Tools for solar professionals

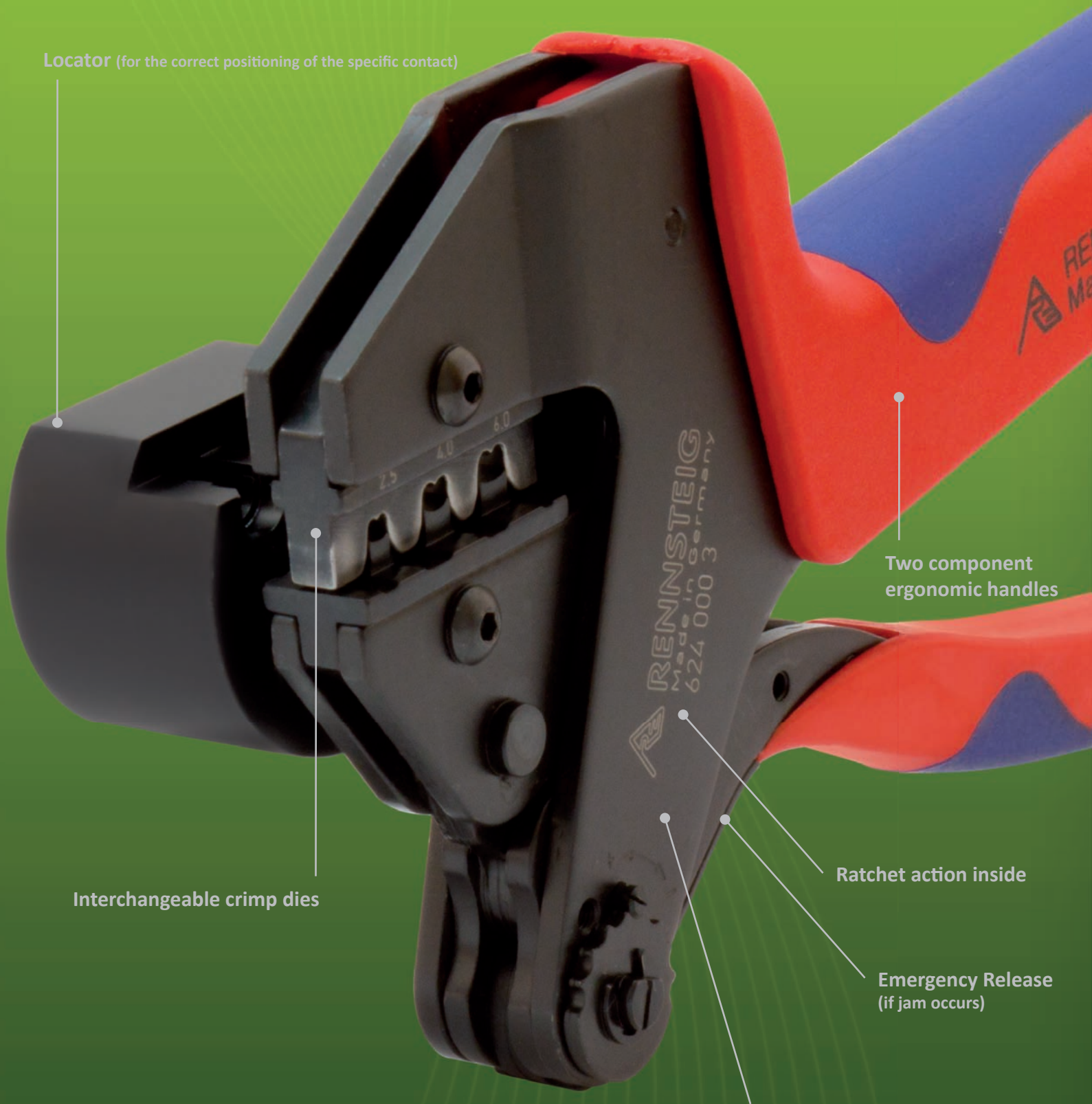
RENNSTEIG

Precision tools Made in Germany

2010

When it‘s a RENNSTEIG,

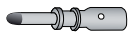
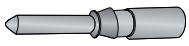
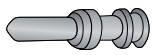
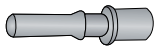
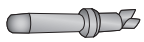
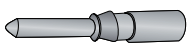
YOU can feel it.


