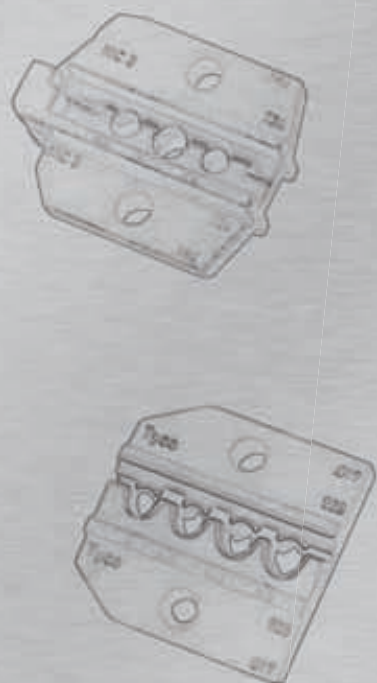


Tools *for solar professionals*



RENNSTEIG
The Right Tool.



For MC4 (Solarline 2)



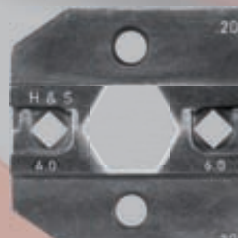
For MC3 (Solarline 1)



For Tyco (Solarlok®)



For Wieland (gesis®)



For Huber+Suhner (Radox®)



For Amphenol (Helios H4)

Catalog

When it's a RENNSTEIG,
YOU can feel it.



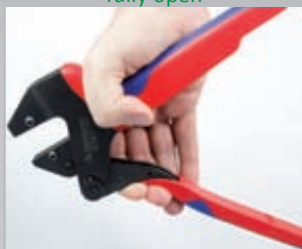
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Double-plated ratchet gear extends tool life



