

# Wrap/Strip/Unwrap Tools

## Regular Wrap Tools

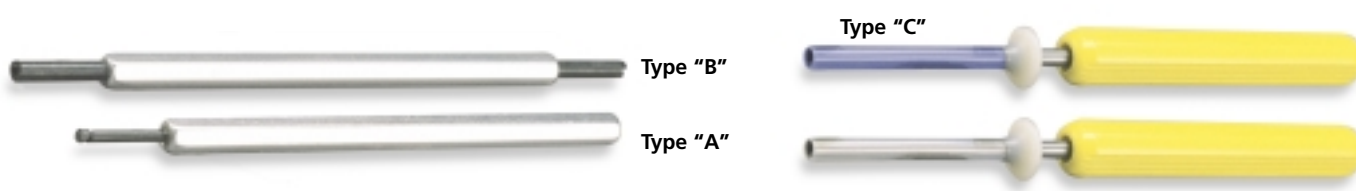


Part No.	Wire Size		Terminal Hole Diameter		Terminal Hole Depth		Outside Diameter	
	AWG	mm	In.	mm	In.	mm	In.	mm
HSR224	22-24	0.65-0.50	.075	1.90	1.50	38.1	.213	5.4
HSR30	30	0.25	.036	0.91	1.50	38.1	.125	3.18

## Modified Wrap Tools

Part No.	Wire Size		Terminal Hole Diameter		Terminal Hole Depth		Outside Diameter	
	AWG	mm	In.	mm	In.	mm	In.	mm
HSM24	24	0.50	.075	1.90	1.50	38.1	.213	5.4
HSM26	26	0.40	.075	1.90	1.50	38.1	.213	5.4
HSM30	30	0.25	.036	0.91	1.50	38.1	.125	3.18

# Hand Unwrapping Tools



Part No.	Type	Wire Size		Direction Of Unwrap		Terminal Hole Diameter		Terminal Hole Depth		Outside Diameter	
		AWG	mm	CCW ↺ (L)	CW ↻ (R)	Inches	mm	Inches	mm	Inches	mm
HU75	A	18-19	1.00-0.91	*		.075	1.90	1.000	25.40	.187	4.74
HU1	A	20-26	0.80-0.40	*		.070	1.77	1.000	25.40	.156	3.96
HU2	B	20-26	0.80-0.40	*	*	.070	1.77	1.000	25.40	.156	3.96
HU4	C	20-26	0.80-0.40	*		.070	1.77	2.360	60.00	.187	4.74
HU5	C	20-26	0.80-0.40	*	*	.070	1.77	2.360	60.00	.187	4.74
HU7	A	20-26	0.80-0.40	*		.086	2.18	.750	19.05	.156	3.96
HU8	A	20-26	0.80-0.40	*		.070	1.77	1.500	38.10	.120	3.04
HU52	A	20-26	0.80-0.40	*		.052	1.32	1.000	25.40	.120	3.04
HU52RL	B	20-26	0.80-0.40	*	*	.052	1.32	1.000	25.40	.120	3.04
HU5270	B	20-26	0.80-0.40	*		.052	1.32	1.000	25.40	.120	3.04
		20-26	0.80-0.40	*		.070	1.77	1.000	25.40	.120	3.04
HU120	A	20-26	0.80-0.40	*		.070	1.77	1.000	25.40	.120	3.04
HU120RL	B	20-26	0.80-0.40	*	*	.070	1.77	1.000	25.40	.120	3.04
HU93120	B	24-32	0.50-0.20	*		.038	0.96	1.000	25.40	.093	2.36
		20-26	0.80-0.40	*		.070	1.77	1.000	25.40	.120	3.04
HU93	A	24-32	0.50-0.20	*		.038	0.96	1.000	25.40	.093	2.36
HU93L	A	24-32	0.50-0.20		*	.038	0.96	1.000	25.40	.093	2.36
HU93RL	B	24-32	0.50-0.20	*	*	.038	0.96	1.000	25.40	.093	2.36
HU3	C	28-32	0.32-0.20	*	*	.038	0.96	.750	19.05	.156	3.96
HU45	A	20-26	0.80-0.40	*		.045	1.14	1.000	25.40	.120	3.04

