is designed to check and troubleshoot the pin connections of RJ45, RJ12, and RJ11 connectorized cables. It is ideal for testing the continuity of a cable with RJ11 or RJ45 connectors prior to installation.



MCT-468



Telephone Butt Set with ABN, Analog - TBS-100

Designed to facilitate the installation, service, and maintenance of analog telephone lines, this telephone butt set has all the essential functions for testing telephone lines such as detecting dial tone, making and receiving calls, and tone and pulse modes.



TBS-100



Cable Tester Tone & Probe Kit - TETP-800

Designed to quickly trace and identify cables, wires, and wire pairs, the Jonard Tools **TETP-800** tone and probe kit is the perfect kit for any Voice Data Video (VDV) professional.



TETP-800

Kit includes:

- **TEP-100** Tone Tracing Probe
- **TET-600** Cable Tester & Toner



Cable Tester Tone & Probe Kit+ w/ ABN - TETP-901

Designed to identify and test the continuity of RJ45, BNC, and F coaxial cables along with 6P2C/4P2C jacks, this multi-function cable tester tone and probe kit is the perfect kit for any Voice Data Video (VDV) professional. This kit features the following:



TETP-901

Kit includes:

- **TET-700BC** Cable Tester & Toner+ w/ ABN
- **TEP-200** Tone Tracing Probe+
- **TET-6** Accessory Kit for Cable Testers & Toners+



Compact BNC Connector Tool - RBNC-3

Designed to provide easy access to BNC connectors, this 3" BNC Connector Tool is perfect for installing or removing BNC connectors in high-density locations.



RBNC-3



Connector Tools

The **RBNC-12** is designed to install or remove BNC connectors in high-density locations. The **RF-12** and **RF-18** perform the same function but for F connectors and feature an insertion device on the back of the handle to aid in making connections.



RBNC-12



RF-12



RF-18



Security Shield Tools

SST-716 Security Shield Tool 7/16" & **SST-716AT** Security Shield Tool Water Tight are used with 7/16" hex shielded F Connectors. Design includes extended 7/16" shank for ease of use with Torque Wrenches in security shield applications. Black oxide finish. Knurled handle for secure gripping and includes a steel loop for turning leverage and carrying.

SST-916 Security Shield Tool 9/16" is used with 9/16" hex F Connectors. Nickel plated finish. Loop attachment to allow for connecting to your key ring or carabiner for easy access. Shaft length 1.625".



SST-716



SST-716AT



SST-916



Low Torque Termination Tool - TT-812

This **PATENTED** indoor torque tool tightens F-connectors to consumer electronic devices with the proper amount of torque 8 in-lbs to 12 in-lbs, 1 3/8" long.



TT-812

MADE FOR LIFE®

CABLE INSTALLATION



Adjustable Round Hole Cutter, 2.2"-10" - AHC-10

The Jonard Tools **AHC-10** adjustable hole cutter is designed for cutting round holes in ceilings, walls, and floors and is the perfect tool for installing recessed speakers, lighting, or other round objects.

Replacement Blade Set for **AHC-10** (Pack of 2): **AHC-10RB**



AHC-10



Cable Comb™ Cable Organizing Tool - CCB-25

Jonard Tools' Cable Comb™ Cable Organizing Tool substantially reduces the amount of time it takes to straighten, organize, and lash multiple cables together with ease.



CCB-25



Telescoping Pole (18 Feet) - RDT-18K

The **RDT-18K** is the perfect tool to install or retrieve a cable in drop ceilings or other hard to reach places. This Telescoping Pole is self-supporting, so it is perfectly suited for spanning ceilings and voids to route or retrieve cable. Simply grab the wire with our hook and expand or contract the pole as needed.



RDT-18K



Accessory Replacement Kit For RDT-18K - RDT-3RH

Three piece accessory kit for **RDT-18K**.

Kit includes:

- **RDC-35** C Hook
- **RDK-5** K Hook
- Adapter for use in tight locations



RDT-3RH



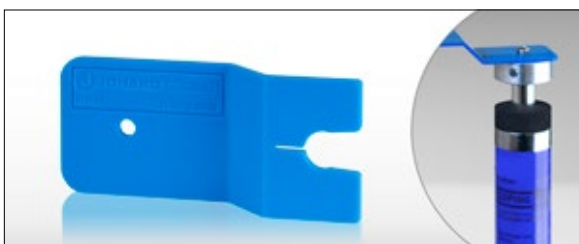
Magtime™ Magnetic Cable Holder (Pkg 25) - MF-25/25

Made with neodymium magnets, these magnetic cable holders are ideal for installing cables on high ceilings or other places quickly and easily. These magnetic holders feature the following:

- Compatible with our **RDT-18K** Telescoping Pole and **MF-45** Magtime Cable Pole Bracket to hang wires in high places
- **MF-25/10** 10 pack available



MF-25/25



Magtime Cable Pole Bracket - MF-45

The **MF-45** is the **RDT-18K** Telescoping Pole adapter to be used with the **MAGTIME** series of magnetic cable holders to place in locations typically requiring a ladder or other lifting device. The **MF-45** is made from Tough ABS plastic and is flexible to allow for ease of use and rugged enough to withstand accidentally being dropped from heights over 10ft.





MF-45



Fish Tapes

These **PATENTED** fish tapes use a 1/8" wide x 1/16" thick steel tape with permanent laser-etched measurement markings (in English and metric units) every foot (0.3 m) to assist in the process of pulling wire or cables.

SPECIFICATIONS	FTS-50	FTS-240
DESCRIPTION	Fish Tape 50 Feet	Fish Tape, 240 Feet
DIMENSIONS	1/8" (3.2 mm) wide x 1/16" (1.6 mm) thick x 50 feet (15.2 m)	1/8" (3.2 mm) wide x 1/16" (1.6 mm) thick x 240 feet (73.2 m)
WEIGHT	2.5 lbs (1.13 kg)	6.8 lbs (3.08 kg)
QR CODES		

MAGNETRIEVER™



MagneTrievery™ - MRS-24

The perfect tool to help fish wires through walls.



MRS-24



7/32" diameter head with magnet



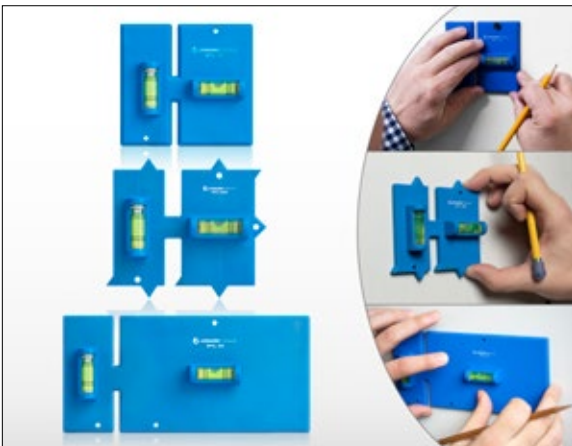
5/16" diameter head with larger magnet

Kit includes:

- 24" Flexible Magnetic Retriever
- **MRS-BC10** 10' ball chain with 3/4" stop ring
- **MRS-RH20** Expandable Retriever Hook
- Storage Pouch

Easy to use:

- Drill a hole in the wall or attic plate less than 3/4"
- Drop ball chain in the hole, the 3/4" ring stop will keep the chain from falling through
- Make a roughly 1/23" hole at the wall
- Use blue magnetic retriever to find the chain and use the **MRS-RH20** hook to help pull chain through hole



Wall Templates & Levels

Designed specifically for cutting out old work boxes, this wall template level is perfect for ensuring the boxes are level every time.

SPECIFICATIONS	WTL-12	WTL-32M	WTL-34
DESCRIPTION	Wall Box Template & Level for Non-Metallic Boxes, 1-Gang and 2-Gang	Wall Box Template & Level for Metal Boxes, 1-Gang and 2-Gang	Wall Box Template & Level for Non-Metallic Boxes, 3-Gang and 4-Gang
ELECTRICAL BOX TYPE	Non-Metallic, Old Work	Metallic, Old Work	Non-Metallic, Old Work
NO. OF GANGS	1-Gang, 2-Gang	1-Gang, 2-Gang	3-Gang, 4-Gang
QR CODE			



Electrical Wall Box Cutters

Cuts drywall in seconds making installation of electrical boxes fast and easy. The **EBC-400** cuts a 2 3/8" x 3 3/4" hole for single gang boxes and the **EBC-800** cuts a 4" x 3 3/4" hole for double gang boxes.



EBC-400

Available Kits:

- **EBW-412** kit includes the **WTL-12** and **EBC-400**
- **EBW-812** kit includes the **WTL-12** and **EBC-800**






EBC-800

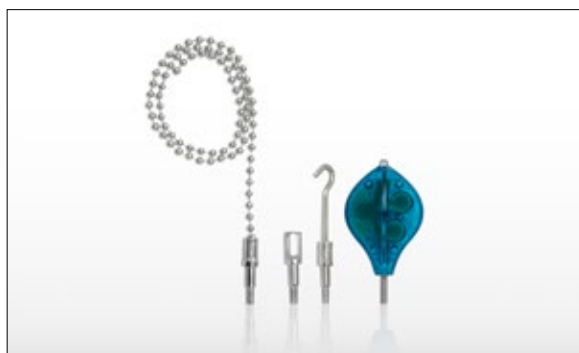


Glow Rods - Various kits available.

Glow Rods and Accessories

These glow rods are 3/16" in diameter with medium flexibility and 8-32 size threads. The rods are made of luminescent fiberglass and the connectors are made of stainless steel. The **RDG-FLW WhiskLight™** is included in the **RDG-RP4A** accessory kit (and the **RDG-15A** and **RDG-30A**) and is sold separately.

SPECIFICATIONS	RDG-15A	RDG-30A	RDG-9
OVERALL LENGTH	15 ft (4.57 m)	30 ft (9.14 m)	9 ft (2.74 m)
INDIVIDUAL GLOW ROD LENGTH	5 ft (1.52 m)	5 ft (1.52 m)	1.5 ft (0.457 m)
# OF RODS	3	6	6
INCLUDED ATTACHMENTS	RDG-RP4A	RDG-RP4A	NA
WEIGHT	1.18 lb (0.535 kg)	1.18 lb (0.535 kg)	0.617 lb (0.28 kg)
WEIGHT PER GLOW ROD	0.160 lb (0.0726 kg)	0.160 lb (0.0726 kg)	0.073 lb (33 g)
QR CODE			



4 Piece Glow Rod Attachment Replacement Kit+ - RDG-RP4A

This replacement kit contains 4 attachment heads: Eyelet, Ball Chain, **RDG-FLW WhiskLight™**, and Hook.



RDG-RP4A



WhiskLight™ - RDG-FLW

Designed to illuminate dark areas and guide glow rods through acoustical ceilings or crawl spaces, the **WhiskLight™** is the perfect flashlight or whisk attachment head for glow rods and fish sticks.



RDG-FLW



Turn your phone into a smart tool



FERRET TOOLS WIRELESS INSPECTION CAMERA AND CABLE PULLING TOOL KIT

Designed and engineered by Ferret Tools, these durable inspection cameras give you eyes inside hard to reach locations. Ideal for pulling cable in walls, ceilings, or any enclosed space.

All models feature:

- Built-in WiFi hotspot, wireless & rechargeable
- Built-in rechargeable battery
- IP67 dustproof & waterproof
- Free & easy to use Ferret App
- Record photos and videos
- 720p HD streaming
- Adjustable bright white LEDs
- Digital zoom



Cell phone Wrist band - CWB-11
(Only included with the Ferret Pro & Ferret Plus)

FERRET RANGE	FERRET LITE [®]	FERRET PRO [®]	FERRET PLUS [®]
Built-in WiFi hotspot, wireless & rechargeable	✓	✓	✓
IP67 rated (Dustproof & waterproof)	✓	✓	✓
Wireless range up to 50' (15 m)	✓	✓	✓
Digital zoom (For close up viewing)	✓	✓	✓
Adjustable bright white LEDs (For better visibility)	✓	✓	✓
Save photos & video to smart device	✓	✓	✓
Always up viewing function	✓	✓	✓
Operating time 60-90 mins	✓	✓	✓
Suitable for cable pulling	✓	✓	✓
1 hr fast charge to 95%	✗ (1.5 hrs)	✓	✓
Able to change resolution and WiFi channel	✗	✓	✓
Variable focus lens (720p HD)	✗ (Fixed Focus)	✓	✓
On board memory (Record out of WiFi range)	✗	✗	✓
Built-in non-contact voltage detector	✗	✗	✓



Ferret Lite
(Part # CF-100)

The Ferret Lite is a general-purpose high quality inspection camera that gives eyes inside hard to reach locations. It includes award-winning handy features with the addition of the always up viewing mode to help with intuitive inspections.

Key features:

- Ferret always up viewing mode



Ferret Pro
(Part # CF-200)

The Ferret Pro is a professional & durable next generation inspection tool designed and engineered with award-winning features to provide easier, faster & safer visual inspections. Includes App controlled variable focus lens and super-fast charge.

Key features:

- Ferret always up viewing mode
- App controlled variable focus
- Super fast charge






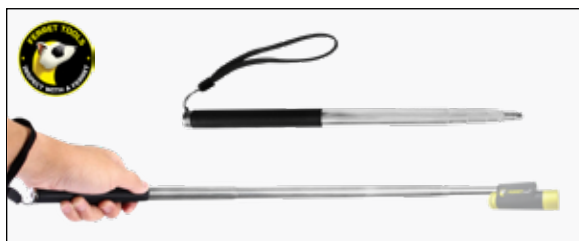
Ferret Plus
(Part # CF-300)

The Ferret Plus brings you the ultimate innovation in inspection technology. Includes built-in (on board) memory and the first ever non-contact voltage detector that is not handheld to help detect live cables from a greater reach than ever before.

Key features:

- Ferret always up viewing mode
- App controlled variable focus
- Super fast charge
- Built-in (on board) memory
- Non-contact voltage detector

MODEL	FERRET LITE	FERRET PRO	FERRET PLUS
PART #	CF-100	CF-200	CF-300
DIMENSIONS	3 3/4" long x 1" wide (94mm x 24mm)	3 1/5" long x 1 1/4" wide (80mm x 32mm)	3 1/5" long x 1 1/4" wide (80mm x 32mm)
CHARGE UP TIME	~100 minutes	~80 minutes (95% charged in 60 minutes)	~80 minutes (95% charged in 60 minutes)
CWB-11 WRIST STRAP	No	Included	Included
NON-CONTACT VOLTAGE DETECTOR SENSOR RANGE	NA	NA	50V-600V AC (approx.)
QR CODE			



Ferret Stick
(Part # CFST-55)

An extendable rod made of rust resistant lightweight stainless-steel frame and non-slip rubber handle with a secure wrist strap at the bottom that offers excellent durability and versatility, both in terms of its length and construction.

This tool extends up to 55" (140 cm) with 1/4 - 20UNC thread, which is compatible with the Ferret Lite, Ferret Pro and Ferret Plus.



CFST-55


MM-800

MM-110

MM-120

Magnamole Magnetic Cable Guide Kit - MM-800

PATENTED Magnamole magnetic cable retrieval system

SPECIFICATIONS	MM-110	MM-120
DESCRIPTION	Replacement Magnets	Replacement Magnets
CAP COLOR & CABLE DIAMETER	(Red) 0.169" to 0.205" (Blue) 0.230" to 0.295"	(White) 0.145" to 0.169" (Gray) 0.173" to 0.201" (Black) 0.205" to 0.232
CABLE USED WITH	CAT5 RG6, RG6 TRI, RG6 Quad	CAT3, 3.1 mm Simplex Fiber Optic Cable, CAT5, CAT5e RG59, 12AWG Romex
QUANTITY	Includes 3 magnetic caps of each color	Includes 2 magnetic caps of each color



Steel Cable Caddies

These sturdy cable caddies are constructed of 0.06" thick tubular steel that is 7/8" in diameter. They are 21" (533.4 mm) wide, 27" (685.8 mm) in height, and have a spool rod diameter of 5/8" (15.8 mm). They can hold spools up to 20" (50.8 cm) in diameter. The **CC-2721** is the standard model and the **CC-2721WS** features wheels and a strap.


CC-2721

CC-2721WS


Reference Point Locator - MP-800

Drill or cut through walls with complete location certainty. A two component kit (transmitter & locator) allows you to pinpoint the exact location to drill or cut through a wall. Place the transmitter on one side of the wall and from the opposite side watch as the receiver draws you to the exact location of the transmitter. Mark the spot and drill. Accurate to within 1/2" and up to 40 inches away. Kit includes: Transmitter, Receiver, 2 9V Batteries, Tack Adhesive, Carrying Case. **PATENTED.**


MP-800


Electrical Knockout Kit - WBK-100

Remove panel knockouts from electrical panels embedded in drywall without cutting holes in the drywall. For use on electrical, security, alarm and datacom panels. **WARNING: DO NOT USE KIT NEAR LIVE CIRCUITS. INTENDED FOR USE BY LICENSED PROFESSIONALS.**


WBK-100

PATENT PENDING. Lifetime Warranty.



HDMI Cable Tester - HDMI-100



HDMI-100

Designed to test HDMI and Mini HDMI cables with ease, this HDMI Cable Tester is the perfect tool for evaluating HDMI cables that may have shorts, open circuits, or have wire pairs in the wrong order. This HDMI tester features the following:

- Perfect for use on 1.2V, 1.3V, 1.4V, 2.0V HDMI or Mini HDMI cables
- Scan mode allows you to see each individual connection being tested
- Full Display mode shows all of the tested connections at once
- Remote can be detached from the main unit, allowing you to quickly and easily test HDMI cables that are installed or very long
- Auto-shutdown function after 10 minutes helps preserve battery life
- Includes (1) 9V battery required for operation



Magnetic Cable Retrieval System - MP-700



MP-700

A magnetic cable retrieval system which couples the cable with the pulling device through drywall, allowing the user complete control. Designed for both residential and commercial applications. Pulls cables through insulation in seconds. Reduces cable fishing time by 70%. Eliminates wall damage from misplaced holes in the wall. Makes wire fishing a definable process. Kit includes: Retriever Unit, 3/4" Drop Magnet with pull line Jack Chain, Convenient Carrying Case. **PATENTED.**

JONARD P/N	DESCRIPTION
MP-700	Magnetic Cable Retrieval System
MP-100	1/2" Drop Magnet Without Leader
MP-210	3/4" Drop Magnet W/ Leader
MP-220	3/4" Drop Magnet W/ Leader





Straight Metal Needle - JIC-284

This "Chicago type" straight metal needle is designed for cable sewing. This tool, made of the finest steel is for anyone in the cable industry.