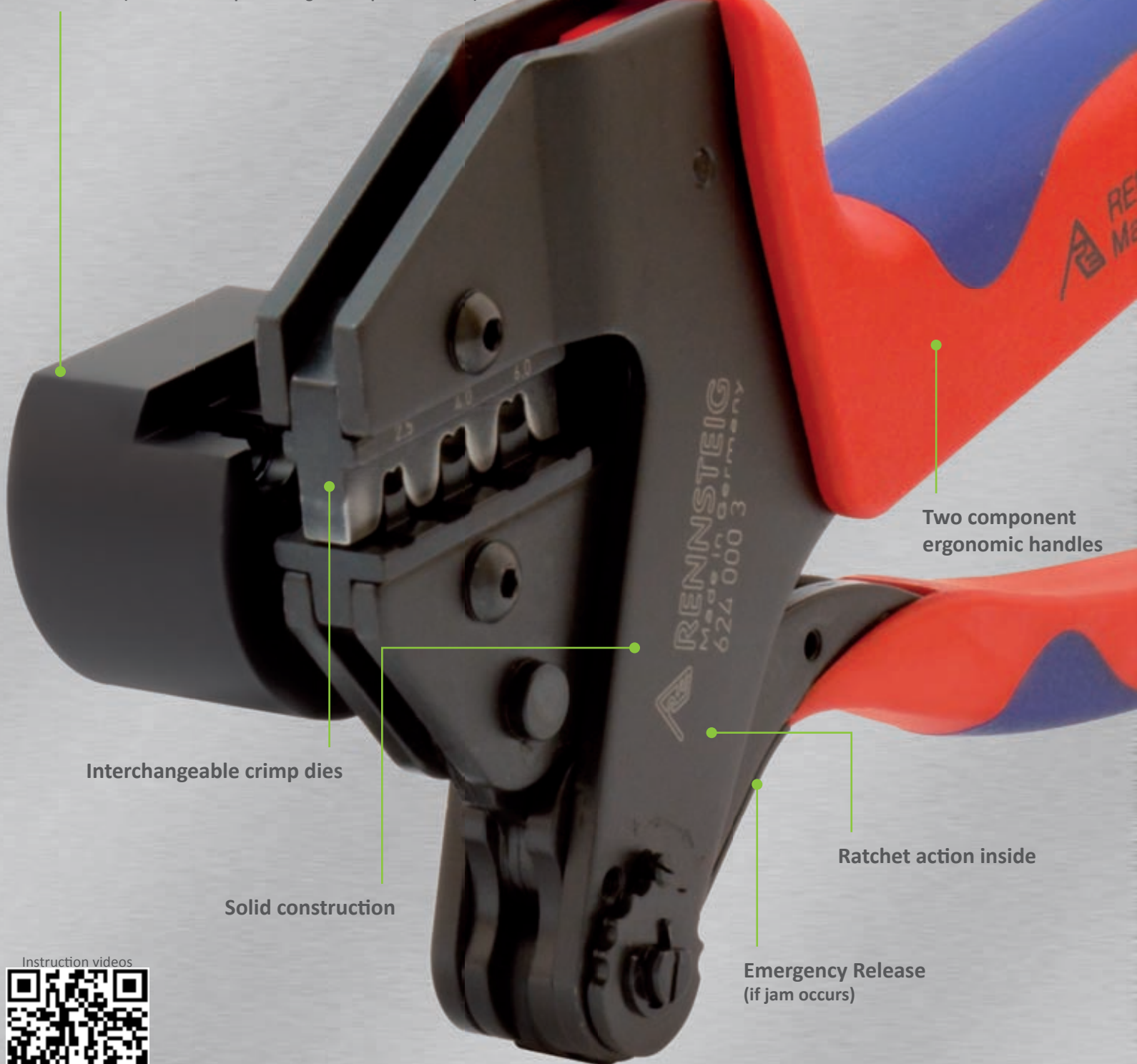
Easy grip even when fully open



Parallel crimping



Locator (for the correct positioning of the specific contact)



Interchangeable crimp dies

Solid construction

Two component ergonomic handles

Ratchet action inside

Emergency Release
(if jam occurs)

Instruction videos



Solar System Tool

This crimp tool is recommended 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
- Made in Germany - made by Rennsteig

For Multi-Contact MC3 (Solarline 1)



Wire Gauge	14/12/10	
Length	8"	
Weight	1.43 lbs. - 1.63 lbs.	
Part #	624 194 3	Tool w/ Die Set
	624 194 3 1	Tool w/ Die Set + Locator
For Wire Gauge 12/10/8	624 348 3	Tool w/ Die Set
	624 348 3 1	Tool w/ Die Set + Locator

For Multi-Contact MC4 (Solarline 2)



Wire Gauge	14/12/10	
Length	8"	
Weight	1.43 lbs. - 1.72 lbs.	
Part #	624 570 3	Tool w/ Die Set
	624 570 3 1	Tool w/ Die Set + Locator
For Wire Gauge 12/10/8	624 1193 3	Tool w/ Die Set
	624 1193 3 1	Tool w/ Die Set + Locator

For SMK



Wire Gauge	14/12	
Length	8"	
Weight	1.43 lbs.	
Part #	624 1188 3	Tool w/ Die Set
	624 1188 3 1	Tool w/ Die Set + Locator

For Wieland (gesis® solar)



Wire Gauge	12/10/8	
Length	8"	
Weight	1.52 lbs. - 1.72 lbs.	
Part #	624 073-1 3	Tool w/ Die Set
	624 073-1 3 16	Tool w/ Die Set + Locator

For Amphenol H4



Wire Gauge	14/12/10/8	
Length	8"	
Weight	1.43 lbs. - 1.63 lbs.	
Part #:	624 1194 3	Tool w/ Die Set
	624 1194 3 1	Tool w/ Die Set + Locator

For Huber+Suhner (Radox®-Twist Lock)



Wire Gauge	12/10	
Length	8"	
Weight	1.43 lbs.	
Part #	624 205 3	Tool w/ Die Set

For Tyco (Solarlok®)



Wire Gauge	16/14/12/10	
Length	8"	
Weight	1.43 lbs. - 1.72 lbs.	
Part #	624 817 3	Tool w/ Die Set
	624 817 3 1	Tool w/ Die Set + Locator

For Hosiden (HSC2009,HSC2013,HSC2010)



Wire Gauge	14/12/10	
Length	8"	
Weight	1.72 lbs.	
Part #	625 51190 3 1	Tool w/ Die Set + Locator

Also available!