## Micro Hand Wrap/Strip Tool MT30R & MT30M (Regular or Modified 30AWG)



Unlike other economy tools, this unique product features the following:

- High Quality Nickel Coated Brass Handle
- Bits are securely locked in with a collet allowing the operator to replace the bits easily without disposal of the entire tool.
- **This Micro Hand Wrap Tool available for Regular or Modified 30 AWG wraps.**
- Swivel End Cap is ergonomically designed to allow the operator to turn the tool effortlessly while fitting comfortable in the palm of the hand.
- Knurled Body is safety designed for preventing slippage.
- Storage cavity within handle for 30AWG wire stripper.



**Knurled Body is designed to prevent slippage.**



**Wire Stripper stored inside handle cavity.  
(Stripper Included).**



**Collet enables the operator to perform a quick bit change  
without disposal of the entire tool.**

## Bit Extensions

Part No.	Extension	
	Inches	mm
EX2	2.0	50
EX3	3.0	70
EX4	4.0	100

Fits all Electric, Pneumatic and Manual wire wrapping tools.  
Compatible with all bits and sleeves made for Power Wire Wrapping Tools.



## Wire Wrap Kits

This complete telecom wire wrap tool kit is designed to provide field service with a complete line of tools to perform regular wraps, unwrap and strip wires in two wire gauge sets - 22 & 24 or 22 & 26.\*

The tool kit includes:

- (1) Holster P/N TH250
- (1) Manual wire wrap gun P/N WG200-R3278
- (1) Wire stripper P/N WS100-224 or P/N WS100-2426
- (1) Hand wrap tool P/N HWR224 or P/N HWR2426
- (1) Bit and sleeve set P/N BR224+S171 or P/N BR2426+S171

Note: we will customize your kit with alternate bits, sleeves and wrap tool to meet your specific requirements.

Part No.	Description
KTW224	Wire Wrap Kit For 22-24 AWG
KTW2426	Wire Wrap Kit For 24-26 AWG

\* Other wire gauge sets are available upon request.



Part No.	Description			Bit & Sleeve Set	
	Wrap	AWG	Terminal Hole DIA		
KT22B	Regular	22	.075	BR 22	S171B
KT224B	Regular	22-24	.075	BR 224	S171B
KT24Y	Regular	24	.075	BR 24	S159Y
KT26G	Regular	26	.075	BR 26	S159G
KT26R	Modified	26	.040	BM2640	S93R
KT28B	Modified	28	.036	BM28	S93B
KT30W	Modified	30	.036	BM30	S93W



## Insulated Sleeves

Part No.	Description
S171B	S171 with 1" Blue Insulation
S171R	S171 with 1" Red Insulation
S159Y	S159 with 1" Yellow Insulation
S159G	S159 with 1" Green Insulation
S93B	S93 with 3/4" Blue Insulation
S93R	S93 with 3/4" Red Insulation
S93W	S93 with 3/4" White Insulation



# Cut-Strip-Wire (CSW) Bit and Sleeve Sets



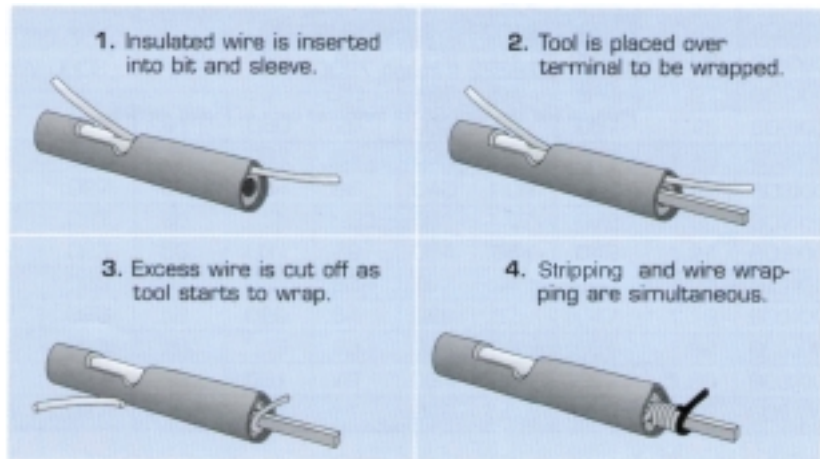
**CSW Bit and Sleeve Sets** make reliable wire wrapped connections directly from a cable, wire harness or reel. The CSW bit and sleeve tool cuts off the excess wire, strips the proper length of insulation and wraps the correct number of turns in one operation. Used like conventional bits and sleeves the CSW tool set requires no special training.