Locator (for the correct positioning of the specific contact)
Two component ergonomic handles
Interchangeable crimp dies
Ratchet action inside
Emergency Release
(if jam occurs)
Solid construction
PATENTED

Solar System Tool

This crimp tool is recommend for crimping solar contacts. The excellent handling, easy exchange of the crimping insert bits and the possibility of adding a positioning aid are facts in favour of these crimping pliers.

- High-precision ratchet mechanism for complete crimps
- 1.2 metric tons pressure at crimping face, with minimal hand effort
- **Interchangeable high-precision Crimping Die Set**
- Parallel jaws for even crimps
- Interchangeable Locator for precision positioning of terminals
- Top German build quality throughout

Part #	Contacts	Item	Max. Wire Size (AWG)	Length	Weight	Manufacturer/ Application
R624 194 3		Complete Tool with Die Set	14/12/10	8“	1.43 lbs.	Multi-Contact MC3
R624 194 3 1		Complete Tool with Die Set + Locator	14/12/10	8“	1.63 lbs.	
R624 570 3		Complete Tool with Die Set	14/12/10	8“	1.43 lbs.	Multi-Contact MC4
R624 570 3 1		Complete Tool with Die Set + Locator	14/12/10	8“	1.72 lbs.	
R624 817 3		Complete Tool with Die Set	16/14/12/10	8“	1.43 lbs.	Tyco (Solarlok)
R624 817 3 1		Complete Tool with Die Set + Locator	16/14/12/10	8“	1.72 lbs.	
R624 071-1 3 RT		Complete Tool with Die Set	16/14	8“	1.52 lbs.	Wieland
R624 071-1 3 16 RT		Complete Tool with Die Set + Locator	16/14	8“	1.72 lbs.	
R624 073-1 3 RT		Complete Tool with Die Set	12/10/8	8“	1.52 lbs.	
R624 073-1 3 16		Complete Tool with Die Set + Locator	12/10/8	8“	1.72 lbs.	
R624 1194 3		Complete Tool with Die Set	14/12/10	8“	1.43 lbs.	Amphenol H4 Now available
R624 1194 3 1		Complete Tool with Die Set + Locator	14/12/10	8“	1.63 lbs.	
R624 231 3 1		Complete Tool with Die Set + Locator	14/12/10	8“	1.63 lbs.	Lumberg LC3 Now available
R624 232 3 1		Complete Tool with Die Set + Locator	14/12/10	8“	1.63 lbs.	Lumberg LC4 Now available
R624 188 3		Complete Tool with Die Set	14/10	8“	1.43 lbs.	Huber+Suhner
R624 205 3		Complete Tool with Die Set	12/10	8“	1.43 lbs.	
R624 072 3		Complete Tool with Die Set	16/14/12/10	8“	1.43 lbs.	HTS
R624 072 3 1		Complete Tool with Die Set + Locator	16/14/12/10	8“	1.72 lbs.	
R624 369 3 1		Complete Tool with Die Set + Locator	16/14/12/10	8“	1.63 lbs.	Yukita

Other applications on request. *At Rennsteig, we stay on top of the market. When new connectors come out and gain ground, you can be sure we'll make die sets for them. What does this mean? It means you don't have to invest in a whole new crimp tool. You can just get an additional die set to fit your existing crimp tool, and you're ready to install the latest gear.*

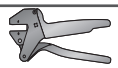
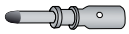
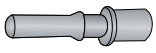
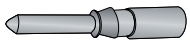
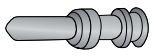
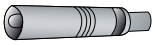
Locator
(for precise positioning of connector)

Interchangeable crimping die set
(fits in our Solar system tool)

Single components: Tool Frame, Crimping Die Sets & Locators

Crimping Die Set:
Each type and size of terminals needs its own crimp. Just squeezing it isn‘t enough - you have to get exactly the right dimension crimp, if you want a good connection that gives good conductivity year after year, under all conditions.