For Lumberg

Wire Gauge	14/12/10	
Part #	624 231 3 1 (LC3)	Tool w/ Die Set + Locator
	624 232 3 1 (LC4)	Tool w/ Die Set + Locator

For Yukita (YS-25)

Wire Gauge	16/14/12/10	
Part #	624 369 3	Tool w/ Die Set
	624 369 3 1	Tool w/ Die Set + Locator

Other applications on request.

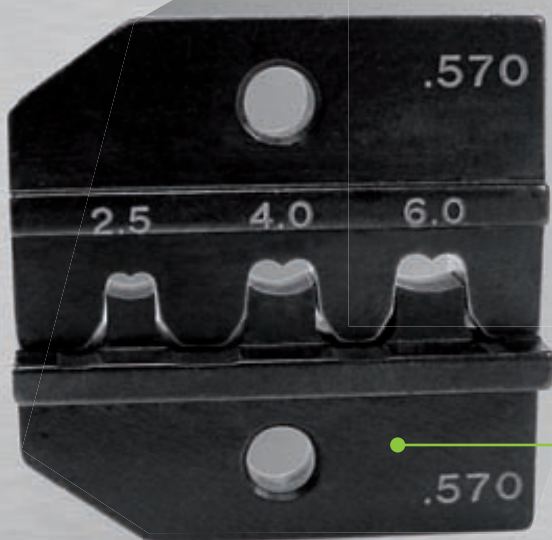


approved with Rennsteig Crimp System Tool.

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.


Basic Item		
		
Compatible with all Die Sets and Locators		
Length	1 ½"	
Weight	1.37 lbs.	
Part #	624 000 3	Empty Tool Frame for all Rennsteig Die Sets and Locator


For Multi-Contact MC3 (Solarline 1)		
		
Wire Gauge	14/12/10	
Length	1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
Part #	624 194 3 0	Die Set only
	624 194 0 01	Locator only
NEW Wire Gauge 12/10/8	624 348 3 0	Die Set only
	624 348 0 01	Locator only

For Multi-Contact MC4 (Solarline 2)		
		
Wire Gauge	14/12/10	
Length	1 ¼" - 1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
Part #	624 570 3 0	Die Set only
	624 570 0 01	Locator only
NEW Wire Gauge 12/10/8	624 1193 3 0	Die Set only
	624 1193 0 01	Locator only

For Tyco (Solarlok®)		
		
Wire Gauge	16/14/12/10	
Length	1 ¼" - 1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
Part #	624 817 3 0	Die Set only
	624 817 0 01	Locator only


For Wieland (gesis® solar)		
		
Wire Gauge	12/10/8	
Length	1 ¼" - 1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
Part #	624 073-1 3 0	Die Set only
	624 071 0 016	Locator only

For Amphenol H4		
		
Wire Gauge	14/12/10/8	
Length	1 ¼" - 1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
Part #:	624 1194 3 0	Die Set only
	624 1194 0 01	Locator only

For Huber+Suhner (Radox®-Twist Lock)		
		
Wire Gauge	12/10	
Length	1 ¼"	
Weight	0.11 lbs.	
Part #	624 205 3 0	Die Set only

Also available!		
For Lumberg LC4		
Wire Gauge	14/12/10	
Part #	624 232 3 0	Die Set only
	624 232 0 01	Locator only

For Lumberg LC3		
Wire Gauge	14/12/10	
Part #	624 231 3 0	Die Set only
	624 231 0 01	Locator only

For SMK		
		
Wire Gauge	14/12	
Length	1 ¼" - 1 ½"	
Weight	0.11 lbs. - 0.18 lbs.	
NEW Part #	624 1188 3 0	Die Set only
	624 1188 0 01	Locator only

For Yukita (YS-25)		
Wire Gauge	16/14/12/10	
Part #	624 369 3 0	Die Set only
	624 369 0 01	Locator only

For Hirschmann (SunCon™)		
Wire Gauge	16/14/12/10	
Part #	624 614 3 0	Die Set only
	624 614 0 01	Locator only

For HTS		
Wire Gauge	16/14/12/10	
Part #	624 072 3 0	Die Set only
	624 072 0 01	Locator only

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.