Needle is .016" thick and 12" long.



JIC-284



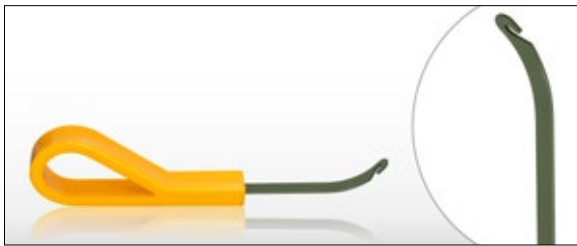
Metal Cable Sewing Needle - JIC-287

This Cable Lacing Needle (aka Cable Sewing Needle) has a durable red anodized aluminum handle with curved notched sewing needle. Designed to harness or lace multiple lead bundles.

Replacement Needles: **RB-287/6** (Pkg of 6)



JIC-287



Insulated Cable Sewing Needle - JIC-3209

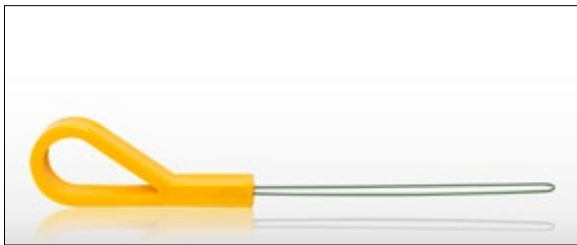
Xylan insulated cable lacing needle is designed to harness or lace multiple lead bundles. Yellow lightweight molded grip handle.

The tip is made of Spring steel and coated with a xylan insulative coating.

5 1/2" long.



JIC-3209



Insulated Wire Loop Puller - JIC-2257

Xylan insulated wire loop puller facilitates pulling wire through terminal blocks, rings on main frame, or fanning strip holes. The yellow plastic lightweight handle fits snugly and is easy to hold in your hand.

8" long.



JIC-2257



Metal Wire Loop Puller - JIC-2257M

This Wire Loop Puller has a durable red anodized aluminum handle. Tool is designed to facilitate pulling wire through terminal blocks, rings on main frame or fanning strip holes. Loop is 4 1/2" long. Overall length 8 1/2".

Replacement Loops: **RB-2257/6** (Pkg of 6)



JIC-2257M



Metal Wire Loop Puller 12" Long - JIC-2257M-12

Durable red anodized aluminum handle facilitates pulling wire through terminal blocks, rings on main frame or fanning strip holes. Loop is 12" long. Overall length 15". Loop is crimped for a narrower profile and easier use in tight terminal blocks.

The loop is **coated with blue Xylan** to prevent shorts and electrical shocks.



JIC-2257M-12

SOLAR



Crimper for Solar Panel Contacts w/ Included MC4 Die - SPC-MC4



SPC-MC4

Designed to crimp **MC4 connectors** onto 14, 12, or 10 AWG (2.5 / 4.0 / 6 mm²) solar panel wire, the **SPC-MC4** solar panel crimper is the perfect tool for installing and maintaining solar panel connectors. This crimper features the following:

- Parallel jaws with adjustable pressure-regulating gear and self-locking design crimp solar panel connectors perfectly every time
- Built-in ratchet makes crimping quick and easy
- Made of hardened carbon steel with a black oxide finish for strength and durability
- Dual component grip provides greater comfort and ergonomics
- Includes **SPD-MC4 crimping die**, and is compatible with our **SPD-MC3 crimping die**

Solar Panel MC3 Crimper Die **SPD-MC3**



Solar Panel MC4 Crimper Die **SPD-MC4**



SPECIFICATIONS	SPD-MC3	SPD-MC4
DESCRIPTION	Solar Panel MC3 Crimper Die	Solar Panel MC4 Crimper Die
CONNECTOR TYPE	MC3 Connectors	MC4 Connectors
DIMENSIONS:	1.28" x 1.40" x 0.391" (32.5 mm x 35.7 mm x 9.91 mm)	1.28" x 1.40" x 0.391" (32.5 mm x 35.7 mm x 9.91 mm)

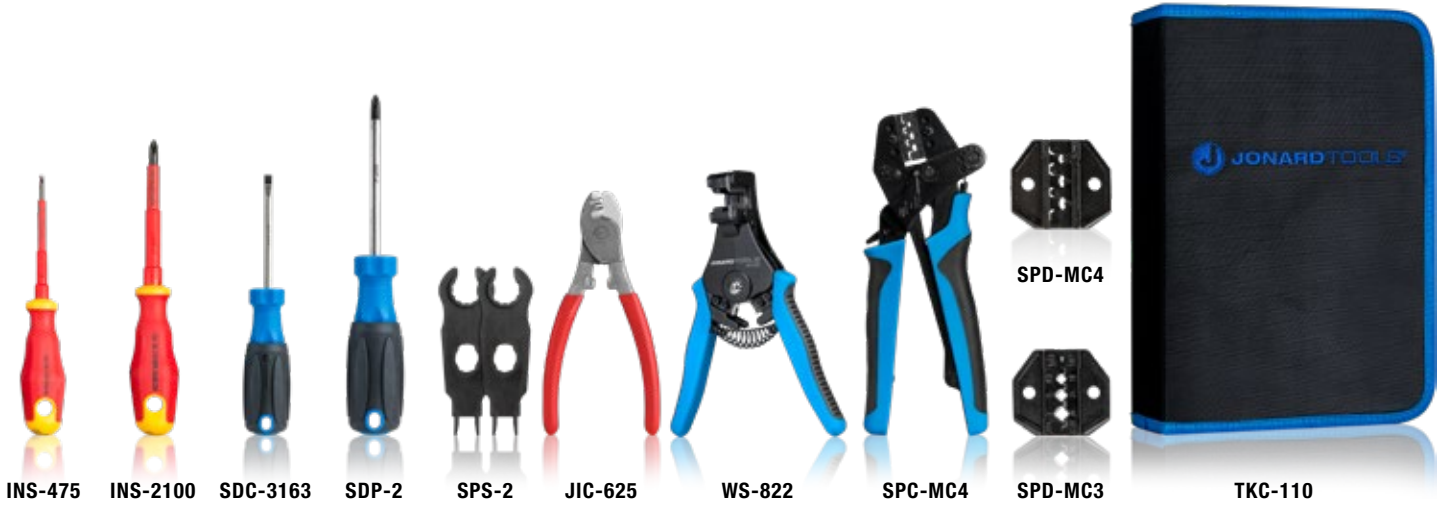


Solar Panel Spanners for MC4 Connectors (Pack of 2) - SPS-2



SPS-2



Designed to lock and unlock **MC4 connectors** for termination or removal, these solar panel spanners are ideal for solar panel installers when terminating or replacing a new **MC4 solar panel connector**.



Solar Panel MC3 & MC4 Crimping Tool Kits

These kits are designed to facilitate the installation and maintenance of solar panels and include a variety of tools to make the job quick and easy.

Kit includes:

JONARD P/N	DESCRIPTION	SPK-90	SPK-100
SPD-MC3	Solar Panel MC3 Crimper Die	X	X
SPC-MC4	Solar Panel Crimper with Included MC4 Die	X	X
JIC-625	Copper COAX & Network Cable Cutter	X	X
TKC-110	Rugged 11 Pocket Tool Case	X	X
WS-822	Wire Stripper and Cutter, 8-22 AWG	X	X
SPS-2	Solar Panel Spanners for MC4 Connectors (Pack of 2)	X	X
SDP-2	Phillips Screwdriver, #2 x 4"	X	
SDC-3163	Cabinet Slotted Screwdriver, 3/16" x 3"	X	
INS-2100	Phillips Insulated Screwdriver, #2 x 4"		X
INS-475	Cabinet Slotted Insulated Screwdriver, 1/8" x 3"		X
QR CODE			



HAND TOOLS

Jonard Tools has engineered premium hand tools since 1958. All our tools are designed to provide industry solutions and undergo quality testing to ensure our Made For Life® lifetime warranties.

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PLIERS

All Jonard pliers are heat treated and made of chrome vanadium or high carbon alloy steel for increased strength and precision cutting. These ultra durable pliers have machine cut edges to provide exceptionally smooth action and are made to exceed ASME/ANSI standards.



Copper COAX & Network Cable Cutter - JIC-625

The **JIC-625** is designed to cut all types of soft copper coax and network cables. Will cut solid, stranded and flexible cables to 6 AWG. Not for use on steel, aluminum alloys or hard drawn copper cables.

Jaw Thickness: 0.4" (10.2 mm), Overall Length: 6 1/2" (165 mm)



JIC-625



COAX Cable Cutter Steel - JIC-725

A plier designed specifically for coax cables with a steel center conductor. This plier has been tested (over 25,000 cuts) on cables with steel centers, and specifically CCSC (copper clad steel center) conductor cables without degradation to the cutting blades. Plier will also cut many other cable types.

Jaw Thickness: 1/4" (6.35 mm), Overall Length: 6 1/4" (158.75 mm)



JIC-725



3/4" COAX Cable Cutter - JIC-750

NOT designed to cut steel cable. Also known as a Banana Cutter, this cutter is designed to cut up to 3/4" hard line coaxial cable as well as larger fiber cables. Tool cuts cleanly without compressed or frayed ends. Functions like a tube cutter - eliminates cable distortion during cable prep.

Cable Diameter: 3/4" (19.05 mm), Overall Length: 8 3/4" (222 mm)



JIC-750



1" COAX Cable Cutter - JIC-755

Designed to cut up to 1" coaxial cable. This tool works like a tube cutter to eliminate cable deformation during cable preparation. Tool provides precision one-handed cutting action. Not designed for ACSR or other steel cables.

Cable Diameter: 1" (25.4 mm), Overall Length: 8 1/4" (165 mm)



JIC-755



Plier, Diagonal, Cutter, 8" - JIC-2288

Crafted for heavy-duty wire cutting and use for the most demanding applications, precision machined cutting edges provide exceptionally smooth action.

Jaw Length: 7/8" (22.2 mm), Overall Length: 8 1/4" (209 mm)



JIC-2288



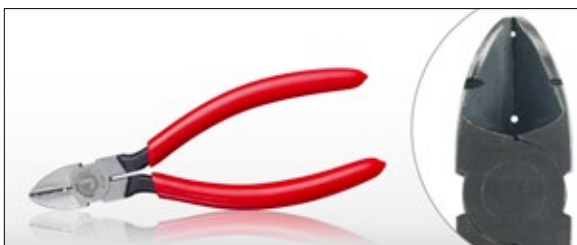
High Leverage Diagonal Cutter Curved - JIC-2488

Crafted with a 13° angled head for heavy-duty wire cutting in confined spaces. Use for the most demanding applications, precision machined cutting edges provide exceptionally smooth action.

Jaw Length: 13/16" (20.6 mm), Overall Length: 8" (203 mm)



JIC-2488



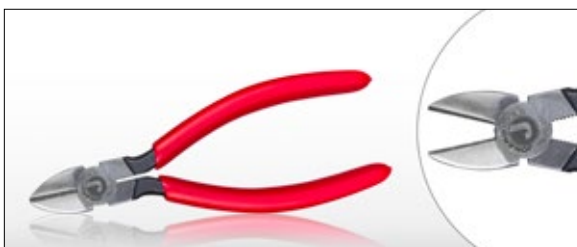
Telecom Diagonal Cutter Pliers - JIC-7858

Tapered nose diagonal cutting pliers with standard bevel knives with .030" and .045" skinning holes, with crusher used for multi-purpose wire work, with two V-shaped stripping notches. The comfortable handles are red plastic dipped.

Jaw Length: 7/8" (22.2 mm), Overall Length: 6 1/4" (158 mm)



JIC-7858



Diagonal Cutter Pliers, Tapered Nose - JIC-600

Tapered nose diagonal cutting pliers with standard bevel knives. Includes crusher for multi-purpose wire work. The handles are red plastic and 6 1/4" long. Made to exceed ASME/ANSI standards.

Jaw Length: 7/8" (22.2 mm), Overall Length: 6 1/4" (158 mm)



JIC-600



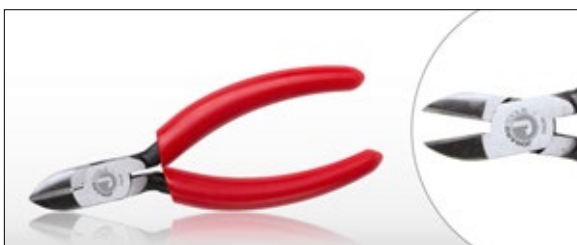
Diagonal Pliers Crushing Slitting - DIABVNOTCH

Used for cutting soft copper conductors. Has a "V" shaped notch between jaws, near the joint, for crushing the flameproof type of insulation on distributing frame wire. Also provides a "W" shaped notch on the pliers jaws for slitting textile insulation.

Jaw Length: 3/4" (19.1 mm), Overall Length: 5 1/8" (130 mm)



DIABVNOTCH



Diagonal General Use Pliers - DIAGB5

These are plain diagonal pliers for general use, including cutting soft copper conductors.

Jaw Length: 3/4" (19.1 mm), Overall Length: 5 1/8" (130 mm)



DIAGB5



Diagonal Stripping Pliers - DIAGB6

Tapered nose diagonal cutting pliers with standard bevel knives with one .045" hole, crusher used for multipurpose wire work, and two V shaped stripping notches.

Jaw Length: 7/8" (22.2 mm), Overall Length: 6 1/2" (158 mm)



DIAGB6



Flush Cut Plier - JIC-2755

Made of high carbon steel, this lightweight flush cutter can be used on wire up to 18 AWG while minimizing fly-off. Cantilevered spring automatically opens the plier, and the head fits easily in confined work areas.

Jaw Length: 1/2" (12.7 mm), Overall Length: 5" (127 mm)



JIC-2755



Semi-Flush Cut Pliers - JIC-453

A close cutting pliers used to trim conductors from the 710 connector modules without leaving exposed conductors. Ideal for close trimming of gates and sprue on injection molded plastic parts. Jaw design aids in use in confined areas.

Jaw Length: 5/8" (15.9 mm), Overall Length: 4 1/2" (114 mm)



JIC-453



9" Curved Jaw Cable Cutter - JIC-63020

High leverage design for superior cutting ability. The curved jaws provide superior holding for a cleaner and more concentric cut. Tool is for cutting aluminum and soft copper and not for use on steel or ACSR type cables. The shear type jaws cuts up to 100-pair cables (24 AWG). Lock has a unique feature where lock is released by squeezing handles together.

Jaw Length: 1" (25.4 mm), Overall Length: 9" (228 mm)



JIC-63020



High Leverage Cable Cutter - JIC-63050

High leverage design for superior cutting ability. Designed with a shear-type jaw for cutting aluminum and soft copper. Not for use on steel or ACSR type cables. Cuts up to 100-pair cables (24 AWG).

Jaw Length: 1 3/8" (34.93 mm), Overall Length: 9 1/4" (234 mm)



JIC-63050



Lineman's Side Cut Pliers - JIC-683

Designed for heavy duty use in construction and maintenance work. These pliers are high leverage for cutting bolts, nails, and many gauges of wire including high-strength wire. Cutting edges cut clean and remain sharp. The cushioned-grip, comfortable handles are red plastic dipped to approximately .007".

Cutter Length: 13/16" (20.64 mm), Overall Length: 9 1/2" (241 mm)



JIC-683



Lineman's Plier W/ Fish Tape Puller & Crimper - JIC-685

Designed for heavy duty use in construction and maintenance work. These pliers are high leverage for cutting bolts, nails, and many gauges of wire including high-strength wire. Fish tape pulling feature easily pulls 1/8" or 1/4" steel fish tape without damaging the tape. Built in crimper feature works best on non-insulated connectors, lugs and terminals. Cushioned grip, comfortable handles are red plastic coated to approximately .007".



JIC-685

Cutter Length: 3/4" (19.05 mm), Overall Length: 9 1/2" (241 mm)



Connector-Crimper Pliers - JIC-891

Connector-Crimping Pliers with Side Cutters designed to press UG, UR, UY, 709 series connectors, crimping "B" type connectors, and AMP tel splice connectors. A special stop behind cut out prevents damage to connectors. Utilized on combinations of plastic and pulp insulated 19, 22, 24 and 26 gauge copper conductors as well as 20 gauge plastic insulated copper steel wire. Comes with side cutter and yellow handles.



JIC-891

Jaw Length: 1" (25.4 mm), Overall Length: 5 3/16" (131 mm)



Long Nose Switchboard Plier - JIC-203

Pliers are for general use looping, bending and cutting. Grips small wires and parts and reaches into tight spaces. Jaws are knurled, serrated and have side cutting blades. Two stripping holes for 19 & 22 AWG wire. Cushion gripped yellow plastic handles.



JIC-203

Overall Length: 6 7/8" (174 mm)



Telecom Long Nose Pliers - JIC-21257

This Long nose pliers has side cutting blades, a crushing slot, one .030" stripping hole, and a thin knurled nose to facilitate handling of the wire at the central office terminals. The comfortable handles are yellow plastic dipped.



JIC-21257

Jaw Length: 1 7/8" (47.63 mm), Overall Length: 6 7/8" (174 mm)



Combo Crimper, Long Nose Pliers - JIC-22148

Five tools in one. Combines the functionality of a long nose plier with a crimper, stripper, cutter, and crusher. Crimper works for UR/UY/UG, AMP tel splice connectors, 709 series connectors, and crimping "B" type connectors. Stripping hole is .030". See website for more details.



JIC-22148

Jaw Length: 1 7/8" (47.63 mm), Overall Length: 6 7/8" (174 mm)



Curved Long Nose Plier - JIC-3026

Nose is bent 70° for maximum visibility. Used in confined areas. Design includes knurled jaws for sure wrapping and looping. Comfortable ergonomic plastic handles.



JIC-3026

Jaw Length: 2" (50.80 mm), Overall Length: 6 7/8" (174 mm)



Long Nose and Side Cutting Pliers - JIC-842

Pliers are for general use looping, bending and cutting. Grips small wires and parts and reaches into tight spaces. Jaws are knurled, serrated and have side cutting blades. Cushion gripped yellow plastic handle.

Jaw Length: 1 ⁷/₈" (47.63 mm), Overall Length: 6 ³/₄" (171 mm)



JIC-842



Long Nose General Use Pliers - BLONGNOSE

Chain nose pliers for general use. Inner surface of the jaws are knurled near the end to facilitate gripping wire, binding post nuts etc. Red plastic handle.