Locator:
The Locator holds the terminal in the tool so that you don‘t need 3 hands to make a crimp.
But it also does more. It positions the terminal so you always crimp it in the right place, for a high-quality connection every time.

R624 000 3		Tool Frame	-	8“	1.37 lbs.	-
Part #	**Contacts**	**Item**	**Max. Wire Size (AWG)**	**Length**	**Weight**	**Manufacturer/ Application**
R624 194 3 0		Crimping Die Set	14/12/10	1 ½“	0.11 lbs.	Multi-Contact MC3
R624 194 0 01		Locator	14/12/10	1 ½“	0.18 lbs.	
R624 570 3 0		Crimping Die Set	14/12/10	1 ¼“	0.11 lbs.	Multi-Contact MC4
R624 570 0 01		Locator	14/12/10	1 ½“	0.18 lbs.	
R624 1194 3 0		Crimping Die Set	14/12/10	1 ¼“	0.11 lbs.	Amphenol H4 Now available
R624 1194 0 01		Locator	14/12/10	1 ½“	0.18 lbs.	
R624 817 3 0		Crimping Die Set	16/14/12/10	1 ¼“	0.11 lbs.	Tyco (Solarlok)
R624 817 0 01		Locator	16/14/12/10	1 ½“	0.18 lbs.	
R624 071-1 3 0		Crimping Die Set	16/14	1 ¼“	0.11 lbs.	Wieland
R624 073-1 3 0		Crimping Die Set	12/10/8	1 ¼“	0.11 lbs.	
R624 071 0 016		Locator	16/14/12/10/8	1 ½“	0.18 lbs.	
R624 188 3 0		Crimping Die Set	14/12	1 ¼“	0.11 lbs.	Huber+Suhner
R624 205 3 0		Crimping Die Set	12/10	1 ¼“	0.11 lbs.	
R624 072 3 0		Crimping Die Set	16/14/12/10	1 ¼“	0.11 lbs.	HTS
R624 231 3 0		Crimping Die Set	14/12/10	1 ¼“	0.11 lbs.	Lumberg LC3 Now available
R624 231 0 01		Locator	14/12/10	1 ½“	0.18 lbs.	
R624 232 3 0		Crimping Die Set	14/12/10	1 ¼“	0.11 lbs.	Lumberg LC4 Now available
R624 232 0 01		Locator	14/12/10	1 ½“	0.18 lbs.	
R624 369 3 0		Crimping Die Set	16/14/12/10	1 ¼“	0.11 lbs.	Yukita
R624 369 0 01		Locator	16/14/12/10	1 ½“	0.18 lbs.	

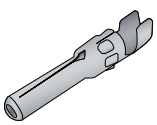
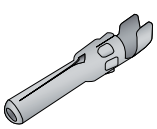
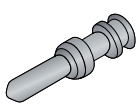
Other applications on request. *At Rennsteig, we stay on top of the market. When new connectors come out and gain ground, you can be sure we'll make die sets for them. What does this mean? It means you don't have to invest in a whole new crimp tool. You can just get an additional die set to fit your existing crimp tool, and you're ready to install the latest gear.*

Two component
ergonomic handles
Locator (for the correct positioning
of the specific contact)
RENNSTEIG
Made in Germany
RENNSTEIG
Ratchet action inside
Emergency release
(if jam occurs)
Solid construction
Cutting
Stripping
Crimping

CSC Multifunction Tool

No more carrying around 3 different tools, when all you really want to do is make a connection.
„CSC“ stands for Cut - Strip - Crimp, and that‘s what this tool does. *Unique in the industry!*

- For cutting, stripping and crimping of solar contacts with just one tool
- Includes Die Set
- Options include other wire sizes and connector types
- Burnished finish, solid construction, easy to handle