- **Eliminates pre-cutting, pre-stripping**
- **Cuts-Strips-Wraps in one operation**
- **Easy front-loading as with standard bits**
- **Ideal for terminating cables and wire harnesses**
- **Increases productivity**

\*For use only with PNEUMATIC tools without back force or ELECTRIC tools without back force. Recommended for use with JDV Products Inc.'s **LOW STRIP FORCE Kynar® Wire** (Page 22).

For other wires, please send us a sample for evaluation.

## Four Steps to a CSW Wire Wrapped Connection





### Cut-Strip-Wrap (CSW) Bit and Sleeve Sets

Bit & Sleeve Part Number	Wire Size			Type Wrap		Terminal Diagonal				Terminal Hole				Min. Terminal Spacing		Wire Insulation Dia.			
	AWG	In.	mm	Reg	Mod	Max.		Min.		Diameter		Depth		In. mm		Max.		Min.	
Matched sets						In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
CSW26M36	26	.016	0.40		X	.035	0.89	.031	0.79	.036	0.91	.75	19.0	.100	2.54	.030	0.76	.026	0.66
CSW28M36	28	.012	0.32		X	.035	0.89	.031	0.79	.036	0.91	.75	19.0	.100	2.54	.025	0.63	.022	0.56
CSW30M36	30	.010	0.25		X	.035	0.89	.031	0.79	.036	0.91	.75	19.0	.100	2.54	.021	0.61	.019	0.48

# Manual Wire Wrapping Tools & Accessories



Collet Style	Tool	Aluminum Housing Tool	Plastic Housing Tool
<b>CLAMP</b> 	Wrap	WG100 KS16363L1 *	WG200
	Unwrap	WG100 - C3394	WG200 - C3394
<b>CHUCK</b> 	Wrap	WG100 - R3278 KS16363L2 * CK16363L2 *	WG200 - R3278 KS16363L3 * CK16363L3 *
	Unwrap	WG100 - R3394	WG100 - R3394

\* KS and CK numbers are Western Electric, AT&T and Lucent part numbers.

## "SG" Type Sleeves

for use with "clamp style" tools

Part No.	Insulation Color
SG171B	Blue
SG171R	Red
SG159Y	Yellow
SG159G	Green



## Unwrap Tools

For Clamp Style Tools						
Unwrap Tool Set Part No.	Sleeve Part No.	Bit				
		Part No.	Wire size In mm	Term.Hole In mm		
UM 70	SM171	BU70	22	0.65	.070	1.77
			26	0.40		
UM 36		BU36	24	0.50	.036	0.96
			32	0.20		

For Chuck Style & Power Tools						
Unwrap Tool Set Part No.	Sleeve Part No.	Bit				
		Part No.	Wire size In mm	Term.Hole In mm		
UP 70	SP171	BU70	22	0.65	.070	1.77
			26	0.40		
UP 36		BU36	24	0.50	.036	0.96
			32	0.20		



SM171 Sleeve



BU70 Unwrap Bit



SP171 Sleeve

# Electric / Battery Powered Wire Wrapping/Unwrapping Tools

## AC-Powered Wire Wrapping Tools



The WG601 series AC-Powered Electric Tools are a heavy-duty, rugged design for all of your Wire Wrapping needs.

- ◆ Operator Adjustable indexing position of the bit to suit individual preference.
- ◆ High quality electric motor provides steady performance for light to heavy production.
- ◆ High impact-resistant plastic housing.
- ◆ Ergonomically designed to reduce operator strain and fatigue.
- ◆ Planetary gear reduction drive, insulated collet and collet nut, light trigger action and two-wire cord.
- ◆ Double insulated.
- ◆ Weight: 18oz

Part Number	Type	Voltage	HZ	Speed	Production	Wire Size
WG601	Standard	120	60	4500 RPM	Light-Heavy	18-32 AWG
WG601BF	Backforce	120	60	4500 RPM	Light-Heavy	18-32 AWG

\*\* (For 220/230 Volt, please call JDV Products Inc. at 201-796-1720) \*\*

## Battery-Powered Wire Wrapping & Unwrapping Tool



The WG500 series lightweight portable Wire Wrapping Tool can be used on the bench or in remote Central Office locations.