Double-plated ratchet gear extends tool life



Easy grip even when fully open



Parallel crimping



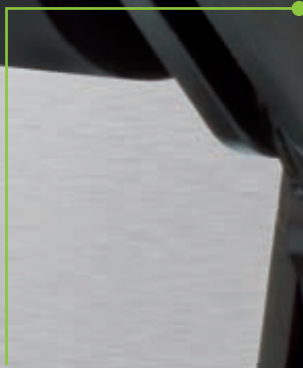
Locator (for the correct positioning of the specific contact)



Two component ergonomic handles



Solid construction



Emergency Release (if jam occurs)



Ratchet action inside



Instruction video



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
- Made in Germany - made by Rennsteig




Cutting


Stripping

Crimping


For Multi-Contact MC4 (Solarline 2)

		
Wire Gauge	12 (similar to 4 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 004 3	Tool w/ Die Set
	624 004 3 1	Tool w/ Die Set + Locator


For Multi-Contact MC4 (Solarline 2)

		
Wire Gauge	10 (similar to 6 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 006 3	Tool w/ Die Set
	624 006 3 1	Tool w/ Die Set + Locator


Spare Parts for MC4

		
Part #	624 004 3 0	Die Set only (AWG 12)
	624 004 0 01	Loactaor only (AWG 12)
	624 006 3 0	Die Set only (AWG 10)
	624 006 0 01	Locator only (AWG 10)


For Wieland (gesis® solar)

		
Wire Gauge	12 (similar to 4 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 1197 3 1	Tool w/ Die Set + Locator


For Wieland (gesis® solar)

		
Wire Gauge	10 (similar to 6 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 1196 3 1	Tool w/ Die Set + Locator


Spare Parts for Wieland

		
Part #	624 1197 3 0	Die Set only (AWG 12)
	624 1197 0 01	Loactaor only (AWG 12)
	624 1196 3 0	Die Set only (AWG 10)
	624 1196 0 01	Locator only (AWG 10)


For Amphenol (Helios H4)

		
Wire Gauge	12 (similar to 4 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 1184 3 1	Tool w/ Die Set + Locator

For Amphenol (Helios H4)

		
Wire Gauge	10 (similar to 6 mm ²)	
Length	8"	
Weight	1.43 lbs.	
Part #	624 1185 3 1	Tool w/ Die Set + Locator

Spare Parts for Amphenol

		
Part #	624 1184 3 0	Die Set only (AWG 12)
	624 1184 0 01	Loactaor only (AWG 12)
	624 1185 3 0	Die Set only (AWG 10)
	624 1185 0 01	Locator only (AWG 10)

For Multi-Contact MC3 or 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.



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

Instruction videos



Solar Crimp Sets (preassembled)


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.

Solar Crimp Set for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Tyco (Solarlok®)	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Tyco-Die Set, Tyco-Locator Spare Parts
Wire Gauge	MC3/MC4 - 14/12/10★ Tyco - 16/14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-13

Solar Crimp Set for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2)	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Spare Parts
Wire Gauge	MC3/MC4 - 14/12/10★
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-14

Solar Crimp Set for Multi-Contact MC4 (Solarline 2) Amphenol H4 Wieland (gesis® solar)	
	
Content	Crimp Tool MC4-Die Set, MC4-Locator H4-Die Set, H4-Locator Wieland-Dei Set, Wieland-Locator, Spare Parts
Wire Gauge	MC4 - 14/12/10★ H4 - 14/12/10/8 Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-18

Solar Crimp Set for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Wieland (gesis® solar)	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Wieland-Dei Set, Wieland-Locator, Spare Parts
Wire Gauge	MC3/MC4 - 14/12/10★ Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-19

Solar Crimp Set for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Amphenol H4	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator H4-Die Set, H4-Locator Spare Parts
Wire Gauge	MC3/MC4 - 14/12/10★ H4 - 14/12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-20

★ Additional Die Sets for 12/10/8 AWG are separately available. Please take a look at Page 7.