Jaw Length: 2" (50.8mm), Overall Length: 6 ⁷/₈" (174 mm)



BLONGNOSE



Short Nose B Type Plier - BSHORTNOSE

Intended for use in skinning 22-24 AWG wire and crushing insulation in nose slot. The front portion of the jaws is narrowed, and a portion of the inner face of one jaw is relieved to skin insulation from wire. The inner surface of the jaws are serrated to facilitate gripping wire.

Jaw Length: 1 ¹/₂" 38.10 mm), Overall Length: 6 ¹/₂" (165 mm)



BSHORTNOSE



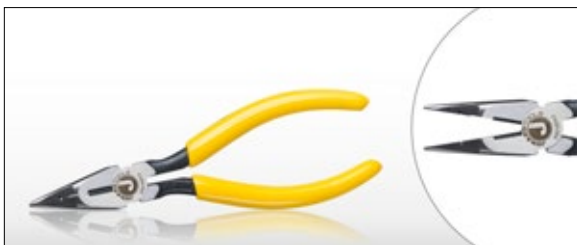
Long Nose Gripping Pressing Pliers - ELONGNOSE

Long nose pliers for gripping and pressing. Inner surface of the jaws are knurled near the end to facilitate gripping wire, binding post nuts etc. Aluminum oxide insulation coating on the outside nose surface. The inside gripping jaws are provided with mated grooves near the joint for use in pressing .032/.035" brass sleeves. One stripping hole .054" diameter.

Jaw Length: 1 ⁷/₈" (47.63 mm), Overall Length: 6 ⁷/₈" (174 mm)



ELONGNOSE



L3 Type Cut Crush Strip Pliers - KS21257L3

Long nose with side cutter, crushing slot, one 0.03" stripping hole and a thin knurled nose to facilitate handling wire at the terminals.

Jaw Length: 1 ¹/₂" (38.1 mm), Overall Length: 6 ¹/₂" (165 mm)



KS21257L3



Heat Coil Pliers - PLS-5

Designed for installing and extracting heat coils, fuses and other cylindrical shaped components. The thin nosed jaw allows easy access to tight restricted areas.

Jaw Length: 1 ¹³/₁₆" (46 mm), Overall Length: 5" (127 mm)



PLS-5



Tabbing Shear - TS-850

Tabbing or Cable Sheath Shear for making longitudinal cuts in the cable sheath and the metallic shield for placement of inner sheath bond clamps. Plastic formed ergonomic handles for safety and comfort and a latch to keep the handles closed when not in use. The volute spring allows for easy opening and closing.

Overall Length: 8 1/2" (216 mm)



TS-850



Slip Joint Side Cut Pliers - BCOMB

For heavy-duty use. Black phosphate finish, machined gripping teeth and 3/8" hardened wire cutter. Red plastic dipped handle.

Number of Positions: 2, Overall Length: 7 5/8" (194 mm)



BCOMB



Curved Needle Nose Plier - JIC-3385

Nose is bent 60° for maximum visibility. Used in confined areas for bending and forming fine wire. Inside jaws and jaw edges are polished to prevent nicking the wire. Plier has a spring loaded ergonomic design with a dark blue plastic handle.

Bend Angle: 60°, Overall Length: 5 1/2" (139 mm)



JIC-3385



Ratcheting Cable Cutter - RC-600

Cuts up to 600 mcm stranded copper cable, 750 mcm stranded aluminum cable. Maximum capacity is 1 3/4" (45 mm) diameter. Cleanly cut copper or aluminum & multi-conductor cable up to 600 mcm (750 mcm for aluminum). Unique design to hold and cut cable quickly, easily with minimum effort. Spring design to hold cutter in the open position when needed. Quick release for easy opening. Large ergonomic handle design. (Not designed for cutting ACSR or steel).

Maximum Cut Capacity: 1 3/4" (45 mm), Overall Length: 12" (305 mm)



RC-600



Ratcheting Cable Cutter - RC-336ACSR

Designed for heavy-duty use, This cable cutter is designed to cut 336 MCM (170 mm²) ACSR, 400 MCM (202 mm²) copper, or 600 MCM (304 mm²) aluminum cables, and most cables up to 30 mm in diameter.

Maximum Cut Capacity: 1 3/4" (4.4 cm), Overall Length: 12" (30.5 cm)



RC-336ACSR



Pump Pliers

Manufactured with a secure tongue and groove design for a non-slip grip (even under heavy pressure). Made from high quality tool steel, with a smooth positive interlock between halves.

SPECIFICATIONS	JIC-5026	JIC-50210	JIC-50212
DESCRIPTION	Pump Pliers 6", 4 Positions	Pump Plier 10", 6 Positions	Pump Plier 12", 7 Positions
MAX JAW OPENING	1" (25.4 mm)	1 3/4" (44.5 mm)	2 1/4" (57.2 mm)
LENGTH	6" (152 mm)	10" (254 mm)	12" (305 mm)
QR CODE			



Wire Rope and Cable Cutter - WRC-14

Tool design provides greater leverage for easier cutting of various materials.



WRC-14

Material

Soft Wire Rope
Hard Wire Rope
Spring Wire
Copper/Aluminum Cable

Max. Wire Rope Size

1/4" (6 mm)
3/16" (5 mm)
3/32" (2.4 mm)
3/16" (5 mm)

Jaw Length: 0.5" (12 mm), Overall Length: 8" (203 mm)



Fuse Puller - FP-600

Designed for installing and extracting fuses from line amplifiers and other cylindrical shaped components including heat coils. The thin nosed jaws allow for easy access to tight restricted areas. Works great on automotive mini fuses that are packed tight. Handle color is yellow plastic dipped.



FP-600

Jaw Length: 1 13/16" (46 mm), Overall Length: 5" (127 mm)



Fuse Puller Insulated - FP-600INS

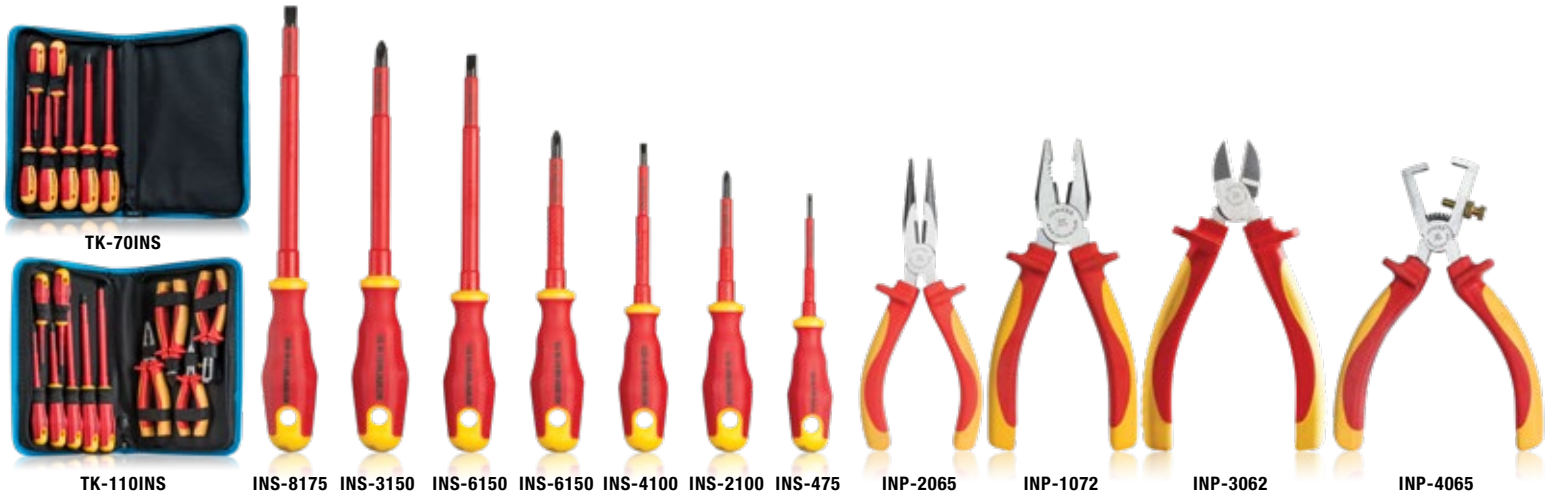
Designed for installing and extracting fuses from line amplifiers and other cylindrical shaped components including heat coils. The thin nosed jaws allow for easy access to tight restricted areas. Works great on automotive mini fuses that are packed tight. Fully insulated grips are manufactured to VDE standards.



FP-600INS

Overall Length: 6 3/4" (165 mm)





Insulated Tool Kits

Perfect for Tech Professionals and Electricians, these pliers and screwdrivers are tested to 10,000 VAC and rate to 1,000 VAC live use. They are VDE approved, made from 60 CRV (chrome vanadium steel) for strength and durability and insulated to IEC 60900 Standards. Lifetime mechanical warranty and one year insulation warranty.

TK-70INS 7 Piece Insulated Screwdriver Set

Kit includes:

- **INS-180** #1 X 3 Phillips Screwdriver
- **INS-2100** #2 X 4 Phillips Screwdriver
- **INS-3150** #3 X 6 Phillips Screwdriver
- **INS-4100** 5/32 X 4 Slotted Screwdriver
- **INS-475** 1/8 X 3 Slotted Screwdriver
- **INS-6150** 1/4 X 6 Slotted Screwdriver
- **INS-8175** 5/16 X 7 Slotted Screwdriver
- **TKC-70** Rugged 7 Pocket Tool Case



TK-70INS

TK-110INS 11 Piece Insulated Tool Set

Kit includes

(all tools included in **TK-70INS** with these additions):

- **INP-1072** Lineman's Combo Plier 7 1/4"
- **INP-2065** Long Nose Plier 6 1/2"
- **INP-3062** Diagonal Plier 6 1/4"
- **INP-4065** Wire Stripper 6 1/2"
- **TKC-110** Rugged 11 Pocket Tool Case



TK-110INS



Lineman's Combo Plier 7 1/4" Insulated - INP-1072

These pliers are made from 60 CRV (chrome vanadium steel). The cutting edges are strengthened using high frequency induction hardening for superior strength. Guards are integrated into the dual color TPE plastic handle design to prevent contact with conductive parts while the soft ergonomic grips meet and exceed applicable standards for high voltage protection.

Cutter Length: 3/4" (19.1 mm), Overall Length: 7 1/4" (184 mm)



INP-1072



Wire Stripper 6 1/2" Insulated - INP-4065

The **INP-4065** Insulated Wire Stripper can be used on various types of wire, whether single conductor or stranded, from 8 AWG down to 30 AWG. 6 1/2" Long. Fully insulated grips are manufactured to VDE standards.

Overall Length: 6 1/2" (165 mm)



INP-4065



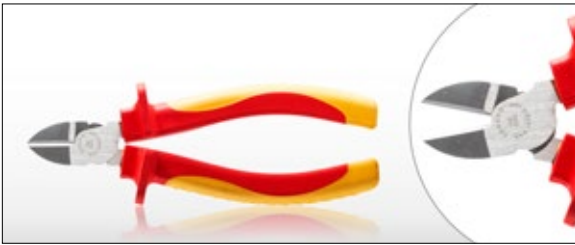
Long Nose Plier 6 1/2" Insulated - INP-2065

Guards are integrated into the dual color TPE plastic handle design to prevent contact with conductive parts while the soft ergonomic grips meet and exceed applicable IEC (IEC 60900) and VDE standards for high voltage protection. Tested to 10,000 VAC and rated to 1,000 VAC live use.

Overall Length: 6 1/2" (165 mm)



INP-2065



Diagonal Plier 6 1/4" Insulated - INP-3062

Guards are integrated into the dual color TPE plastic handle design to prevent contact with conductive parts while the soft ergonomic grips meet and exceed applicable IEC (IEC 60900) and VDE standards for high voltage protection. Tested to 10,000 VAC and rated to 1,000 VAC live use.

Overall Length: 6 1/4" (158 mm)



INP-3062



SCREWDRIVERS

Jonard Slotted, Phillips and Robertson Screwdrivers are made of special alloy steel for exceptional strength, long life and corrosion resistant. Soft rubber handles offer comfort and greater torque. The end of the handle is marked to identify the tool's size, and the tips are magnetic. Meets and exceeds applicable ASME/ANSI specifications.



4-in-1 Mini All-Purpose Screwdriver (Pack of 10) - S-41/10

This is a mini multi-bit screwdriver made for everyday use and includes four head types (#0 & #00 phillips head and 1/8" & 1/16" cabinet slotted head).



S-41/10



6-In-1 Robertson Screwdriver - SD-1223

This tool is configured to include: #2 Phillips Head & 9/32" Slotted Head, S1 & S2 Robertson Heads, Two nut drivers 5/16" & 1/4", and is made of special alloy steel for exceptional strength and long life. Tips are magnetic. Overall Length: 7 1/2" (190 mm)



SD-1223

Kit includes: **SD-RB1** Repl Bit Phillips #1 Slot 3/16", **SD-RB3** Repl Bit S1 & S2



Precision Screwdriver Phillips #00 x 60mm - SD-00/10

Precision screwdriver has a #00 Phillips tip and a 3 mm diameter by 60 mm long shaft. Shaft is made from SU11 steel. The handle is made from polypropylene and thermoplastic rubber for added comfort with a swivel at the end for ease of use. Overall tool length is 6". Tips are magnetic.



SD-00/10

Pack of 10. Overall Length: 6" (152 mm)



Precision Screwdriver Slotted 2mm x 60mm - SD-080/10

Precision screwdriver has a slotted tip 2 mm wide and a 3 mm diameter by 60 mm long shaft. Shaft is made from SU11 steel. The handle is made from polypropylene and thermoplastic rubber for added comfort with a swivel at the end for ease of use. Overall tool length is 6". Tips are magnetic.



SD-080/10

Pack of 10. Overall Length: 6" (152 mm)



Screwdriver 24" Phillips #3 - SD-243

This 24" long #3 Phillips Head Screwdriver is designed for use when you need an extra long screwdriver to reach the diodes in back of the rectifier. Made of chrome vanadium steel with a matte finish and a custom ergonomic tri-color handle. Tough, and durable, this is the perfect screwdriver for those unique applications. Tips are magnetic.

Overall Length: 27" (685 mm)



SD-243



Screwdriver Multi-Bit 6 In 1 - SD-61

This tool is configured to include: #1 & #2 Phillips Head, 9/32" & 3/16" slotted heads. Two nut drivers 5/16" & 1/4". This screwdriver is made of special alloy steel for exceptional strength and long life. Tips are magnetic. Overall Length: 7 1/2" (190 mm)

Kit includes: **SD-RB1** Repl Bit Phillips #1 Slot 3/16", **SD-RB2** Repl Bit Phillips #2 Slot 9/32", **SD-RB12** Repl Bit Set Incl. **SD-RB1** & **SD-RB2**



SD-61



Fiber ONT Screwdriver - SD-63

Precision Jeweler's Screwdriver with concave swivel knob to fit the finger and hexagonal shape to prevent rolling, knurled body for ease of use. This Jeweler's Screwdriver is commonly used to terminate the battery backup wires in the fiber ONT and is the perfect tool to terminate battery backup sensor wires at the battery backup unit.

Overall Length: 4" (101 mm)



SD-63



Stubby Screwdriver Set - Phillips & Slotted - SDS-142

The **SDS-142** stubby screwdriver set includes the **SDSP-2** phillips #2 stubby screwdriver and the **SDSC-14** slotted 1/4" stubby screwdriver and meets applicable ASME/ANSI specifications.

Overall Length 3 1/2" (89 mm) each.



SDS-142



8 Piece Screwdriver Set - SDK-8

Our screwdrivers are made of special alloy steel for exceptional strength and long life. The shafts are corrosion resistant and the soft rubber handles offer user comfort with greater torque. The tips are magnetic and the size and style are marked on the end of each handle. Meets applicable ASME/ANSI specifications.

Kit includes:






- **SDSP-2** Screwdriver Phillips #2 Stubby
- **SDP-1** Screwdriver Phillips #1 x 3"
- **SDP-2** Screwdriver Phillips #2 x 4"
- **SDP-3** Screwdriver Phillips #3 x 6"
- **SDSC-14** Screwdriver Slotted 1/4" Stubby
- **SDC-3163** Screwdriver Slotted 3/16" x 3"
- **SDC-144** Screwdriver Slotted 1/4" x 4"
- **SDC-5166** Screwdriver Slotted 5/16" x 6"



SDK-8







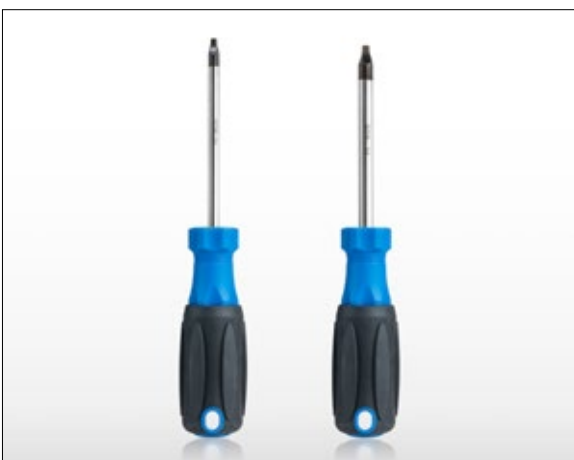
Slotted Screwdrivers

SPECS	SDC-3163	SDC-3166	SDC-144	SDC-3810	SDC-5166
SHAFT	3/16" X 3"	3/16" X 6"	1/4" X 4"	3/8" X 10"	5/16" X 6"
OVERALL LENGTH	6 3/4" (171 mm)	9 3/4" (248 mm)	8 11/32" (212 mm)	14 3/8" (365 mm)	10 3/8" (264 mm)
QR CODE					




Phillips Screwdrivers

SPECS	SDP-1	SDP-2	SDP-3	SDP-28
SHAFT	#1 X 3"	#2 X 4"	#3 X 6"	#2 x 8"
OVERALL LENGTH	6 3/4" (171 mm)	8 5/16" (211 mm)	11" (279 mm)	12" (305 mm)
QR CODE				



Robertson Screwdrivers

SPECIFICATIONS	SDR-24	SDR-34
SHAFT	#2 X 4"	#3 X 4"
OVERALL LENGTH	8 1/2" (216 mm)	8 1/2" (216 mm)
QR CODE		



LED Flashlight With Zoom Lens - FL-2000

A high quality Osram LED Flashlight powered by a single AA alkaline battery. Housing is rugged aluminum suspended from a clip-on lanyard. Brightness is 120 lumens and the beam is adjustable to meet the working environment. Zoom in for a tight narrow beam and zoom out for a wide light. Hold the head of the flashlight with one hand and the body with the other. Simple in and out movement adjusts the light. Simple push-button operation.