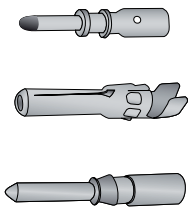
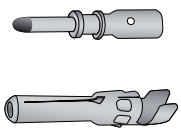
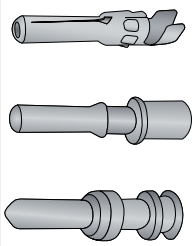
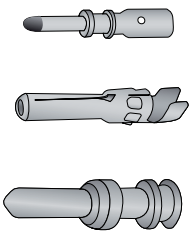
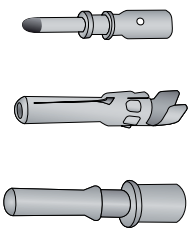
Part #	Contacts	Item	Max. Wire Size	Length	Weight	Manufacturer/ Application
R624 004 3		Tool with Die Set	AWG 12 (4 mm²)	8“	1.43 lbs.	Multi-Contact MC4 Solarline 2
R624 004 3 1		Tool with Die Set and Locator	AWG 12 (4 mm²)	8“	1.43 lbs.	
R624 006 3		Tool with Die Set	AWG 10 (6 mm²)	8“	1.43 lbs.	
R624 006 3 1		Tool with Die Set and Locator	AWG 10 (6 mm²)	8“	1.43 lbs.	
R624 004 TBD		Tool with Die Set	AWG 12 (4 mm²)	8“	1.43 lbs.	Wieland Now available
R624 006 TBD		Tool with Die Set	AWG 10 (6 mm²)	8“	1.43 lbs.	

For Multi-Contact MC3 or other applications on request.

Protective case
Free space for
MC4 Assembly Keys
Solar system
tool
Spare
parts
Storage space for up
to 5 different die sets
and locators
Additional storage space

Solar Crimp Set

This professional set has everything you need for making solar wire connections. All components are top-quality Rennsteig tools designed Made in Germany and specially for the solar industry.

SERIES 2010							
Part #	**Contacts**	**Content**	**Max. Wire Size (AWG)**	**Dimension**	**Weight**	**Manufacturer/ Application**	
R624 105-13		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Tyco-Die-Set Tyco-Locator Spare parts	16/14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4 lbs.	Multi-Contact MC3, Multi-Contact MC4, Tyco (Solarlok)	
R624 105-14		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Spare parts	14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4 lbs.	Multi-Contact MC3, Multi-Contact MC4	
R624 105-18		Solar Crimp Tool MC4-Die-Set MC4-Locator H4-Die-Set H4-Locator Wieland-Die-Set Wieland-Locator	14/12/10/8	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4 lbs.	Multi-Contact MC4, Amphenol H4, Wieland	
R624 105-19		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Wieland-Die-Set Wieland-Locator	14/12/10/8	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4 lbs.	Multi-Contact MC3, Multi-Contact MC4, Wieland	
R624 105-20		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator H4-Die-Set H4-Locator	14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4 lbs.	Multi-Contact MC3, Mult-Contact MC4, Amphenol H4	

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Protective case
Free space for
MC4 Assembly Keys
Solar system
tool
Spare
parts
Storage space for up
to 5 different die sets
and locators
Additional storage space

Custom Solar Crimp Set *„ONE FOR ALL“*

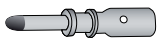
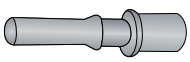
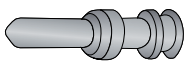
Our “Custom Solar Crimp Set “, gives YOU the opportunity to create your own set. With a top-quality Rennsteig Solar System Crimp Tool, Crimp Dies and Locators of your choice, up to 5 different combinations are possible. YOU decide which ones you need. We offer tools for all common manufacturers like Multi-Contact, Tyco, Amphenol, Wieland and many others.

You decide which ones you need!

Base

Part #	Item
R624 105-12	Empty Tool Frame in portable plastic case *(chrome finished tool frame on request)*

Select the items YOU need.