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.



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 Sets (preassembled)

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.

Now available


Solar Crimp Set for
Multi-Contact MC4 (Solarline 2)
Tyco (Solarlok®)
Wieland (gisis® solar)



Content	Crimp Tool MC4-Die Set, MC4-Locator Tyco-Die Set, Tyco-Locator Wieland-Die Set, Wieland-Locator, Spare Parts
Wire Gauge	MC4 - 14/12/10 ★ Tyco - 16/14/12/10 Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-21

Now available

Solar Crimp Set for
Multi-Contact MC4 (Solarline 2)
Amphenol H4
Huber+Suhner (Radox®-Twist Lock)



Content	Crimp Tool MC4-Die Set, MC4-Locator H4-Die Set, H4-Locator H+S-Die Set, H+S-Locator, Spare Parts
Wire Gauge	MC4 - 14/12/10 ★ H4 - 14/12/10/8 Huber+Suhner - 12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	624 105-22

Now available

Empty Solar Crimp Case for
all customers who already own
our Crimp System Tool

Free space for 1 Crimp System Tool, 5 Die Sets, 5 Locator, Additional storage space

Content	Spare Parts	
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width	
Weight	1.45 lbs.	
Part #	624 105-25	Solar Crimp Set (empty)

Other applications on request.

★ Additional Die Sets for 12/10/8 AWG are separately available. Please take a look at Page 7.

Now available

Solar Crimp Set for
Hosiden (HSC2009, HSC2010, HSC2013)





Content	Crimp Tool Hosiden-Die Set, Hosiden-Locator, Cap Wrench, Multi Tool, 2 Storage Boxes, Spare Parts
Wire Gauge	14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4 lbs.
Part #	625 51190 3 1 RT

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.

2

Locators

Multi-Contact MC3 (Solarline 1)	14/12/10 AWG	Part # 624 194 0 01
	12/10/8 AWG	Part # 624 348 0 01 NEW
Mutli-Contact MC4 (Solarline 2)	14/12/10 AWG	Part # 624 570 0 01
	12/10/8 AWG	Part # 624 1193 0 01 NEW
Amphenol H4	14/12/10/8 AWG	Part # 624 1194 0 01
Tyco (Solarlok®)	16/14/12/10 AWG	Part # 624 817 0 01
Wieland (gesis® solar)	12/10/8 AWG	Part # 624 071 0 016
Lumberg LC3	14/12/10 AWG	Part # 624 231 0 01
Lumberg LC4	14/12/10 AWG	Part # 624 232 0 01
SMK	14/12 AWG	Part # 624 1188 0 01 NEW
Yukita	16/14/12/10 AWG	Part # 624 369 0 01

Other applications on request.

1

Die Sets

Multi-Contact MC3 (Solarline 1)	14/12/10 AWG	Part # 624 194 3 0
	12/10/8 AWG	Part # 624 348 3 0 NEW
Mutli-Contact MC4 (Solarline 2)	14/12/10 AWG	Part # 624 570 3 0
	12/10/8 AWG	Part # 624 1193 3 0 NEW
Amphenol H4	14/12/10/8 AWG	Part # 624 1194 3 0
Tyco (Solarlok®)	16/14/12/10 AWG	Part # 624 817 3 0
Wieland (gesis® solar)	12/10/8 AWG	Part # 624 073-1 3 0
Huber+Suhner (Radox®-Twist Lock)	12/10 AWG	Part # 624 205 3 0
Lumberg LC3	14/12/10 AWG	Part # 624 231 3 0
Lumberg LC4	14/12/10 AWG	Part # 624 232 3 0
SMK	14/12 AWG	Part # 624 1188 3 0 NEW
Yukita	16/14/12/10 AWG	Part # 624 369 3 0

Other applications on request.