FL-2000



ND-6301132

ND-63012

ND-63014

ND-630316

ND-63038

ND-630516

ND-630716

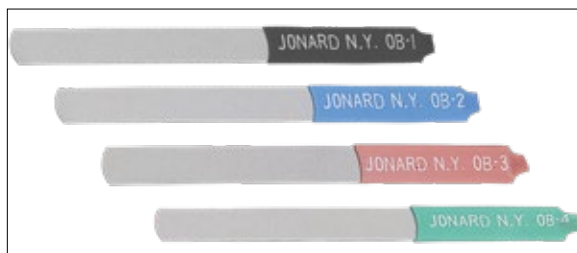
Hollow Shaft Nut Drivers

These are full length hollow shaft nut drivers intended for working with long bolts. They are designed with cushion gripped ergonomic color coded handles. Handles provide greater torque and user comfort. Overall length 7". ASME Standard/YR: B107.12-2004.

SPECIFICATIONS	ND-63012	ND-63014	ND-63038	ND-630316	ND-630516	ND-630716	ND-6301132
DRIVER SIZE	1/2" (12.7 mm)	1/4" (6.4 mm)	3/8" (9.5 mm)	3/16" (4.8 mm)	5/16" (7.9 mm)	7/16" (11.1 mm)	11/32" (8.7 mm)
COLOR CODE	Red	Red	Blue	Black	Yellow	Brown	Green
QR CODE							

Hollow Shaft Nut Driver Kits

JONARD P/N	DESCRIPTION	ND-SET4	ND-631
ND-63012	1/2" Hollow Nut Driver, 3" Shaft	X	X
ND-63038	3/8" Hollow Nut Driver, 3" Shaft	X	X
ND-630516	5/16" Hollow Nut Driver, 3" Shaft	X	X
ND-6301132	11/32" Hollow Nut Driver, 3" Shaft	X	X
ND-63014	1/4" Hollow Nut Driver, 3" Shaft		X
ND-630716	7/16" Hollow Nut Driver, 3" Shaft		X
ND-630316	3/16" Hollow Nut Driver, 3" Shaft		X
QR CODE			



Contact Burnishers

Plastic insulated handles for working on live contacts. Available in four styles for fine, extra sensitive, general purpose and industrial use.



JONARD P/N	DESCRIPTION
0B-1/3	Burnisher Files (Pkg. 3), Fine
0B-1/12	Burnisher Files (Pkg. 12), Fine
0B-2/12	Burnisher Files (Pkg. 12), Extra Sensitive
0B-3/12	Burnisher Files (Pkg. 12), General Purpose
0B-4/12	Burnisher Files (Pkg. 12), Industrial

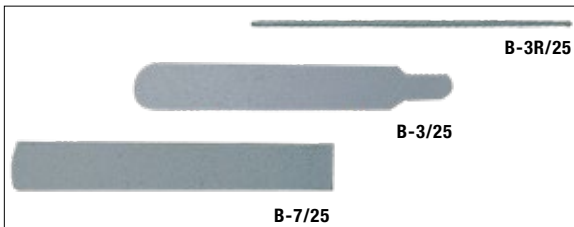


Pocket Type Burnishers

Adjustment of flexible blade-length and rigidity is possible by varying depth in chuck. Supplied with replaceable blades stored in pen barrel at other end. Plastic barrel and cap made of sturdy plastic for dielectric work. Length 4 1/2", diameter 3/8". Blades are 3/16" wide x 1 1/2" long. Rods are .020" diameter x 1 1/4" long.



Pocket Type Burnishers



JONARD P/N	DESCRIPTION
PB-3	Pen w/ 6 Blades .0035" Thick
PB-3R	PB-3 Plus 6 Abrasive Rods .020"
PB-7	Pen w/ 6 Blades .007" Thick
B-3/25	Pkg 25 Replacement Blades for PB-3 (.0035")
B-3R/25	Pkg 25 Replacement Rods for PB-3R (.020")
B-7/25	Pkg 25 Replacement Blades for PB-7 (.007")



Pouches

SPECS	H-20	H-22	H-36	H-50	H-60	H-75	H-85	H-125	H-1000
DESCRIPTION	Rugged Nylon Carry Case	Rugged Carrying Case with Straps	Molded 2 Tool Pouch	Molded 5 Tool Pouch	Molded 2 Tool Pouch	Molded 7 Tool Pouch	Molded 8 Tool Pouch	25 Pocket Tool Roll Up Pouch	Rugged Nylon 5-Pocket Tool Pouch
SECURING METHOD	Carabiner Loop	Carrying Handles	Metal Belt Clip	Belt Loop	Metal Belt Clip	Metal Belt Clip	Metal Belt Clip	Carrying Handle	Belt Loop
QR CODE									



Rugged 21 Pocket Tool Case - H-90



H-90

A rugged versatile 21 pocket tool case with a removable top, made from special heavy duty material for greater durability and long life. The case is reinforced with a tough thick backing material to maintain its shape – even when loaded with tools.

Additional features include a carry strap, two additional straps for securing the case to a ladder, a metal clip on the exterior for holding a tape measure and pockets galore



Smart Phone & Tablet Repair Tool Kit - TK-19

For opening and repairing all series of smartphones, tablets and many "i" series computers (iPhones & iPads). Kit contains all the tools you need to take apart these highly specialized electronic devices. Perfect for DIY repair jobs. Tools are neatly organized and labeled in a convenient storage case.



TK-19

Kit includes:

- Ergonomic Handle
- Thirteen 4mm bits
- 2 Plastic Prying Tools
- Guitar Pick
- Opening Tool
- Suction Vacuum Opener
- SIM Eject Tool
- Tweezer



NETWORK & TELECOMMUNICATION TOOLS

Telecom is the transfer of data through electromagnetic signals while networking is connecting devices to one main system. In both methods of communication cabling tools are critical to ensure devices transmit signals properly and bring us television, telephone, radio, internet, and more.

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Pass-Through Connectors

These high quality connectors are used to terminate network cables with a pass-through crimper. They use gold plating on contact surfaces and tripoint prongs for greater signal strength.

SPECS	RJ45-5100	RJ45-550	RJ45-6100	RJ45-650
QUANTITY	100	50	100	50
CABLE TYPE	CAT5, CAT5e Network Cables	CAT5, CAT5e Network Cables	CAT6, CAT6a Network Cables	CAT6, CAT6a Network Cables
QR CODE				



RJ11/12, RJ45 Pass-through Modular Crimping Tool 6-in-1 - UC-4569



UC-4569

Designed to crimp RJ11/12 and RJ45 connectors onto CAT3, CAT5/5e, and CAT6 cables, this pass-through connector crimper is perfect for any network installer. This crimper features the following:

Features:

- Easily crimps pass-through RJ45 connectors without any measuring needed
- Crimps 4, 6, and 8 position modular connectors (RJ11/12 and RJ45)
- Cleanly trims the wires flush to the end face of pass-through RJ45 connectors
- Intended for use with 28 to 22 AWG flat/round, solid/stranded telephone and data cables
- Ratcheted, ultra-stable platform for consistent terminations with low hand force
- Durable steel construction for high durability and long life
- Ergonomically designed dual material cushion grip handles for greater comfort

Replacement blade set available: **UC-4569RB**



Modular 6-in-1 Crimping Tool - UC-864



UC-864

Designed for cutting, stripping, and crimping RJ11, RJ12, RJ22, and RJ45 connectors onto CAT3, 5e, and CAT6 cables, this feedthrough connector crimper is perfect for any network installer. This crimper features the following:

Features:

- Ratcheted, ultra-stable platform for consistent terminations with low hand force
- Tool includes built-in jacket strippers for round and flat cables 22 AWG-28 AWG (0.32-0.64 mm diameter)
- 2 crimping slots: one for 8 position modular connectors and one for 6 and 4 position modular connectors
- Durable all-steel construction with heavy duty cutting blade good for 3,000 cuts
- Dual-component ergonomic cushion grip handles for greater comfort

Cable Parameters: 22 AWG-28 AWG (0.32 mm-0.64 mm diameter) flat or round, solid or stranded, telephone or data



VDV Installation Tool Kit - TK-RJ550

This kit provides all the necessary tools for cutting, crimping and terminating CAT5 and CAT5e network cables.



TK-RJ550

Kit Includes:

JONARD P/N	DESCRIPTION
EPD-914	Punchdown Tool without Blade
EPB-110	Punchdown Blade, 110 With & Without Cutter
RJ45-550	RJ45 CAT5e Pass-Through Connectors (Pack of 50)
CST-1i	Cyclops Wire Stripper
H-20	Rugged Carrying Case
ES-1964ERG	Ergonomic Electrician's Scissors
UC-4569	RJ11/12, RJ45 Pass-through Modular Crimping Tool 6-in-1



Termination & Removal Tool - EP-QTH38B

The **EP-QTH38B** tool is used for terminating, bridging, and removing wires from 2-beam or 3-beam, insulation-slicing, quick-clip terminals found on QCM486 (MPC) and 391Q connectors, and on Versa blocks with quick-clip pins.



EP-QTH38B



Quick Clip Insertion Tool - JIC-950C

The wire cutter is designed to cut 22 & 24 gauge wire, the hook at the back of the tool is used for both jumper and back-tap removal, and the bit inserts 22 or 24 gauge (0.5 mm or 0.6 mm) wire into the terminal block. Ideal for wire insertion in 3-beam (112 type blocks) and 4 beam (78 type blocks) terminals in Cosmic and Cosmic II distributing frames.



JIC-950C

Replacement Blade: **JIC-955**

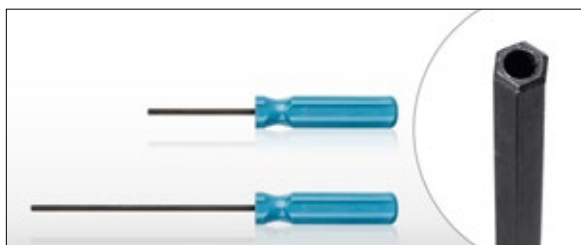


T Handle Security Wrench 5/16" - BW-516

Tamper proof wrench for use on tamper-proof cross-connect cabinets, MESA and CATV closures using 5/16" tamper proof screw. Recessed at both ends, 1/4" deep. Red plastic handle for user comfort.



BW-516



Booth Wrenches

Tamper proof hex screwdrivers, also known as a booth wrench or security wrench. These wrenches feature a 1" diameter handle, screwdriver handle, 5/32" hex shaft with a hole drilled in the tip for use with security tamper proof screws used for telephone and CATV applications.



BW-532-3



BW-532

BW-532-3 Booth Wrench 3" Long Shaft

BW-532 Booth Wrench 6" Long Shaft



EPD Series Punchdown Tools

Sleek ergonomic design for easy effective wire termination. Tested up to 100,000 cycles at high-impact setting. Use to properly set, seat and terminate wire. Simply position the wire, push tool, and listen for confirming click. Wire is properly seated.



EPD Series

Features include:

- Hi/Low impact setting
- Combination Hook/Spudger stored in the chassis
- Color coded yellow on the CUT side
- Enlarged blade storage compartment
- **EPD-914** Punchdown tool without blade (shown in picture)
- Lifetime Warranty

Punchdown Tool Kits

JONARD P/N	EPD-914	EPB-66	EPB-110	EPB-116	EPB-630	EPB-KR	EPB-KRONE
EPD-91461	X	X	X				
EPD-91466	X	X					
EPD-914110	X		X				
EPD-914116	X			X			
EPD-914630	X				X		
EPD-914KR	X					X	
EPD-9KRONE	X						X

Punchdown Tool Blades

JONARD P/N	DESCRIPTION
EPB-66	66 Blade With & Without Cutter
EPB-110	110 Blade With & Without Cutter
EPB-116	66 & 110 Blade Combined With Cutter
EPB-KR	Krone Blade With & Without Cutter
EPB-630	Punchdown Blade For 630 Modular Jack
EPB-KRONE	Krone Blade Scissor Style



EPB-66



EPB-110



EPB-116



EPB-KR



EPB-630



EPB-KRONE



BIX Punchdown Tool - EP-16A

This tool is designed to terminate cables, pigtails, and jumper wires on all GigaBIX, BIX and UMOXS cross-connect system connectors. This single action, spring activated tool will terminate 22-26 AWG plastic insulated solid copper conductors. Button on the handle adjusts the tool for seating only, or for seating and cutting the conductors.



EP-16A



Non-Impact Punchdown Tool - ENI-110

Designed for use on 110 terminal blocks. Perfect for do-it-yourself small jobs on a 110 terminal block. Fits neatly in the palm of your hand. Quickly and easily switch from cutting and non-cutting blade side with one hand. Simple - Fast - Easy.



ENI-110

PATENT PENDING



Linesman B Wrench - JIC-650

Designed with two open-ended wrench heads and an oval hole for turning pole steps, this Bell System Type wrench is perfect for telecom and datacom work applications. The end openings accommodate nuts for 3/8", 1/2", 5/8" and 3/4" bolts and the head of the 1/2" drive screw. The wrench is 13" long and the faces of the wrench openings are offset to provide handle clearance.



JIC-650



Adjustable Wrench Set - 6", 8" & 10" - AW-6810

These wrenches are made of chrome vanadium steel with a chrome plated finish and are forged and heat treated for greater strength.







AW-6810

Features

- Handles are covered with a red vinyl grip for user comfort
- The knurled worm gear is precision formed for smooth operation
- For accurate and faster adjustments use the metric or English scales on either side of the jaws

3- Piece Kit includes:

- AW-6** Adjustable Wrench 6" with Extra Wide Jaws
- AW-8** Adjustable Wrench 8" with Extra Wide Jaws
- AW-10** Adjustable Wrench 10" with Extra Wide Jaws

SPECIFICATIONS	AW-6	AW-8	AW-10	AW-12
DESCRIPTION	Adjustable Wrench 6" with Extra Wide Jaws	Adjustable Wrench 8" with Extra Wide Jaws	Adjustable Wrench 10" with Extra Wide Jaws	Adjustable Wrench 12" with Extra Wide Jaws
JAW CAPACITY	15/16" (24 mm)	1-1/8" (29 mm)	1-5/16" (33 mm)	1-1/2" (38 mm)
OVERALL LENGTH	6" (152 mm)	8" (203 mm)	10" (254 mm)	12" (305 mm)
QR CODE				



Can Wrenches

These double ended can socket wrenches are designed to fit over long binding posts and open telephone box fasteners. They can tighten nuts on binding-post terminals and access tight spaces such as locking devices on terminals and cabinets. 7" long.



Can Wrenches




JONARD P/N	DESCRIPTION
M-216C/EX	Ergonomic Hex 7/8" Diameter Handle Hex Socket
M-216C/REX	Ergonomic Round 7/8" Diameter Handle Round Socket
M-216C/RX	Standard Round 11/16" Diameter Handle Round Socket
M-216CKIT	Security Key Kit 7/8" Diameter Handle Hex Socket
M-216CS22	Ergo, W/ Wire Stripper 7/8" Diameter Handle Hex Socket (Built In 22-24 AWG Wire Stripper)
SK-51632	Security Key Insert



Electrician's Scissors

Designed for heavy duty use with one serrated blade, notches to strip 18-20 & 22-24 AWG wire, and a scraper and file on the back of the blade.

- ES-1964** - traditional electricians' scissors
- ES-1964DS** - features a free-fall fingertip operation
- ES-1964ERG** - features an ergonomic handle

SPECIFICATIONS	ES-1964	ES-1964DS	ES-1964ERG
DESCRIPTION	Traditional Electricians' Scissors	Features a Free-Fall Fingertip Operation	Features an Ergonomic Handle
QR CODE			



Communication Scissor - JIC-195

High carbon stainless steel blades, 1/4" notch for cutting & stripping, two stripping notches for 18-20 AWG and 22-24 AWG wires, and one serrated non-slip blade.



JIC-195



Heavy Duty Scissor With Wire Stripper - JIC-183

Heavy duty multi-function scissor designed to cut copper, aluminum, leather, plastic and other materials. Not designed to cut steel or other hardened/heat treated metals.



JIC-183

- Made with high carbon stainless steel blades
- Three stripping holes marked 1.0, 1.5, and 2.0 which is equivalent to 18, 14, and 12 AWG wire
- One blade serrated for a secure grip
- Handles are dual component polypropylene and TPR
- Includes safety locking mechanism and adjustment screw



Ergonomic Cable Splicing Knife - KN-7

The tough cutlery steel blade is extremely sharp and cuts easily through many types of insulation. It holds its edge with repeated use and features a non-slip easy grip ergonomic handle made from TPR (thermoplastic rubber) for better control and reduced hand fatigue. Blade length is 1 3/4" and overall length is 6 1/4"



KN-7



Cable Dismantling Knife, Insulated - KN-100INS

Designed with a curved blade and insulated handle, this cable sheathing knife is the perfect tool for slitting or cutting the sheathing off cables without damaging the conductor insulation inside.



KN-100INS



Heavy-Duty Utility Knife - UKN-3

Designed for heavy duty use, this utility knife is the perfect addition to any tradesman or technician's tool kit.

Replacement Blades: **UKN-50RB**



UKN-3

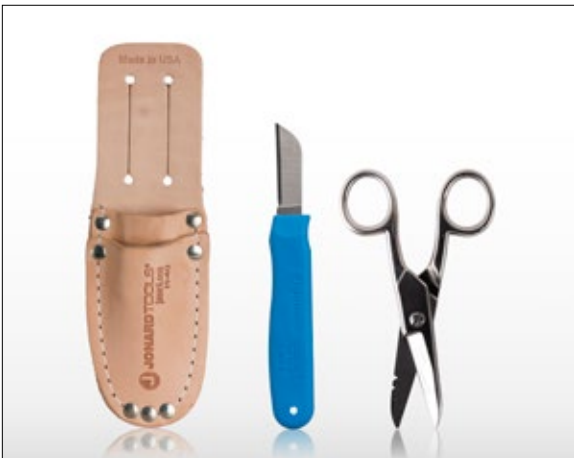


Knife And Scissor Sharpener - KSS-1

Sharpen knives and scissors with one convenient sharpener. Made of high-grade tungsten-carbide steel and diamond polished. Will restore the edge on either scissors or knives with 3-4 simple strokes. Safety finger guard, lightweight compact design makes this the ideal tool for all your sharpening needs.