- ◆ Ideal for jobs without a convenient power source.
- ◆ Ergonomically designed to reduce operator strain and fatigue.
- ◆ Operator Adjustable indexing position of the bit to suit individual preference
- ◆ Self-aligning gearing system reduces part breakage and repairs.
- ◆ Reduced electrical interference.
- ◆ Compact charger unit (included) recharges batteries in one hour.
- ◆ 1100 connections with one charge.
- ◆ Standard rechargeable and non-rechargeable C batteries may be used in an emergency basis.
- ◆ High impact-resistant plastic housing.
- ◆ Weight: 14oz

Part Number	Type	Voltage	HZ	Speed	Production	Wire Size
WG500	Standard	120	60	3000 RPM	Light-Med	22-32 AWG
WG500BF	Backforce	120	60	3000 RPM	Light-Med	22-32 AWG

# Air Powered Wire Wrapping Tools And Accessories

## Pneumatic Wire Wrapping Tools

**WG300** - perfectly balanced and lightest pneumatic wire wrapping tool available, designed to operate at 80-110 PSI (6-7 BAR). **WG300** is rated for heavy duty application wrapping **18AWG** wire yet it is ideal tool for delicate **32 AWG** work.



**WG300**

**NEW**  
**Jdv**  
**FROM**

Part No.	Backforce	Speed	Weight	Wire Size
WG300		4500RPM	110z.	18 thru 32 AWG
WG300BF		4500RPM	300g	1.0mm thru 0.20mm

## Triggerless Pneumatic Wire Wrapping Tools

**WG400** - Triggerless / Ergonomic air wire wrapping tool designed for high production environment reducing wire wrapping muscle fatigue. This triggerless tool combined with **WAC400** air logic controller uses 3 psi back-pressure signal to operate the tool requiring only slightest movement of the thumb over a small air sensor hole.



**WG400**



**WAC400**

**NEW**  
**Jdv**  
**FROM**

Part No.	Description
WG400	Triggerless air logic tool
WG400BF	Triggerless backforce air tool
WAC400	Air logic controller

## Air Regulating System

**WAC100** - All air powered tools require an air supply that is properly lubricated, regulated and filtered. The **WAC100** is a precision oiler and regulating system in one compact unit. For use with **WG300/400** as well as all other pneumatic tools.



**WAC100**

# Wire Cut and Strip Attachment for Pneumatic Wire Wrap Tools



**WS500** wire cut and strip attachment increases productivity by eliminating the need for two tools.

The precision design allows easy adjustment of strip lengths within a range of 11/16" to 2".

The **WS500** easily slips on a **WG300** or **WG400** model pneumatic wire wrapping tool and is easily secured with two set screws.

The rugged mounting bracket will endure the rigors of everyday use.

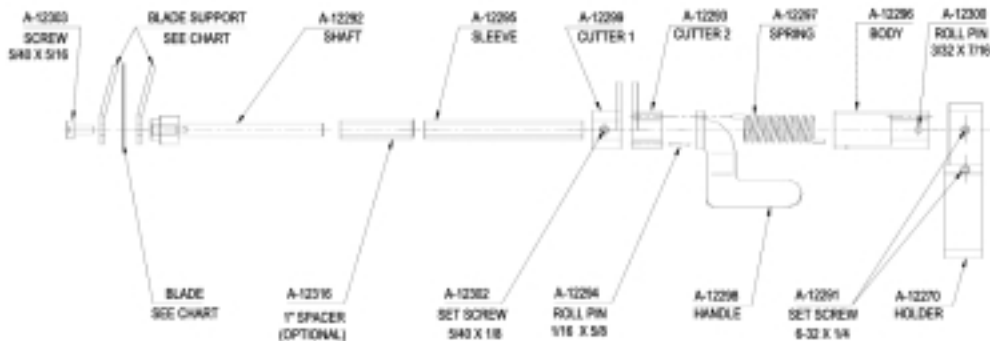
Cuts & strips 22-30AWG Kynar™ and all PVC type insulations from reel or harness without nicking the conductor.