Part #	Contacts	Item	Max. Wire Size (AWG)	Manufacturer/ Application
R624 194 3 0		Die Set only	14/12/10	Multi-Contact MC3
R624 194 0 01		Locator only	14/12/10	
R624 570 3 0		Die Set only	14/12/10	Multi-Contact MC4
R624 570 0 01		Locator only	14/12/10	
R624 1194 3 0		Die Set only	14/12/10	Amphenol H4
R624 1194 0 01		Locator only	14/12/10	
R624 817 3 0		Die Set only	16/14/12/10	Tyco (Solarlok)
R624 817 0 01		Locator only	16/14/12/10	
R624 071-1 3 0		Die Set only	16/14	Wieland
R624 073-1 3 0		Die Set only	12/10/8	
R624 071 0 016		Locator only (for 71-1/73-1)	16/14/12/10/8	

Other applications on request.

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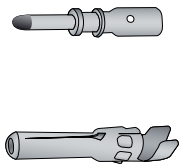
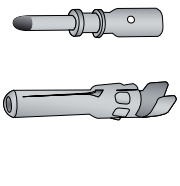
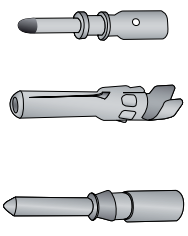
Protective case
Spare parts
Solar system tool
Additional locators
Additional crimp die sets (interchangeable)
Insulation stripper
Cable cutter

Professional Solar Wiring/Crimping Kits

A "Must" for Installers

Save money...by fabricating your own PV wires. This professional kit has everything you need for making solar wire connections, from cutting to stripping to crimping. All components are top-quality Rennsteig tools designed and made in Germany specially for the solar industry.
Every Kit includes:

- Crimping Die Sets
- Locators (for correct positioning of the terminal)
- Insulation stripper
- Cable cutter
- Different spare parts

Part #	Contacts	Content	Max. Wire Size (AWG)	Dimension	Weight	Manufacturer/ Application	
R624 105-02		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Insulation Stripper Cable Cutter	14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.80 lbs.	Multi-Contact MC3, Multi-Contact MC4	
R624 105-03		Solar Crimp Tool Tyco-Die-Set Tyco-Locator Insulation Stripper Cable Cutter	16/14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.58 lbs.	Tyco (Solarlok)	
R624 105-06		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Tyco-Die-Set Tyco-Locator Insulation Stripper Cable Cutter	16/14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.98 lbs.	Multi-Contact MC3, Multi-Contact MC4, Tyco (Solarlok)	
COMING SOON							
R624 105-11		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Tyco-Die-Set Tyco-Locator Insulation Stripper Cable Cutter Assembly Tool for MC3 couplers	16/14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	-	Multi-Contact MC3, Multi-Contact MC4, Tyco (Solarlok)	

Other combinations on request.

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Spare parts
Solar system tool
Additional locators
Additional crimp die sets (interchangeable)
Insulation stripper
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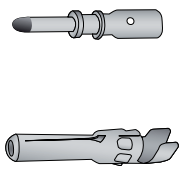
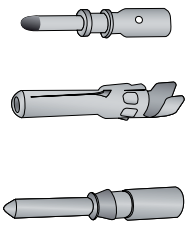
- Insulation stripper
- Cable cutter
- Different spare parts

Part #	Contacts	Content	Max. Wire Size (AWG)	Dimension	Weight	Manufacturer/ Application	
R624 105-15		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator H4-Die-Set H4-Locator Insulation Stripper Cable Cutter	14/12/10	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.80 lbs.	Multi-Contact MC3, Multi-Contact MC4, Amphenol H4	
R624 105-16		Solar Crimp Tool MC3-Die-Set MC3-Locator MC4-Die-Set MC4-Locator Wieland-Die-Set Wieland-Locator Insulation Stripper Cable Cutter	14/12/10/8	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.58 lbs.	Multi-Contact MC3, Multi-Contact MC4, Wieland	
R624 105-17		Solar Crimp Tool MC4-Die-Set MC4-Locator H4-Die-Set H4-Locator Wieland-Die-Set Wieland-Locator Insulation Stripper Cable Cutter	14/12/10/8	3 ¼“ Height 13 ½“ Length 10 ¾“ Width	4.98 lbs.	Multi-Contact MC4, Amphenol H4, Wieland	

Other combinations on request.