KSS-1



Splicer's Kit - TK-400

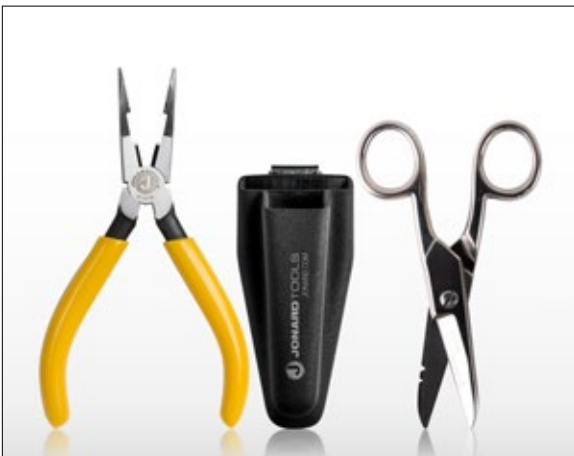
The **TK-400** Splicer's Kit is the perfect compact tool kit for all your cable splicing needs.

Kit includes:

- **KN-7** Ergonomic Cable Splicing Knife
- **ES-1964** Electrician's Scissor
- **H-40** Leather Two Tool Pouch



TK-400



Telephone Installer Splicer's Kit - TK-22148

The **TK-22148** Telephone Installer Splicer's Kit is designed for stripping, splicing and crimping. The perfect kit for telephone installers.

Kit includes:

- **JIC-22148** Combo Crimper Long Nose Pliers
- **ES-1964** Electrician's Scissor
- **H-36** Molded Pouch



TK-22148



5 Piece Telecom Installer's Kit - TK-50

The perfect kit for simple installations, the **TK-50** 5 Piece Telecom Installer's Kit includes the basic necessities for telecom installations.



TK-50

Kit includes:

- **M-216CS22** Ergonomic Can Wrench with Wire Stripper
- **KN-7** Ergonomic Cable Splicing Knife
- **ES-1964** Electrician's Scissor
- **JIC-22035** Probe Pick
- **H-50** Molded Five Tool Pouch



Punchdown Tool Kit - TK-17

An ideal combination of tools for electrical technicians, main frame telecommunications professionals, security & alarm and datacom professionals.



TK-17

Kit includes:

- **EPD-91461** Punchdown Tool With 2 Blades 66 & 110
- **JIC-22148** Combo Crimper Long Nose Pliers
- **SD-61** Screwdriver Multi-Bit 6 In 1
- **ES-1964ERG** Ergonomic Electrician's Scissor
- **CST-1i** Cyclops Wire Stripper, can use on UTP/STP Cable
- **FL-2000** LED Flashlight with Zoom Lens
- **H-75** Molded 7 Pocket Pouch with Belt Clip
- **JIC-22035** Probe Pick



Torque Wrench Swivel Head w/ 5/32 Hex Socket - TWSW-10SK

Used to properly torque 5/32" security screws used for mid mounting. Head swivels 90° and is factory set for 10 in-lb. Can be used with any 3/8" drive sockets. NOTE: For optimum functionality be sure to use a Full-Hand Grip centered on the handle.



TWSW-10SK

Includes the **TWS-532**.



5/32" Hex Security Socket 3/8" Drive (Pkg 10) - TWS-532/10

5/32" hex security socket 3/8" drive. Used on the TWSW-10 torque wrench. Made of chrome vanadium steel. Pack of 10.



TWS-532/10

Note: **TWSW-10** Torque Wrench Swivel Head 10 in/lb sold separately.



TWSW-10



16 Piece Security & Alarm Tool Kit+ - TK-611

Designed specifically for the security and alarm industry, the TK-611 16 Piece Security & Alarm Tool Kit provides all the tools needed to prep COAX, network, and power cables for termination as well as tools for tracing and testing applications.



TK-611

Kit includes:

JONARD P/N	DESCRIPTION
CST-1900	Round Cable Strip & Ring Tool
CT-200	Universal Compression Tool
EPD-91461	Punchdown Tool With 2 Blades 66 & 110
H-90	Rugged 21 Pocket Tool Case
JIC-186	Wire & Kevlar® Cutting Shears
JIC-683	Lineman's Side Cut Pliers
KN-7	Ergonomic Cable Splicing Knife
MCT-468	Modular Cable Tester for RJ45, RJ12, RJ11 Cables
MRS-24	MagneTrier™
RBNC-3	Compact BNC Connector Tool
SD-61	6-in-1 Multi-Bit Screwdriver with Phillips and Slotted Bits
TETP-800	Cable Tester Tone & Probe Kit
UC-4569	RJ11/12, RJ45 Pass-through Modular Crimping Tool 6-in-1
UST-500	Universal Cable Stripping Tool for COAX, Network, and Telephone Cables
WSC-826	Wire Stripper & Crimper, 8-26 AWG
JIC-22148	Combo Crimper, Long Nose Pliers





CABLE & WIRE STRIPPERS & SLITTERS



Self Adjusting Wire Stripping Tools

The perfect solution for stripping PVC and other insulated wire. This innovative squeeze and strip design uses precision carbon steel laminated stripping blades that automatically grasp the insulation to provide quick and accurate wire stripping.

SPECIFICATIONS	WSA-1024	WSA-1430
WIRE GAUGE	10-24 AWG (2.6 mm-0.2 mm)	14-30 AWG (1.6 mm-0.3 mm)
REPL. BLADES	WSA-1024RB	WSA-1430RB
QR CODE		



CableSaber™ - AST-200

The Jonard Tools **CableSaber™** is the ultimate tool for gaining mid-span access to armored or thick jacketed cables 4 mm-28.6 mm (0.157"-1.125") in diameter.



AST-200

Replacement Blade: **AST-RB, AST-10 & AST-118** Replacement Blade (2 Per Pkg)



Cable Ring Tool - JIC-2060

Designed to ring and remove the sheathing off plastic, fabric, and rubber-covered cables from 3/16" to 1/2" (4.7 mm-12.7 mm) in diameter.



JIC-2060

Replacement Blades: **RB-2060/6** (Pkg of 6)



Round Cable Strip & Ring Tools



The **PATENTED CST-1900** and **CST-4000** Round Cable Strip & Ring Tools are designed for fast and precise removal of cable jackets from round cables. Triple action design makes longitudinal cuts for end stripping, spiral cuts for end and mid span stripping, and circular cuts for jacket removal.

SPECIFICATIONS	CST-1900	CST-4000
CUT TYPE	Slit, Ring	Slit, Ring
CABLE DIAMETER	3/16"-1 1/8" (4.5 mm-29 mm)	3/4"-1 1/2" (19 mm-40 mm)
QR CODE		



Ratcheting Duct and Cable Slitters

These ratcheting cable slitters are designed to dismantle heavy-duty cables. The **RCS-25** and **RCS-30** both slit and ring round cables greater than 1" (25 mm) in diameter, and the **RCS-30** can also be used to make window cuts in ducts up to 5 mm thick.

SPECIFICATIONS	RCS-25	RCS-30
CUT TYPE	Slit & Ring	Window, Slit, & Ring
APPLICATION	Cables	Cables & Ducts
OVERALL LENGTH	6" (152 mm)	6" (152 mm)
REPLACEMENT BLADES	RCS-25RB	RCS-30RB
QR CODE		



Wire Stripper and Cutter, 8-22 AWG - WS-822

Easily strips 8-20 AWG solid wire and 8-22 AWG stranded wire, can remove up to 1" of insulation in a one-step operation. Built-in cutting blades make it easy and convenient to cut and prep wire. Gripping and stripping jaws grab, hold, and strip wire with one squeeze of the handle.



WS-822



Cyclops Wire Stripper - CST-1i

Fast easy removal of outer insulation from all unshielded twisted pair, shielded twisted pair and multicore cables. The Cyclops features a self adjusting blade and is perfect for PVC and plenum type insulation, plus other materials without damaging the inner braids, foils or conductors. Cable performance is not impacted using this cable stripper. **PATENTED.**



CST-1i



Submariner Cable & Large Duct Slitter - RCS-50

Designed to open the toughest heavy-duty cable jackets, the **RCS-50** is perfect for performing lateral and longitudinal cuts on submariner cables, large fiber ducts, or large count telephone cables at least 1 ½" (3.81 cm) in diameter.



RCS-50

Includes the **H-20** rugged carrying case.



Cable Stripper for 14/2 & 12/2 NM Cable - WSC-1412

Designed to strip the jacket and insulated conductors from 12/2 and 14/2 NM cables. Includes stripping holes for removing insulation on 12 and 14 AWG wire, wire looping / bending holes to aid in wire prep, and shears 6-32, 8-32, 10-32 screws.



WSC-1412

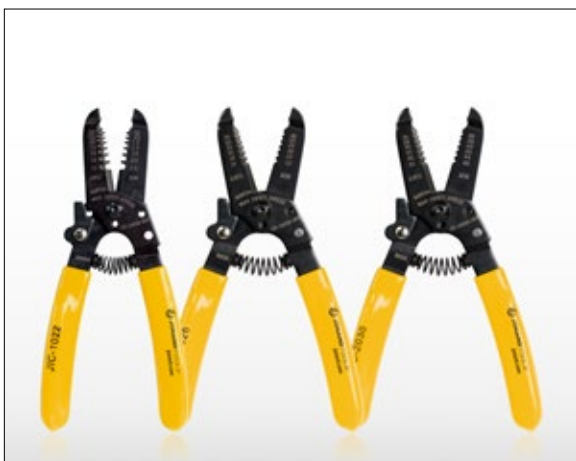


Wire Stripper & Crimper, 8-26 AWG - WSC-826

The Jonard Tools **WSC-826** is a multi-function wire stripper designed to cut and strip wire from 8-26 AWG (3.26 mm-0.40 mm) without any adjustments needed.



WSC-826



Wire Strippers

Wire strippers and cutters with coil spring openings to reduce fatigue, wire looping and bending holes, black oxide finish, locking mechanism, and cutting surfaces that are hardened, tempered and ground for superior performance.



JIC-1022

JIC-1022 10-22 AWG (2.60-0.64 mm)

JIC-1626 16-26 AWG (1.29-0.40 mm)

JIC-2030 20-30 AWG (0.81-0.25 mm)



JIC-1626



JIC-2030



Adjustable Wire Strippers

These precision wire strippers feature an adjustment dial that allows the operator to select one of the six different settings. A calibrated wire stop can then be adjusted for the desired insulation strip length. In a single motion, the operator squeezes and pulls the tool. This action engages four specially hardened blades to cleanly cut the wire insulation while the pulling motion breaks the insulation/conductor bond.



SPECS	ST-450	ST-500	ST-500ESD	ST-550
WIRE GAUGE	26-36 AWG	20-30 AWG	20-30 AWG, ESD Safe	18-28 AWG
QR CODE				



Adjustable Wire Stripper & Cutter - WS-5

Designed with a precision-ground "V" notch blade and adjustable blade stop for superior stripping, this adjustable wire stripper and cutter is perfect for stripping and cutting 10-30 AWG (2.6-0.25 mm) solid and stranded wire.



INSERTION & EXTRACTION TOOLS



Insertion & Extraction Tool Kits

These tools service virtually all connectors conforming to Mil-C-26482, Mil-C-26500 with front release contacts. These tools contain strong, durable, stainless steel probes & color coded handles. Items sold individually as well in kits. The kits are supplied in a leather Jonard tool case.

SPECS	KA-260	A-4598	A-4599	A-4600
DESCRIPTION	Insertion Tool Kit (Includes: A-4598, A-4599, A-4600)	Insertion Tool Contact Size 20 (Military Standard: MS24256-A20)	Insertion Tool Contact Size 16 (Military Standard: MS24256-A16)	Insertion Tool Contact Size 12 (Military Standard: MS24256-A12)
QR CODE				

SPECS	KR-260	R-4601	R-4602	R-9461
DESCRIPTION	Removal Tool Kit (Includes: R-4601, R-4602, R-9461)	Removal Tool Contact Size 20 (Military Standard: MS24256-R20)	Removal Tool Contact Size 16 (Military Standard: MS24256-R16)	Removal Tool Contact Size 12 (Military Standard: MS24256-R12)
QR CODE				



Insertion And Extraction Tool - AR-910672

A pin & socket insertion & extraction tool for contact size 20. Tool constructed of brass and ABS plastic with the red side for insertion and the white side for extraction. Mil standard M81969/1-02.



AR-910672



Pin Removal Tool - R-5926

The pin extractor is a plunger style pin extractor for pushing pins out from behind the connector blocks for contact sizes 16-20. 3" long. This Amp style connector tool can be used on AMP CPC type connectors.




R-5926



PLCC Extractors

These PLCC extraction tools extract a range of PLCC sizes from 20 pins through 128 pins from any socket without damaging the chip.

SPECIFICATIONS	EX-5	EX-6
DESCRIPTION	PLCC Extractor - ESD (Electrostatic Discharge) Safe	PLCC Extractor
QR CODE		

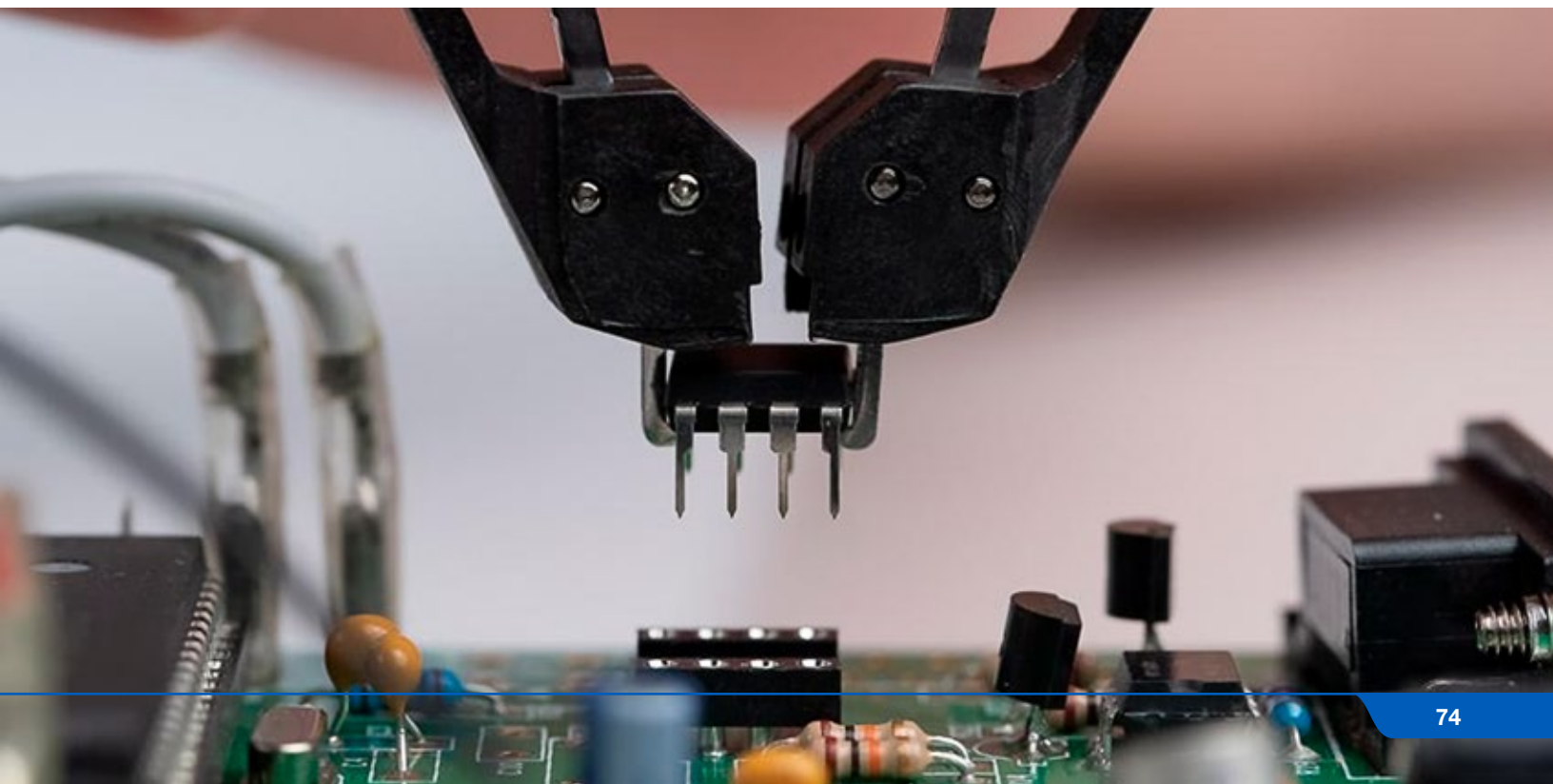


Wire Extractor - M-724A

Metal construction wire extractor with insulated handle to remove wire from quick-connect clips and 66 & 110 terminal blocks. 3/16" diameter with a .052" slot width. 5 1/2" long.



M-724A



IC Insertion & Extraction Tools



SPECS	EX-1/10	EX-2	MOS-1416
DESCRIPTION	DIP IC Extractor (8-24 Pins) (Pack of 10)	DIP IC Extractor (24-40 Pins)	Insertion Tool (14-16 Pins)
QR CODE			

SPECS	MOS-2428	S-339	S-340
DESCRIPTION	Insertion Tool (24-28 Pins)	Lamp Extractor	DIP/IC Extractor
QR CODE			

IC Insertion/Extraction Kit - WK-7

This tool kit is designed to facilitate the installation and extraction of DIP IC and PLCC chips on circuit boards. All included tools are CMOS safe and include grounding lugs where appropriate.



WK-7

Kit includes one each of the following:

EX-1 DIP IC Extractor (8-24 pins)

EX-2 DIP IC Extractor (24-40 Pins)

EX-5 PLCC Extractor, ESD Safe

MOS-1416 Insertion Tool (14-16 Pins)

MOS-2428 Insertion Tool (24-28 Pins)



M22520/1-01 Military Grade Precision Crimper - CMP-1226

Designed for use with our **CMP-3** (M22520/1-02) turret head and most other military grade turret heads, this precision crimping tool is perfect for crimping front release connector contact pins onto 12-26 AWG wire. Includes the **CMP-3** turret head.