(Left)  
Example of WS500 mounted on WG300 Pneumatic Wire Wrapping Tool.

### WS500 Series


Part No.	Wire Size		Adjustable Strip-Off Length		Replacement Blades Part No.
	AWG	mm	Inches	Inches	
WS500-22	22	0.65	11/16" to 2"	17.46 to 50	WSG22
WS500-24	24	0.50	11/16" to 2"	17.46 to 50	WSG24
WS500-224	22-24	0.65-0.50	11/16" to 2"	17.46 to 50	WSG224
WS500-26	26	0.40	11/16" to 2"	17.46 to 50	WSG26
WS500-2426	24-26	0.50-0.40	11/16" to 2"	17.46 to 50	WSG2426
WS500-28	28	0.32	11/16" to 2"	17.46 to 50	WSG28
WS500-30	30	0.25	11/16" to 2"	17.46 to 50	WSG30

\*Optional spacer is available to maintain a 1inch strip length. See illustration below for part number





# SW SEMI-AUTOMATIC WIRE WRAPPING SYSTEM



**Complete system consists of:**

- 1) X-Y Wiring Table (see chart)
- 2) Controller System, consisting of:
  - \*Controller
  - \*Manual
  - \*Key Pad
  - \*Software
  - \*Power Cable
  - \*Interface Cable
  - \* "Y" Connector
- 3) Computer System: PC, Monitor, Keyboard and Mouse
- 4) 40 Tube Wire Storage Bin
- 5) Lift base, models SW-3100/3200 and SWT-3100 ONLY

The SW-1100, SW-2100 and SW-3100 Semi Automatic Wire Wrapping Systems are designed to significantly speed up the wire wrapping process by pointing the operators wire wrap tool to the correct pins and giving the operator step-by-step instruction through on-screen prompts, thus guiding the operator through the entire wire wrapping process. The result is a 10-fold increase in production rate and the potential for significant reduction in technician error over manual wire wrapping. The systems are designed for ease-of-use, and are significantly more cost-effective than fully-automatic systems.

The newly designed Rapid Wrap System Controller incorporates many new features/benefits, including:

- \* Parts programming in industry-proven ASCII format. User selectable units of measure.
- \* Very simple WIN95/98 user interface.
- \* Maintains a time-stamped text log file of activities such as: Starting and finishing a job, last position (in case of power failures), user and supervisor logins/logouts.
- \* Easily networkable through WIN95/98 networking.
- \* Prompts the operator with wire bin numbers, thus reducing potential for human error.

SYSTEMS	
SW1100	Complete System with 20x20 X-Y Table
SW2100	Complete System with 40"x 30" X-Y Table
SW3100	Complete System with 40"x 30" X-Y Table and Lift Base
SW1200 *	System Without Computer
SW2200 *	System Without Computer
SW3200 *	System Without Computer

•• Please call for "computer minimum requirements"

System Components	
SWB40	40 Tube Wire Storage Bin
SWC2000	Controller System With Software
SWS2000	Computer System
SWT1100	X-Y Wiring Table 20"x 20" Wire Area
SWT2100	X-Y Wiring Table 40"x 30" Wire Area
SWT3100	X-Y Wiring Table 40"x 30" With Electric Lift Base
SWRCC	Retrofit Connector Cable Assembly
SWLB115	Electric Lift Base, 115 Volts
SWLB230	Electric Lift Base, 230 Volts



SWT2100



SWS2000

SWC2000



SWB40

SW System	Tables			Computer System SWS- 2000	Controller w/Software SWC- 2000	Wire Bin SWB-40
	SWT1100	SWT 2100	SWT 3100			
SW1100	•			•	•	•
SW2100		•		•	•	•
SW3100			•	•	•	•
SW1200	•				•	•
SW2200		•			•	•
SW3200			•		•	•

Note: Systems available in 110VAC 50/60Hz or 230VAC 50/60Hz- Customer should specify.