At Rennsteig, we stay on top of the market. When new connectors come out and gain ground, you can be sure we'll make die sets for them. What does this mean? It means you don't have to invest in a whole new crimp tool. You can just get an additional die set to fit your existing crimp tool, and you're ready to install the latest gear.

FASTER
BETTER
EASIER

Teflon® coated steel spindles

Removable grip magazine

Safety lock

Ergonomic high-strength plastic housing

Integral wire gripper

Assembly Tool for mounting of MC3 couplers

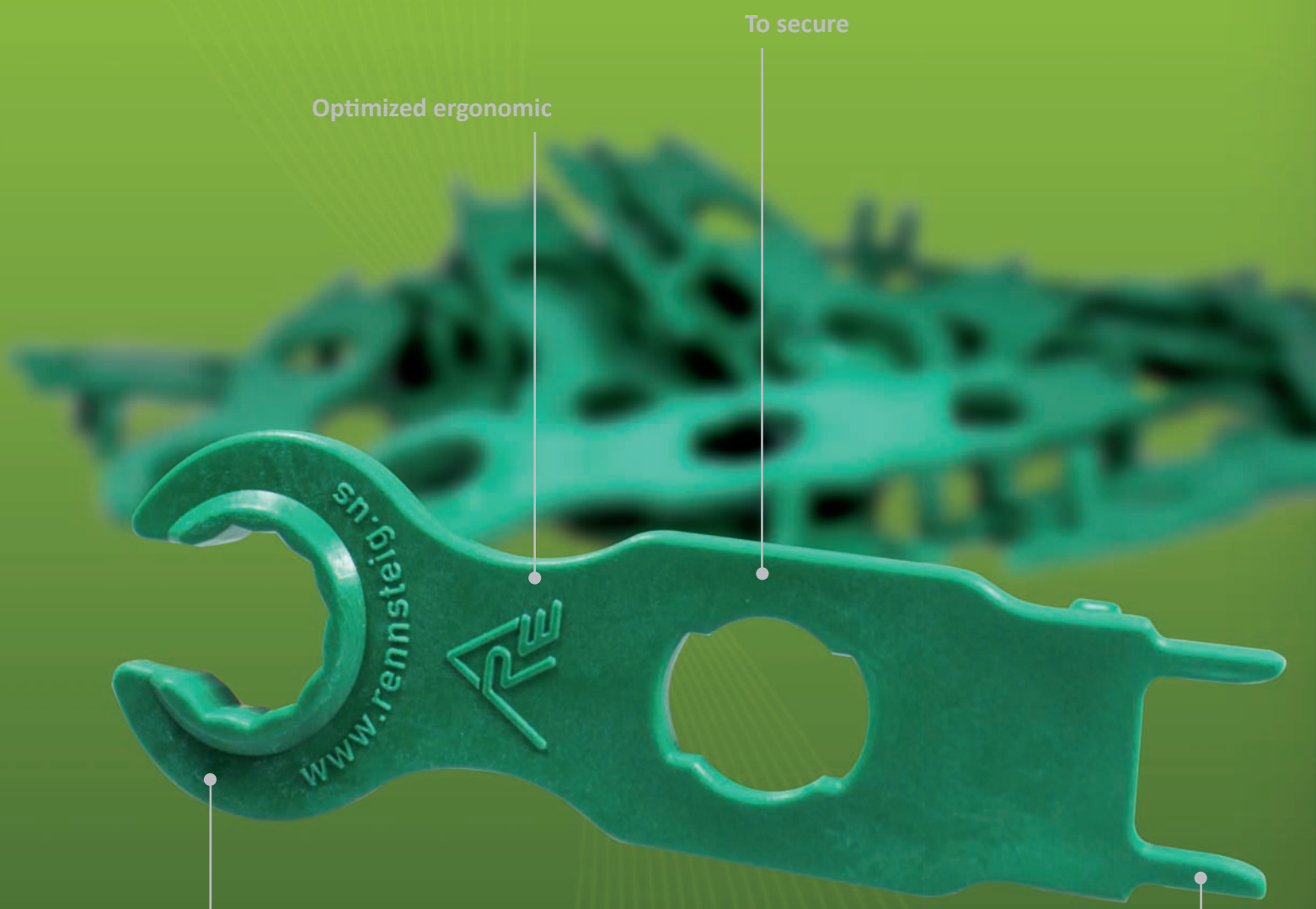
Simplifies assembly of MC3 connections. Ergonomic and facile use. Up to 3 spindles can be stored in grip. Compact shape for easy storage and carry.