CMP-1226



SOLDERING & DESOLDERING TOOLS



Benchtop Fume Absorbers

Features:

- Aerodynamic hood design effectively draws irritating soldering fumes away from the work area
- Carbon-impregnated filters trap a limited portion of the flux fumes
- Compact size, low profile and adjustable stand allows convenient placement 6" to 8" (152 to 203mm) from work area
- Dimensions: 8 1/2" H x 8 1/4" W x 4" D
- Articulating arm allows optimized positioning and saves bench space
- Bench mounting clamp and 3 filters come complete with unit
- Noise level 45-50 DB A
- **SA-9-E-115 & SA-91-E** feature static-dissipative housing

SPECIFICATIONS	SA-9-115	SA-9-E-115	SAF-1	SAK-90	SA-91-E	SA-91
DESCRIPTION	Fume Absorber, 115V	Fume Absorber, ESD Safe 115V	Replacement Filter Set, 3 pcs.	Arm Assembly Kit Retro-fits SA-9/9-E to SA-91-E	SA-9-E-115 with Articulating Arm & Bracket (ESD Safe)	SA-9-115 with Articulating Arm & Bracket
QR CODE						



High-Vacuum Desoldering Pumps

A specially engineered desolder pump made to exacting specifications and providing precise repeatable operation. Fitted with a Teflon Tip with ID .125", OD .22" and included cleaning mechanism. **DP-100** and **DP-200**. 13" long, **DP-140** 8" long.

SPECS	DP-100	DP-140	DP-200	DPT-100	DPT-200
DESCRIPTION	High Vacuum Desoldering Pump	Desoldering Pump	High Vacuum Desoldering Pump, ESD Safe	1 Replacement Tip, DP-100/DP-140	1 Replacement Tip, DP-200
QR CODE					



KYNAR® WIRE

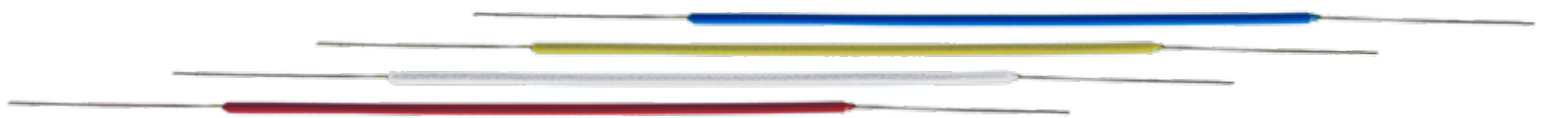
KYNAR® Insulated, Silver Plated Copper Conductor

Ideally suited for wire wrapping and many other applications. The Kynar insulation provides a flexible yet abrasion resistant wire and the conductor is made from silver plated OFHC (Oxygen Free High Conductivity) copper.



Kynar Insulated Wires

WIRE SIZE		INSULATION DIA.		ROLL SIZE		BLUE	YELLOW	WHITE	BLACK	RED	GREEN
AWG	mm	In.	mm	Feet	Meters						
24	0.50	.030	0.76	100	30.4	R24B-0100	R24Y-0100	R24W-0100	R24BLK-0100	R24R-0100	
26	0.40	.027	0.69	100	30.4	R26B-0100	R26Y-0100	R26W-0100	R26BLK-0100	R26R-0100	
28	0.32	.024	0.60	100	30.4	R28B-0100	R28Y-0100	R28W-0100	R28BLK-0100	R28R-0100	
30	0.25	.020	0.50	100 1000	30.4 304.4	R30B-0100 R30B-1000	R30Y-0100 R30Y-1000	R30W-0100 R30W-1000	R30BLK-0100 R30BLK-1000	R30R-0100 R30R-1000	R30G-0100 R30G-1000



Pre-Cut & Pre-Stripped Wire Wrapping Wire

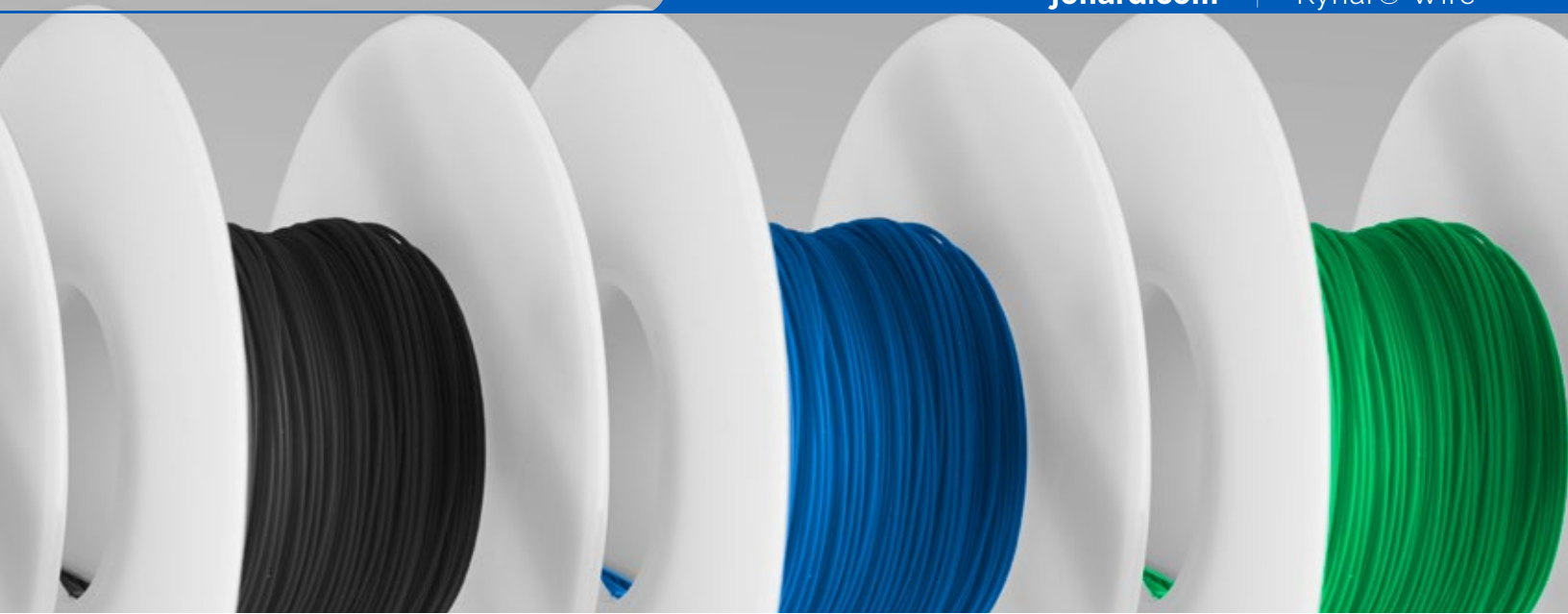
30 AWG (0.25mm) Pre-Cut/Pre-Stripped Wire 50 Pieces/Pkg.

- 50 pieces per package
- Kynar® insulated
- Silver plated copper conductor
- UL listed
- 1" of stripped wire on either end
- Add 2" to the insulation length (see chart below) for total length of wire



Pre-Cut & Pre-Stripped Wires

INSULATION LENGTH		BLUE	YELLOW	WHITE	RED
In.	mm				
1	25	30-B-50-010	30-Y-50-010	30-W-50-010	30-R-50-010
2	51	30-B-50-020	30-Y-50-020	30-W-50-020	30-R-50-020
3	76	30-B-50-030	30-Y-50-030	30-W-50-030	30-R-50-030
5	127	30-B-50-050	30-Y-50-050	30-W-50-050	30-R-50-050



KSW Wire Wrapping Wire Rolls for Cut/Strip/Wrap Applications

Low strip force Kynar® insulated silver plated copper conductor wire is further processed to provide a low strip force for use with CSW bits and sleeves. Ideally suited for wire wrapping and many other applications. The Kynar insulation provides a flexible yet abrasion resistant wire and the conductor is made from silver plated OFHC (Oxygen Free High Conductivity) copper.



KSW Wire

WIRE SIZE		INSULATION DIA.		ROLL SIZE		BLUE	BLACK	RED	GREEN
AWG	mm	In.	mm	Feet	Meters				
24	0.50	.030	0.76	100	30.4	KSW24B-0100	KSW24BLK-0100	KSW24R-0100	
26	0.40	.027	0.69	100	30.4	KSW26B-0100	KSW26BLK-0100	KSW26R-0100	
28	0.32	.024	0.60	100	30.4	KSW28B-0100	KSW28BLK-0100	KSW28R-0100	
30	0.25	.020	0.50	100 1000	30.4 304.4	KSW30B-0100 KSW30B-1000	KSW30BLK-0100 KSW30BLK-1000	KSW30R-0100 KSW30R-1000	KSW30G-0100 KSW30G-1000



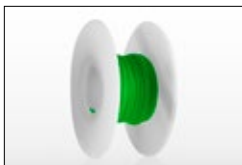
Wire Dispenser - WD-30 Series

- 50 ft. (15.2m) roll of 30 AWG (0.25mm) Kynar® wire-wrapping wire
- Built-in plunger cuts wire to desired length
- Built-in stripper strips 1" (25.4mm) of insulation
- Refillable



WD-30 Series

JONARD P/N	DESCRIPTION	REPLACEMENT ROLL OF WIRE
WD-30-B	Dispenser with 50' of Blue wire	R-30B-0050
WD-30-Y	Dispenser with 50' of Yellow wire	R-30Y-0050
WD-30-W	Dispenser with 50' of White wire	R-30W-0050
WD-30-R	Dispenser with 50' of Red wire	R-30R-0050
WD-30-TRI	Dispenser with 50' of Blue, White and Red wire	R-30-TRI



30 AWG Tefzel® Wire, Green, 100 ft - TSW30G-0100

Tefzel®, also referred to as ETFE (ethylene tetrafluoroethylene copolymer), is a thin but resilient insulation material designed for aerospace applications. It is ideal for use as appliance, panel, or wrapping wire and can also be used in the installation of aviation electronics equipment.



TSW30G-0100



WIRE WRAP TOOLS

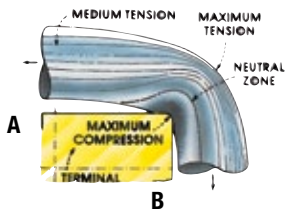
In February 2003 Jonard Industries acquired OK Industries and merged their operation into the “Jonard Family of Companies”. Established in 1946, OK Industries blossomed as a major force in the telecommunications and electronic industries with a special proficiency in the manufacture of Wire Wrapping Tools. These same tools have continuously been supplied by Jonard Tools.

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Wire Wrapping is a method of making a wire connection by coiling the bare wire around the sharp corners of a terminal under mechanical tension. The technology was developed as an alternative to soldering, which presents various safety and reliability problems in many applications. A principal advantage of wire wrapping is that it provides a high-reliability connection that is also easily removed to correct or modify a wiring layout. Wire wrapping subjects the wire to tremendous tension and compression forces, causing the oxide layer on both wire and terminal to be crushed or sheared, resulting in a clean, oxide-free metal-to-metal contact. A standard wrap is generally used for 18 AWG and larger diameter wires; a modified wrap is typically used for 26 AWG and smaller wires, and is used almost exclusively for 28 to 30 AWG wires. In either case, the wrap style affects only the connection's mechanical stability; both styles provide suitable electrical connections.



Metal-to-Metal Contact

By bending the wire around the sharp corner of the terminal, the oxide layer on both wire and terminal is crushed or sheared, and a clean, oxide-free metal-to-metal contact is obtained.

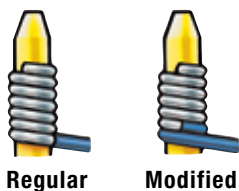
Strip Force Chart*

AWG	WIRE SIZE		MIN NUMBER OF TURNS (BARE WIRE)	MIN. STRIP FORCE	
	DIA. INCHES	DIA. MM		LBS.	GMS
16	.051	1.30	4	15	6800
18	.0403	1.00	4	15	6800
20	.032	0.80	5	8	3600
22	.0253	0.65	5	8	3600
24	.0201	0.50	6	7	3200
26	.0159	0.40	7	6	2700
28	.0126	0.32	7	5	2200
30	.0100	0.25	7	3.3	1500

*Conforms to MIL-STD-1130B

Types of Wrap

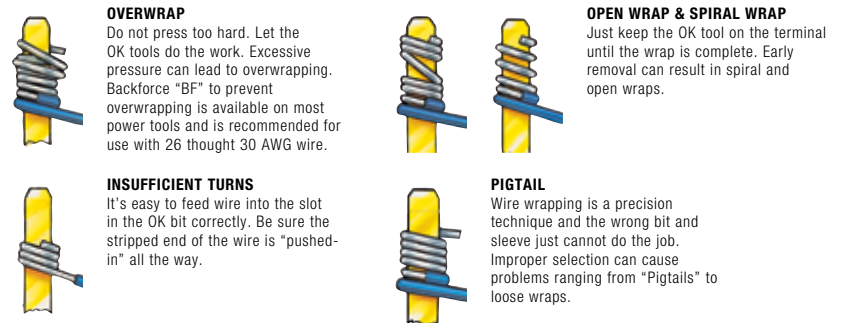
A "Regular" bit wraps the bare wire around the terminal. A "Modified" bit wraps a portion of insulation around the terminal in addition to the bare wire. This greatly increases the ability to withstand vibration.



How to Make Wire Wrapped Connections



Some Hints on Making Wrapped Connections



Terminal Diagonal Chart

		Dimension B																			
		.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95	.100	
		mm	0.25	0.38	0.51	0.64	0.76	0.89	1.02	1.14	1.27	1.40	1.52	1.65	1.78	1.91	2.03	2.16	2.29	2.41	2.54
Dimension A	.010	.014	.018	.022	.027	.032	.036	.041	.046	.051	.056	.061	.066	.071	.076	.081	.086	.091	.096	.101	
	.020	0.25	0.36	0.46	0.56	0.69	0.81	0.91	1.04	1.17	1.30	1.42	1.55	1.68	1.80	1.93	2.06	2.18	2.31	2.44	2.57
	.015	0.38	0.46	0.53	0.64	0.74	0.84	0.97	1.09	1.19	1.32	1.45	1.58	1.70	1.83	1.96	2.08	2.21	2.34	2.46	2.59
	.020	0.51	0.56	0.64	0.71	0.81	0.91	1.02	1.14	1.25	1.35	1.47	1.60	1.73	1.85	1.98	2.11	2.24	2.36	2.49	2.62
	.025	0.64	0.69	0.74	0.81	0.89	0.99	1.09	1.19	1.27	1.42	1.52	1.65	1.75	1.88	2.01	2.13	2.26	2.39	2.52	2.64
	.030	0.76	0.81	0.84	0.91	0.99	1.07	1.17	1.27	1.37	1.47	1.58	1.70	1.80	1.93	2.03	2.16	2.29	2.41	2.54	2.67
	.035	0.89	0.91	0.97	1.02	1.09	1.17	1.25	1.32	1.42	1.52	1.63	1.75	1.85	1.98	2.08	2.21	2.31	2.44	2.57	2.69
	.040	1.02	1.04	1.09	1.14	1.19	1.27	1.32	1.42	1.52	1.63	1.73	1.83	1.93	2.03	2.13	2.26	2.34	2.46	2.59	2.72
	.045	1.14	1.17	1.19	1.25	1.27	1.37	1.42	1.52	1.60	1.70	1.80	1.88	1.98	2.11	2.21	2.31	2.44	2.57	2.67	2.77
	.050	1.27	1.30	1.32	1.35	1.42	1.47	1.52	1.63	1.67	1.70	1.88	1.98	2.08	2.18	2.29	2.39	2.49	2.62	2.72	2.82

Example: If "A"=.020". "B"=.060". The Terminal diagonal is .063" as shown on chart.



Battery Wire Wrap Tools

The ergonomic and patented PTX Series Wire Wrap Tools are the telecom industry standard for wire wrapping needs on main distribution frames as well as local and remote installations. It's rugged construction and high speed motor make the tool suitable for electronic assembly work and many other wire wrapping applications.



Battery Wire Wrap Tools



JONARD P/N	DESCRIPTION	WEIGHT	RPM
PTX	Battery Powered Wrap/Unwrap Tool	1.13 lbs (0.51 g)	3700
PTXFL	PTX Plus Flashlight Attachment	1.13 lbs (0.51 g)	3700
PTX-KIT1	PTX Tool, 115V Battery Charger, 2 Batteries	3.15 lbs (1.42 kg)	3700
PTX-KIT1DH	PTX Tool, DFB224, 115V Battery Charger, 2 Batteries, H-1000	3.44 lbs (1.56 kg)	3700
PTX-KIT1DHFL	PTX-KIT1DH Plus Flashlight Attachment	3.52 lbs (1.60 kg)	3700
PTX-KIT1FL	PTX-KIT1 Plus Flashlight Attachment	3.23 lbs (1.47 kg)	3700
PTX-KIT2	PTX Tool, 230V Battery Charger, 2 Batteries	3.18 lbs (1.44 kg)	4200
PTX-KIT2DH	PTX Tool, DFB224, 230V Battery Charger, 2 Batteries, H-1000	3.60 lbs (1.63 kg)	4200
PTX-KIT2DHFL	PTX-KIT2DH Plus Flashlight Attachment	3.60 lbs (1.63 kg)	4200
PTX-KIT2FL	PTX-KIT2 Plus Flashlight Attachment	3.51 lbs (1.59 kg)	4200

All battery wire wrap tools above operate with a 3.6 Volt NiMH Battery.

Accessories

JONARD P/N	DESCRIPTION	WEIGHT
PTX-B	PTX Battery For Wrap/Unwrap Tool	0.39 lbs (0.18 kg)
PTX-BC1	PTX Battery Charger, 115V	0.77 lbs (0.35 kg)
PTX-BC2	PTX Battery Charger, 230V	0.86 lbs (0.39 kg)
PTX-FLA	Universal Flashlight Kit For PTX	0.08 lbs (0.04 kg)

Electric Wire Wrap Tools

JONARD P/N	DESCRIPTION	WEIGHT	VOLTAGE	RPM
PTX-1	Electric Wrap/Unwrap Tool, 115V	1.20 lbs (0.54 kg)	115V	3700
PTX-1BF	Electric Wrap/Unwrap Tool W/Backforce, 115V	2.00 lbs (0.90 kg)	115V	3700
PTX-1BFFL	PTX-1BF with Flashlight	2.08 lbs (0.94 kg)	115V	3700
PTX-1FL	PTX-1 with Flashlight	2.07 lbs (0.93 kg)	115V	3700
PTX-2	Electric Wrap/Unwrap Tool, 230V	2.20 lbs (0.99 kg)	230V	4200
PTX-2BF	Electric Wrap/Unwrap Tool W/Backforce, 230V	2.17 lbs (0.98 kg)	230V	4200
PTX-2BFFL	PTX-2BF with Flashlight	2.25 lbs (1.02 kg)	230V	4200
PTX-2FL	PTX-2 with Flashlight	2.28 lbs (1.03 kg)	230V	4200

All tools with "BF" in the part number include back force protection to prevent overwrapping.