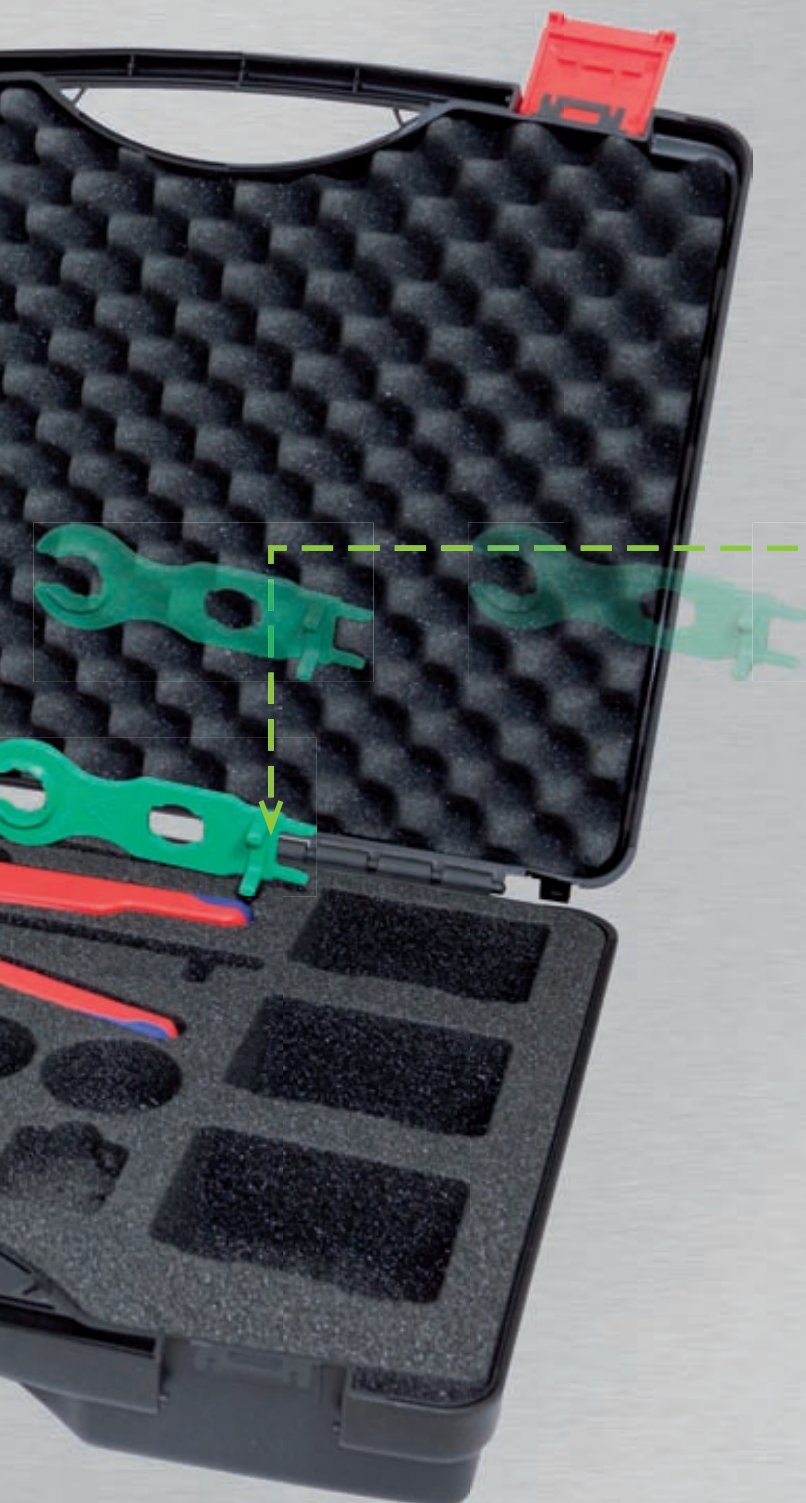
Basic Spare Parts are included in all cases

Basic Item	
Empty Tool Frame in portable plastic case	Part # 624 105-12

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!