- AWG 14/12/10
- Includes 2 tapered spindles

Suitable for on-site use, on roofs, etc.

Part #	Item	Max. Wire Size (AWG)	Length	Weight	Manufacturer/ Application
R725 000	Complete Tool (High-strength plastic housing)	14/12/10	13“	1.01 lbs.	Multi-Contact MC3 Solarline 1
R725 000 01	Replacement wire gripper	14/12/10	-	-	
R725 001	Empty spindle magazine	-	6“	0.27 lbs.	
R725 002	Replacement spindles, Teflon® coated steel	14/12/10	-	-	
R725 003	Replacement spindles, Teflon® coated steel	10	-	-	

Spindle for AWG 8 on request.

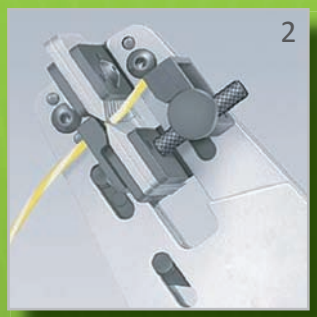

To secure
Optimized ergonomic
www.rennsteig.us
To open the locking device
Open end spanner to tighten and loosen

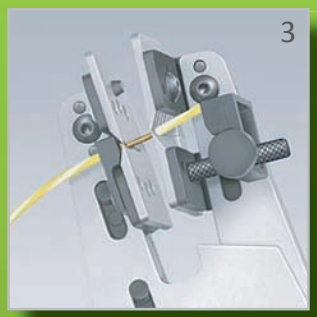
Assembly key for MC4 couplers

This absolutely ergonomic plastic open end spanner is for tighten and loosen of the cable gland. You can use this key also for breaking connections (open the locking) after they have already been locked together.

To tighten the cable gland, we recommend using two keys.
The Assembly Key comes in green.

Part #	Item	Length	Weight	Manufacturer/ Application
R690 001	Complete Tool (High-strength plastic)	4 ½“	0.03 lbs.	Multi-Contact MC4 Solarline 2





Dual component
comfort grip handles

Length scale

Adjustable length stop

Head burnished or chromed

Interchangeable stripping blades

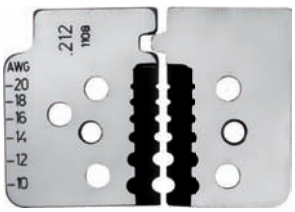
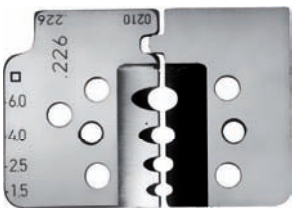
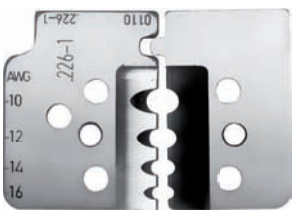
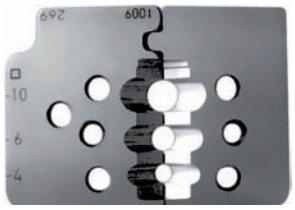
PATENTED

Insulation Stripper with Replaceable Blades

Unlike other strippers that only cut insulation partially and tear the rest, this Rennsteig stripper cuts the insulation around the entire circumference of the wire, and then pulls it gently off the end. There is never any damage to the leads.

Replaceable stripping blades let you configure the stripper to your needs. When the blades wear out, you can replace them without needing to get a new stripper - for significant savings.