Electric Wire Wrap Tools



G100/R3278

G100/R3278FL

G100/R3278INS

G200/R3278

Manual Wire Wrap Tools

Manual Wire Wrap Tools from Jonard OK Industries are ideal for between 50 and 200 wire wrap jobs per day. The nose piece should be tightened when the trigger is squeezed to minimize drag and ensure the wire wrapping bit and sleeve (sold separately) are properly oriented.



Manual Wire Wrap Tools

JONARD P/N	DESCRIPTION
G100/R3278	Aluminum Wire Wrapping Tool
G100/R3278FL	Insulated Aluminum Wire Wrapping Tool with Flashlight
G100/R3278INS	Insulated Aluminum Wire Wrapping Tool
G200/R3278	Wire Wrapping Tool with Lexan® Housing



LED Flashlight Kit For G100 Tools - G100-FL

For use with G100/R3278 & G100/R3278INS. Add the convenience of task lighting to your wire wrapping gun with this Wire Wrapping Flashlight Kit. Compatible with all wire wrapping tools.



G100-FL



Universal Flashlight Kit For WW Gun - G100-FLA

Universal - for use with most manual wire wrapping guns. Add the convenience of task lighting to your wire wrapping gun with this Wire Wrapping Flashlight Kit. Compatible with all wire wrapping tools.



G100-FLA



Manual Wire Unwrapping Tool - G100/R3394CT

Designed for unwrapping 20-26 AWG (0.80-0.40 mm) wire using unwrap set PUW2226, this tool is perfect for unwrapping wire quickly and easily.

The PUW2226 includes the 2026UB unwrap bit and the SOK2230 unwrap sleeve.



G100/R3394CT





3" Wire Wrap Bits & Sleeves

Fully compatible with any make or model wrapping tool. Modified bits provide an additional 1 ½" turns of insulated wire to the wrap.



3" Wire Wrap Bits & Sleeves

BIT P/N	SLEEVE P/N	REGULAR	MODIFIED	WIRE GAUGE		MAX. INSULATION DIAMETER		MIN. TERMINAL DIAGONAL		MAX. TERMINAL DIAGONAL		TERMINAL HOLE DEPTH		EFFECTIVE RADIUS		TERMINAL HOLE DIAMETER		
				AWG	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	
KB18	P194LN	•		18	1.00			.060	1.52	.073	1.85	1.000	25.40	.150	3.81	.075	1.90	
KB2075		•		20-22	0.65-0.80			.042	1.07	.073	1.85	1.000	25.40	.123	3.12	.075	1.90	
KB22	P2224	•		22	0.65			.054	1.37	.073	1.85	.750	19.05	.117	2.97	.075	1.90	
WB2275M			•	22	0.65	.052	1.32	.049	1.24	.074	1.87	1.000	25.40	.132	3.35	.075	1.90	
KB224LH			•	22-24	0.50-0.65			.061	1.54	.085	2.15	1.000	25.40	.117	2.97	.086	2.18	
KB224-1			•	22-24	0.50-0.65			.054	1.37	.073	1.85	1.000	25.40	.111	2.82	.075	1.90	
KB224			•	22-24	0.50-0.65			.054	1.37	.073	1.85	.807	20.50	.111	2.82	.075	1.90	
WB224M				•	22-24	0.50-0.65	.050	1.27	.049	1.24	.074	1.87	1.250	31.75	.121	3.07	.075	1.90
WB24DH				•	24	0.50	.046	1.17	.054	1.37	.073	1.85	1.750	44.50	.117	2.97	.075	1.90
KB24		P2426	•		24	0.50			.055	1.39	.074	1.87	.750	19.05	.100	2.54	.075	1.90
WB24SM*	P3032LN		•	24	0.50	.044	1.11	.024	0.60	.043	1.09	.750	19.05	.098	2.48	.044	1.11	
WB2426M	P2224		•	24-26	0.40-0.50	.046	1.17	.054	1.37	.073	1.85	.750	19.05	.118	2.99	.075	1.90	
KB2466		•		24-26	0.40-0.50			.054	1.37	.065	1.65	1.000	25.40	.098	2.48	.066	1.67	
KB26	P2426	•		26	0.40			.058	1.47	.073	1.85	1.000	25.40	.100	2.54	.075	1.90	
WB26SM*	P26LN		•	26	0.40	.031	0.79	.023	0.58	.038	0.96	.750	19.05	.075	1.90	.040	1.02	
WB2669M	P2426		•	26	0.40	.041	1.04	.053	1.34	.068	1.72	1.000	25.40	.109	2.77	.040	1.02	
WB28SHM	P3032		•	28	0.32	.030	0.76	.031	0.79	.035	0.89	.750	19.05	.066	1.67	.069	1.75	
SB30MSH-B			•	30	0.25	.027	0.69	.031	0.79	.035	0.89	.750	19.05	.064	1.62	.036	0.91	
WB3032M*			•	30.32	0.20-0.25	.027	0.69	.034	0.86	.038	0.96	.750	19.05	.064	1.62	.040	1.02	
WB3032MIL†			•	30.32	0.20-0.25	.027	0.69	.034	0.86	.038	0.96	.750	19.05	.064	1.62	.040	1.02	

*These tools are recommended for .025" square terminals on .100" center to center of the pins
 †Provides 2.5 turns of insulation



3" Wire Wrap Bits & Insulated Sleeves

The insulated sleeves are covered with a material that provides 1000V dielectric strength which helps to prevent shorting between pins and enhances worker safety. These bits and sleeves provide a regular wrap.



3" Wire Wrap Bits & Insulated Sleeves

BIT P/N	SLEEVE P/N	WIRE SIZE		MIN. TERMINAL DIAGONAL		MAX. TERMINAL DIAGONAL		TERMINAL HOLE DEPTH		EFFECTIVE RADIUS		TERMINAL HOLE DIAMETER	
		AWG	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
KB22	P2224INS	22	0.65	.054	1.37	.073	1.85	.750	19.05	.117	2.97	.075	1.90
KB224		22-24	0.50-0.65	.054	1.37	.073	1.85	.807	20.50	.111	2.82	.075	1.90
KB24	P2426INS	26	0.50	.055	1.39	.074	1.87	.750	19.05	.100	2.54	.075	1.90
KB26		26	0.40	.058	1.47	.073	1.85	1.000	25.40	.100	2.54	.075	1.90



5" Wire Wrap Bits & Sleeves (Extended)

5" Wire Wrap Bits & Sleeves (Extended Length)

These bits and sleeves are designed for wire wrapping in areas requiring deep penetration. Their 5" (127 mm) length ensures "true" connections in hard-to-get-at locations. Available with or without insulation. These bits and sleeves provide a regular wrap.

BIT P/N	INSULATED SLEEVE P/N	UNINSULATED SLEEVE P/N	WIRE SIZE		MIN. TERMINAL DIAGONAL		MAX. TERMINAL DIAGONAL		TERMINAL HOLE DEPTH		EFFECTIVE RADIUS		TERMINAL HOLE DIAMETER	
			AWG	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM	IN.	MM
KB22-5	P2224-5INS	P2224-5	22	0.65	.054	1.37	.073	1.85	.750	19.05	.117	2.97	.075	1.90
KB24-5	P2426-5INS	P2426-5	24	0.50	.055	1.39	.073	1.85	.750	19.05	.100	2.54	.075	1.90
KB26-5			26	0.40	.058	1.47	.073	1.85	.750	19.05	.100	2.54	.075	1.90

DFB Series Wrap & Unwrap Bit & Sleeve Sets



DFB Series Wrap & Unwrap Bit & Sleeve Sets

JONARD P/N	DESCRIPTION	WIRE SIZE		MIN. TERMINAL DIAGONAL		MAX. TERMINAL DIAGONAL		TERMINAL HOLE DEPTH		TERMINAL HOLE DIAMETER		EFFECTIVE RADIUS	
		AWG	MM	IN.	MM	IN.	MM	AWG	MM	AWG	MM	AWG	MM
DFB224	Wrap/Unwrap Bit & Sleeve Set, 22-24 AWG	22/24	.50/.65	.054	1.37	.073	1.85	0.50	12.70	.075	1.90	.111	2.82
DFB2426	Wrap/Unwrap Bit & Sleeve Set, 24-26 AWG	24/26	.40/.50	.54	1.37	.065	1.65	0.50	12.70	.066	1.67	.098	2.48

DFB224 Includes: KB-DF224 Bit, P-DF224 Sleeve; DFB2426 Includes: KB-DF2426 Bit, P-DF2426 Sleeve

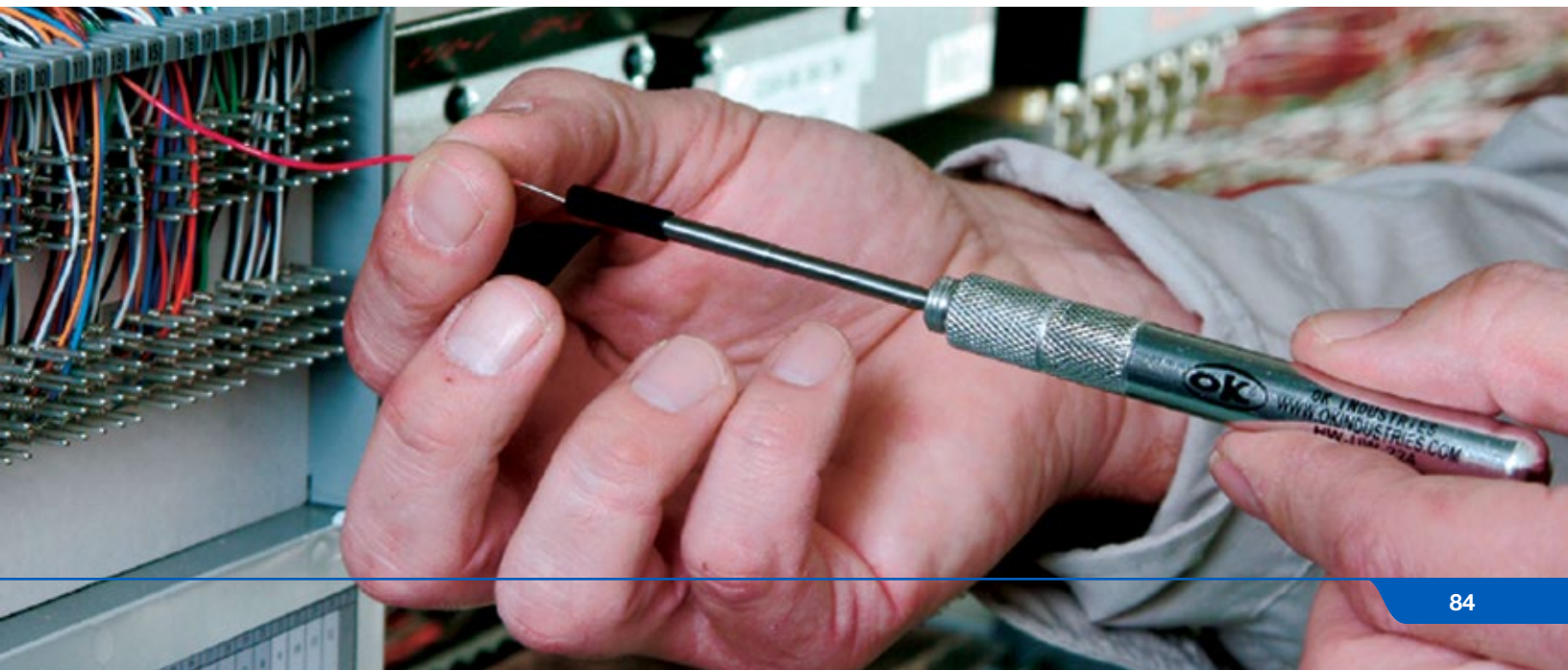


Wire Wrapping Extension Attachment - EXT-400

Precision device which attaches easily to your manual or powered wire wrapping tool for applications requiring extra "reach".



EXT-400





Hand Wire Wrap & Unwrap Tools

Hand Wire Wrap & Unwrap Tools

To switch from wire wrapping to unwrapping takes only seconds - just a quick change of the cap from one end of the tool to the other.

JONARD P/N	DESCRIPTION	REG	MOD	WRAPPING SIDE										UNWRAPPING SIDE							
				WIRE SIZE		MAX. INSULATION DIAMETER		TERMINAL HOLE DIAMETER		TERMINAL HOLE DEPTH		OUTSIDE DIAMETER		WIRE SIZE		TERMINAL HOLE DIAMETER		TERMINAL HOLE DEPTH		OUTSIDE DIAMETER	
				AWG	MM	IN.	MM	AWG	MM	AWG	MM	AWG	MM	AWG	MM	AWG	MM	AWG	MM	AWG	MM
HW-UW-18-19	Wrap-Unwrap Tool, 18-19 AWG	●		18-19	1.00 - 0.91	-	-	.075	1.90	1.000	25.40	.250	6.35	18-19	1.00 - 0.91	.075	1.90	1.000	25.40	.187	4.74
HW-UW-20	Wrap-Unwrap Tool, 20 AWG	●		20	0.80	-	-	.075	1.90	1.000	25.40	.250	6.35	20-26	1.00 - 0.91	.075	1.90	1.000	25.40	.156	3.96
HW-UW-224	Wrap-Unwrap Tool, 22-24 AWG	●		22-24	0.65 - 0.50	-	-	.075	1.90	.807	20.50	.218	5.53	20-26	0.80 - 0.40	.070	1.77	1.000	25.40	.156	3.96
HW-UW-224-1	Wrap-Unwrap Tool, 22-24 AWG	●		22-24	0.65 - 0.50	-	-	.075	1.90	1.000	25.40	.218	5.53	20-26	0.80 - 0.40	.070	1.77	1.000	25.40	.156	3.96
HW-UW-2426	Wrap-Unwrap Tool, 24-26 AWG	●		24-26	0.50 - 0.40	-	-	.075	1.90	.750	19.05	.218	5.53	20-26	0.80 - 0.40	.070	1.77	1.000	25.40	.156	3.96
HW-UW-26SM*	Wrap-Unwrap Tool, 26 AWG		●	26	0.40	.031	0.79	.040	1.02	.750	19.05	.125	3.17	24-32	0.50 - 0.20	.038	0.96	1.000	25.40	.093	2.36
HW-UW-2829M*	Wrap-Unwrap Tool, 28-29 AWG		●	28-29	0.32 - 0.29	.036	0.91	.040	1.02	.750	19.05	.156	3.96	24-32	0.50 - 0.20	.038	0.96	1.000	25.40	.093	2.36
HW-UW-30*	Wrap-Unwrap Tool, 30 AWG		●	30	0.25	.027	0.69	.036	0.91	.750	19.05	.125	3.17	24-32	0.50 - 0.20	.038	0.96	1.000	25.40	.093	2.36

*These tools are recommended for .025" (0.63 mm) square terminals on .100" (2.54mm) centers. A modified wrap provides 1.5 - 2 turns of insulation.

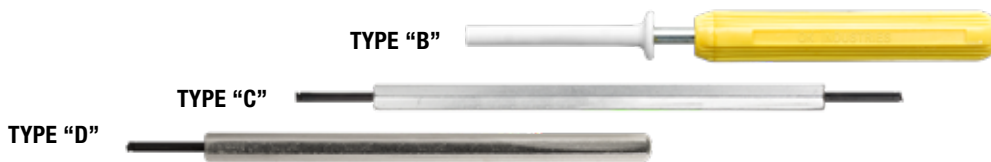
Insulated Hand Wire Wrap & Unwrap Tools

INSULATED HAND WRAP AND UNWRAP TOOLS																					
HW-UW-224INS*	Wrap-Unwrap Tool, 22-24 AWG Insulated	●		22-24	0.65 - 0.50	-	-	.075	1.90	1.000	25.40	.218	5.53	20-26	0.80 - 0.40	.070	1.77	1.000	25.40	.156	3.96
WDUD-26DS	DSL Wrap And Unwrap Tool	●		26	0.40	-	-	.075	1.90	1.000	25.40	.218	5.53	20-26	0.80 - 0.40	.070	1.77	1.000	25.40	.156	3.96

*Insulated handle for dielectric protection.



Insulated Hand Wire Wrap & Unwrap Tools



Hand Unwrap Tools

These tools are used to remove wire connections made with 20 thru 32 gauge wire.



Hand Unwrap Tools

JONARD P/N	DESCRIPTION	TYPE	WIRE SIZE		TYPE OF UNWRAP	MAX. TERMINAL DIAMETER		TERMINAL HOLE DEPTH		OUTSIDE DIAMETER	
			AWG	MM		IN.	MM	AWG	MM	AWG	MM
UD-2224	Sleeved Unwrapping Tool, 20-26 AWG	D	20-26	0.81-0.40	Left and Right Hand	.070	1.77	2.360	60.00	1.95	4.95
UW1	Unwrap Tool, 20-26 AWG	D	20-26	0.80-0.40	Left Hand	.070	1.77	1.000	25.40	.156	3.96
UW2	Unwrap Tool, 20-26 AWG	C	20-26	0.80-0.40	Left and Right Hand	.070	1.77	1.000	25.40	.156	3.96
UW4	Unwrap Tool, 20-26 AWG	B	20-26	0.80-0.40	Left Hand	.070	1.77	2.360	60.00	1.95	4.95
UW5	Unwrap Tool, 20-26 AWG	B	20-26	0.80-0.40	Left and Right Hand	.070	1.77	2.360	60.00	1.95	4.95
UW093R	Unwrap Tool, 24-32 AWG	D	24-32	0.50-0.20	Left Hand	.038	0.96	1.000	25.40	.093	2.36
UWD93-93	Unwrap Tool, 24-32 AWG	C	24-32	0.50-0.20	Left and Right Hand	.038	0.96	1.000	25.40	.093	2.36
UW2832C	Unwrap Tool, 28-32 AWG	B	28-32	0.32-0.20	Left and Right Hand	.038	0.96	.750	19.05	.156	3.96



Hand Wrap Tools

These Hand Wire Wrapping Tools are carefully designed to produce perfect wire wrapped connections. Precision, long-lasting tools for use where occasional wraps are required or where power wire-wrapping tools are not practical. Compact and convenient.