- For two-stage stripping action
- Specialized tool with length stop, for precise stripping and dismantling of single and multi-strand cables
- No pinching or deformation of cable ends
- Interchangable blades for different wire gauges
- **Custom blade design upon request**
- Burnished finish, ergonomically designed two-component handles
- Solid construction, easy to handle

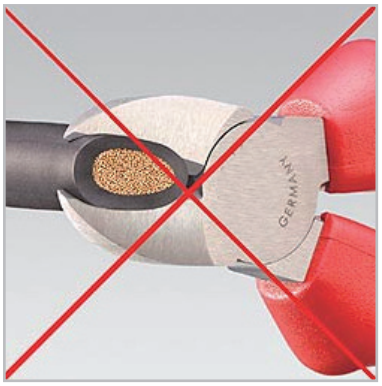
Blade	Part #	Item	Max. Wire Cross section	Length	Weight
	607 212 3	Tool for AWG cable	AWG 20/18/16/14/12/10	8“	0.9 lbs.
	607 226 3	Tool for metric solar cable	1.5/2.5/4/6 mm² similar to AWG 16/14/12/10	8“	0.9 lbs.
	607 226-1 6 RT	Tool for solar cable	AWG 16/14/12/10	8“	0.9 lbs.
	607 269 3	Tool for solar cable	4/6/10 mm² similar to AWG 12/10/8	8“	0.9 lbs.

Special tool steel, forged
Ergonomic grips
Precision ground blades
Safety lock

Cable Cutter D15

This specially-designed Rennsteig Cable Cutter gives you clean, straight, burr-free cuts, with no wire end deformation. Wires stay round, so they fit better and more securely in terminals. The ergonomic form factor makes your job easier, too.

- Perfect for cutting almost all cables (*Not for steel wire or hard-drawn copper cables)
- Plastic coated handles
- Easy, clean, one hand cuts
- Sharp, hardened, precision-ground blades
- No crushing or deformation of cables



	Part #	Description	Max. Wire Cross section	Length	Weight
	600 015 3	Burnished, plastic coated	50 mm² similar to AWG 1/0	6 ¾“	0.5 lbs.
	600 015 36	Burnished, reinforced plastic grips	50 mm² similar to AWG 1/0	6 ¾“	0.5 lbs.
	600 016 3	Burnished, spring loaded, plastic coated	50 mm² similar to AWG 1/0	6 ¾“	0.5 lbs.
	600 016 36	Burnished, spring loaded, reinforced plastic grips	50 mm² similar to AWG 1/0	6 ¾“	0.5 lbs.

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Huber+Suhner

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HTS

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Rennsteig can help you streamline your solar installs, by giving you the tools you need to do a fast, professional job. These precision cutting, stripping and crimping tools are specifically engineered for the wires and terminals specific to the solar industry. Our top-quality tools are designed for durability and efficiency, and give you consistently excellent results. RENNSTEIG TOOLS MEET THE REQUIREMENTS OF THE PROFESSIONAL USER.

Notes

Registered trademarks: MC® = Multi-Contact AG | Solarlok® = Tyco Electronis

Rennsteig Tools, Inc. - Precision Tools Made in Germany

A leading US and German producer of high quality hand tools, Rennsteig Werkzeuge designs and manufactures state of the art crimping, cutting, and stripping tools. The company follows a long tradition of specialty hand tool development and manufacturing which enables it to craft exceptionally dynamic hand tools.

In January 2006, Rennsteig Werkzeuge established Rennsteig Tools Inc. with a sales office in Hudson, Ohio to better serve the North American market (including Canada and Mexico). From this location, the company provides precision tools that conform to USCAR 21 and other North American specifications. Rennsteig Tools Inc. supplies distributors, dealers, OEMs, secondary suppliers and individuals across various industries.
In November 2009, Rennsteig underscored its commitment to US market with the opening of a new warehouse in Somerdale NJ.
In August 2010, Rennsteig moved from Hudson, OH to a new Sales Office in Rutherford, NJ.

Rennsteig offers the right tools to help you do a professional job, by making electrical connections neat, durable, and fast.

Member of

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We are the manufacturer. WE KNOW HOW!