JONARD P/N	DESCRIPTION	REG	MOD	TYPE	WIRE SIZE		MAX. TERMINAL DIAGONAL		TERMINAL HOLE DIAMETER		TERMINAL HOLE DEPTH		OUTSIDE DIAMETER	
					AWG	MM	IN.	MM	AWG	MM	AWG	MM	AWG	MM
HW-20	Hand Wrap Tool, 20 AWG	•		A	20	0.80	-	-	.075	1.90	1.000	25.40	.218	5.53
HW-224	Hand Wrap Tool, 22-24 AWG	•		A	22-24	0.65-0.50	-	-	.075	1.90	.807	20.50	.218	5.53
HW-26	Hand Wrap Tool, 26 AWG	•		A	26	0.40	-	-	.075	1.90	1.000	25.40	.218	5.53
JIC-22681	Hand Wrapping Tool	•		A	22-24	0.65-0.50	-	-	.075	1.90	.807	20.50	.218	5.53
HW-30*	Hand Wrap Tool, 30 AWG		•		30	0.25	.027	0.69	.036	0.91	.750	19.05	.125	3.17

*This tool are recommended for .025" (0.63 mm) square terminals on .100" (2.54 mm) centers. A modified wrap provides 1.5 - 2 turns of insulation.

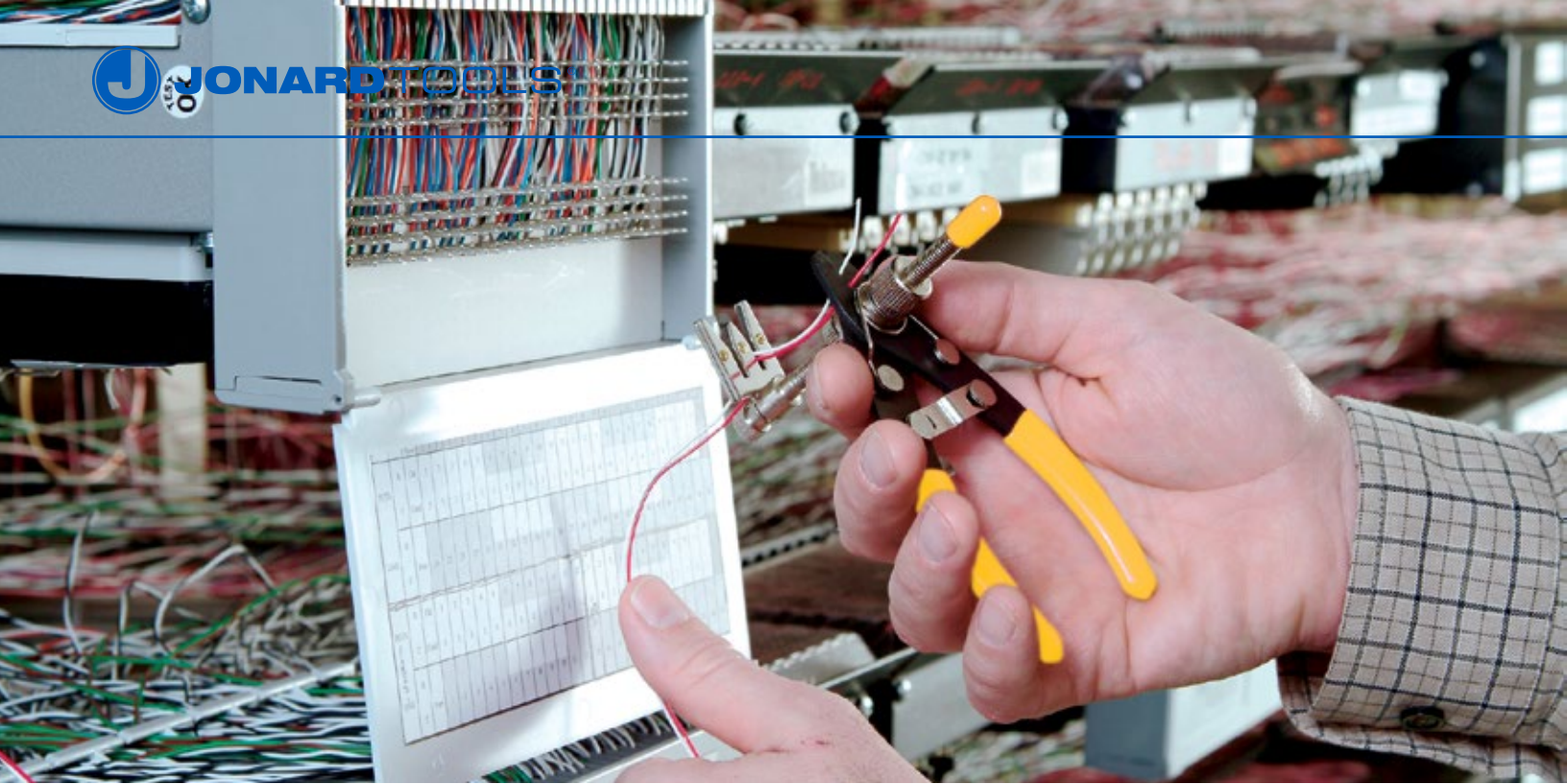


Wrap/Strip/Unwrap Tools

Each WSU tool wraps, unwraps and even strips the appropriate wire diameter with a unique built-in stripper blade. Ideal for bench use or tool kit in all service and repair applications. In addition to versatility, convenience, and reliability, the WSU Series offers exceptional value.



JONARD P/N	DESCRIPTION	REG	MOD	WIRE SIZE		MAX. INSULATION DIAMETER		TERMINAL HOLE DIAMETER		TERMINAL HOLE DEPTH		OUTSIDE DIAMETER		SQUARE POST	
				AWG	MM	IN.	MM	AWG	MM	AWG	MM	AWG	MM	AWG	MM
WSU-2224	Wrap-Strip-Unwrap Tool, 22-24 AWG	•		22-24	0.65 - 0.50	-	-	.075	1.90	1.50	38.1	.213	5.4	.045	1.14
WSU-30	Wrap-Strip-Unwrap Tool, 30 AWG	•		30	0.25	-	-	.036	0.91	1.50	38.1	.125	3.2	.025	0.63
WSU-24M	Wrap-Strip-Unwrap Tool, 24 AWG		•	24	0.50	.036	0.92	.075	1.90	1.50	38.1	.213	5.4	.045	1.14
WSU-26M	Wrap-Strip-Unwrap Tool, 26 AWG		•	26	0.40	.034	0.86	.075	1.90	1.50	38.1	.213	5.4	.045	1.14
WSU-30M	Wrap-Strip-Unwrap Tool, 30 AWG		•	30	0.25	.021	0.53	.036	0.91	1.50	38.1	.125	3.2	.025	0.63



Wire Stripper And Cutter - JIC-4473

Designed to cut and strip 22-26 AWG (0.65-0.40 mm diameter) wire, this tool is perfect for cutting and stripping wire to wire wrap length quickly and easily.



JIC-4473

Replacement Blades:

- **SB-2224** Replacement Blade 22-24 AWG (included)
- **SB-2426** Replacement Blade 24-26 AWG (included)
- **SB-2830** Replacement Blade 28-30 AWG (sold separately)



Wire Cut-and-Strip Tools - ST-100 Series

Designed to cut and strip wire for wire wrapping purposes, this tool is easy to operate and works with 3 blade sizes. Easy operation: place wire (up to 4 at once) in stripping slot, press the tool, and pull the wire(s).



ST-100 Series

JONARD P/N	WIRE SIZE		ADJUSTABLE STRIP-OFF LENGTH		REPLACEMENT BLADE
	AWG	MM	AWG	MM	
ST-100	22-24	0.65-0.50	1-5/16" to 1-9/16"	33.33 to 39.68	SB-2224
ST-100-2426	24-26	0.50-0.40	1-15/16" to 1-11/16"	39.68 to 42.86	SB-2426
ST-100-2830	28-30	0.32-0.25	7/8" to 1-1/8"	22.22 to 28.57	SB-2830



Manual Wire Wrap Tool Kits

These are complete kits for technician's working at a main distributing frame or for field service where wire wrapping is required.

- **WWK-1** Wire Wrapping Kit
- **WWK-1INS** Insulated Wire Wrap Kit
- **WWK-CO** Wire Wrap Kit Central Office



Manual Wire Wrap Tool Kits

Kits Include:

JONARD P/N	DESCRIPTION	WWK-CO	WWK-1	WWK-1INS
H-1000	Rugged Nylon 5-Pocket Tool Pouch	X	X	X
KB224	Wire Wrapping Bit, 22-24 AWG	X	X	X
P2224INS	Wire Wrapping Sleeve, Insulated, 22-24 AWG	X		X
UW4	Unwrap Tool, 20-26 AWG	X		X
G100/R3278INS	Insulated Wire Wrapping Tool	X		X
ST-100	Cut-Strip Tool 22-24 AWG		X	X
G200/R3278	Lexan® Wire Wrapping Tool		X	
HW-UW-224	Wrap-Unwrap Tool, 22-24 AWG		X	
P2224	Wire Wrapping Sleeve, 22-24 AWG		X	
JIC-21257	Telecom Long Nose Pliers	X		
JIC-22035	Probe Pick	X		
JIC-2257	Insulated Wire Loop Puller	X		



FORCE GAUGES

Jonard force gauges are all ergonomically designed and have become the industry standard for measuring force. Our 3 different lines of force gauges are used by a multitude of industries and these gauges are being used in over 1000 different applications for measuring, calibrating, standardizing, testing and evaluating.

Measurement is extremely simple. Just place point of gauge arm perpendicular to the force to be measured. Reading can be taken in both directions - clockwise and counter clockwise. Gauges offer extreme precision and durability. The measuring springs are made of hard tempered annealed beryllium copper. All gauges equipped with maximum reading pointer.



Small Gauges

(Flat Tip, Dial Diameter 1 1/2")

JONARD P/N	RANGE IN GRAMS	GRADUATION IN GRAMS	ACCURACY
GD-1	0-10	.20	± .20
GD-3	5-35	1.00	± 1
GD-5	10-50	1.00	± 1
GD-10	20-100	2.00	± 2
GD-15	50-150	5.00	± 5
GD-25	30-250	10.00	± 10
GD-30	40-350	10.00	± 10



Small Gauges



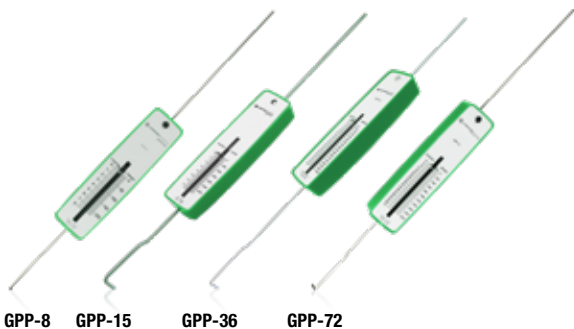
Large Gauges

(Round Tip, Dial Diameter 2 1/2")

JONARD P/N	RANGE IN GRAMS	GRADUATION IN GRAMS	ACCURACY
GD-50	60-500	20.00	± 20
GD-100	100-1000	25.00	± 25
GD-200	300-2000	50.00	± 50
GD-400	700-4000	100.00	± 100



Large Gauges



GPP-8 GPP-15 GPP-36 GPP-72

Economy Push-Pull Tension Gauges

These high impact polystyrene cased instruments accurately measure push pull forces. Gauge is graduated in two scales: grams and ounces. Precision springs. Full scale accuracy is held to ± 1 graduation.

Size: 1 1/2" wide x 1" deep x 14" long.

JONARD P/N	AVOIRDUPOIS CAPACITY	METRIC CAPACITY
GPP-8	8 oz. x 0.25 oz.	220 g x 5 g
GPP-15	15 lb. x 4 oz.	6,804 x 100 g
GPP-36	36 oz. x 0.5 oz.	1,020 g x 20 g
GPP-72	72 oz. x 1 oz.	2,025 g x 25 g



Economy Push-Pull Tension Gauges



Trimpot (Pkg of 10) - AT-3767/10

Double ended Trimpot with a hex (Allen) steel .050" and 3/32" long steel screwdriver tip. Ideal for aligning, adjusting, calibrating and fine tuning of electronic circuitry, potentiometers, oscilloscopes and electronic equipment. Made of a high impact non-conductive thermoplastic material. 5" long."



AT-3767/10



Alignment Tool (Pkg of 10) - AT-6241/10

2-in-1 non-conductive Alignment Tool 1/4" diameter, stepped down to 5/32" diameter. Ideal for most variable capacitors, coils and resistors. Also used to harness and separate fine wire terminals in computers, telephones and cables. Made of non-conductive thermoplastic material.



AT-6241/10



Clip Setter - CS-1022

For setting and withdrawing E and C clips with inside diameter of .156" min. and thickness of .025" min. Max inside diameter of 3" and thickness of .093" One end has a hook with leaf spring tension for removing the clip, the other end has leaf spring for holding clip in position to insert.



CS-1022



Orange Sticks

Static free double ended economical tool made of birch wood. Used for cleaning electrical components and separating contact points, fine wire and other delicate components. 3/16" diameter x 7" long. The S-389 has one end tapered to a point and the other end to a flat screwdriver type tip. The S-389M has both ends tapered with a flat screwdriver type tip.



Orange Sticks

JONARD P/N	DESCRIPTION
S-389/10	Orange Sticks Point & Flat end Pkg of 10
S-389/100	Orange Sticks Point & Flat end Pkg of 100
S-389M/10	Orange Sticks 2 Flat End Pkg of 10
S-389M/100	Orange Sticks 2 Flat End Pkg of 100



Probe Picks

Tough resilient yellow nylon probe "spudger." One end is tapered to a 1/16" diameter point having an "L" shaped wire hook extension. The other end tapers to a flat, 3/16" wide and 1/16" thick, with 2 small notches. Used in electrical contacts. 7" long.



Probe Picks

JONARD P/N	AVOIRDUPOIS CAPACITY
JIC-22035/10	Insulated Probe Pick Pkg of 10
JIC-22035NT/10	Uninsulated Probe Pick Pkg of 10



Spudger (Pkg of 10) - AT-3112/10

Plastic pencil type spudger tapered to a point on one end and screwdriver tip on other end. Used to form, shape, guide, spudge and separate fine computer wire terminals, telephone wires and cables. Also used for breaking solder bridges, probing or positioning loose components. Made of a high impact non-conductive thermoplastic material. 6" long double ended 5/16" diameter.



AT-3112/10



Alignment Tool Kit - TK-AT5

This 5 piece pocket alignment tool kit contains a selection of the most popular non-conductive tools for aligning and adjusting components.



TK-AT5

Kit Includes:

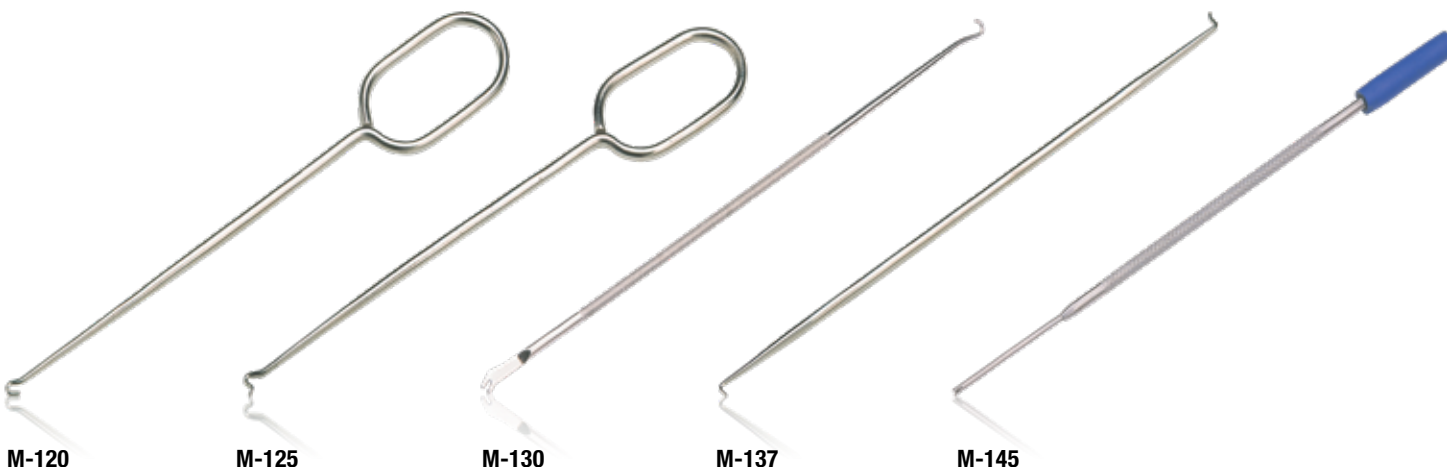
- AT-3112** Spudger
- AT-3767** Trimpot
- AT-6241** Alignment Tool
- S-389** Orange Stick
- JIC-22035** Probe Pick

Spring Hooks

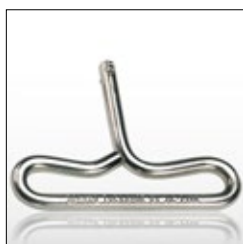
Used for inserting, removing and adjusting fine springs and other small parts in tight areas. Indispensable for precision work in production and maintenance of precision products, electronics, electromechanics and even maintenance jobs. All spring hooks are tapered to a fine point. Produced of the finest quality high carbon steel with a nickel-plated finish. We will custom design Spring Hooks to meet your specific requirements.



Spring Hooks



JONARD P/N	DESCRIPTION	DETAILS
M-120/5	Spring Hook, Pull, 6" (Pkg of 5)	Pull Hook with looped handle for maximum control
M-125/5	Spring Hook, Push, 6" (Pkg of 5)	Push Hook with looped handle for maximum control
M-130/SX5	Spring Hook, Pull & Lifter (Pkg of 5)	Pull Hook and lifter with a knurled grip
M-137/5	Spring Hook, Push & Pull, 7" (Pkg of 5)	Push & Pull 2 sided Hook
M-145/5	Spring Hook, Captive, 7" (Pkg of 5)	Spring loaded hook for capturing small wires, springs, or parts and holding them.



T Key Tool - JIC-719A

Ergonomic design hand grip T Key Tool made from a formed metal rod with a smooth tapered end which allows easier access. The solid pin at the end of the tool is a special heat treated alloy. The T Key is used to release the housing and door locking mechanism of the number 1A type coin telephone sets.



JIC-719A



Coin Leveling Tool - JIC-139B

Coin Leveling Tool is used for leveling coins in coin collectors when the coin receptacle becomes so full as to interfere with operation of the collector. May also be used to measure the degree of fullness by means of a calibrated scale and metal slider. 7" long.



JIC-139B

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