3 Assembly Key for MC4 couplers	
Multi-Contact MC4 (Solarline 2)	Part # 690 001

Step by Step

1. Choose your application, you can add a maximum of 5 different Die Sets in the case
2. You can also add a maximum of 5 different Locators in the case
3. If you have added a MC4 Die Set or Locator, you can also add a maximum of 2 Assembly Keys for MC4 couplers.
4. Place an order by using Part# R624 105-12 and the Part#'s shown in the tables after having finished step 1-3.

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.



Professional Solar Wiring/Crimping Kits (preassembled)

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
- Made in Germany - made by Rennsteig



Solar Wiring/Crimping Kit for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2)



Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.80 lbs.
Part #	624 105-02

Solar Wiring/Crimping Kit for Tyco (Solarlok®)



Content	Crimp Tool Tyco-Die Set, Tyco-Locator Insulation Stripper Cable Cutter RG
Wire Gauge	Tyco - 16/14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.58 lbs.
Part #	624 105-03

Solar Wiring/Crimping Kit for Huber+Suhner (Radox®-Twist Lock / Push Pull)



Content	Crimp Tool Huber+Suhner-Die Set Insulation Stripper Cable Cutter RG
Wire Gauge	Huber+Suhner - 14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.52 lbs.
Part #	624 105-04

Other combinations on request.

★ Additional Die Sets for 12/10/8 AWG are separately available. Please take a look at Page 7.

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.



Protective case

Spare parts

Solar system tool

Additional crimp die sets (interchangeable)

Insulation stripper

Cable cutter

Additional locators

Professional Solar Wiring/Crimping Kits (preassembled)

A "Must"
for Installers

Solar Wiring/Crimping Kit for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Tyco (Solarlok®)



Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Tyco-Die Set, Tyco-Locator Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★ Tyco - 16/14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.80 lbs.
Part #	624 105-06

Solar Wiring/Crimping Kit for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Amphenol H4



Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator H4-Die Set, Wieland-Locator Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★ H4 - 14/12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.94 lbs.
Part #	624 105-15

Solar Wiring/Crimping Kit for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Wieland (gesis® solar)



Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Wieland-Die Set, Wieland-Locator, Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★ Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.94 lbs.
Part #	624 105-16

Solar Wiring/Crimping Kit for Multi-Contact MC4 (Solarline 2) Amphenol H4 Wieland (gesis® solar)



Content	Crimp Tool MC4-Die Set, MC4-Locator H4-Die Set, H4-Locator Wieland-Die Set, Wieland-Locator, Insulation Stripper Cable Cutter RG
Wire Gauge	MC4 - 14/12/10 ★ H4 - 14/12/10/8 Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.94 lbs.
Part #	624 105-17

Empty Solar Wiring/Crimping Case for all customers who already own our Tools

Free space for
- 1 Crimp System Tool
- 1 Insulation Stripper
- 1 Cable Cutter
- 2 Die Sets, 2 Locator

Content	Spare Parts
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	1.45 lbs.
Part #	624 105-26 Solar Kit empty

Other combinations on request.

★ Additional Die Sets for 12/10/8 AWG are separately available. Please take a look at Page 7.

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.



Professional Solar Wiring/Crimping Kits ^{Plus} (preassembled)

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
- Assembly Tool for MC3 coupler
- Cable cutter
- Different spare parts
- Made in Germany - made by Rennsteig

Solar Wiring/Crimping Kit ^{Plus} for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2)	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Assembly Tool for mounting of MC3 Couplers Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★
Dimension	4 ¼" Height, 14" Length, 12 ¾" Width
Weight	7.84 lbs.
Part #	624 105-11

Solar Wiring/Crimping Kit ^{Plus} for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Tyco (Solarlok®)	
	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Tyco-Die Set, Tyco-Locator Assembly Tool for mounting of MC3 Couplers, Insulation Stripper, Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ★ MC4 - 14/12/10 ★ Tyco - 16/14/12/10
Dimension	4 ¼" Height, 14" Length, 12 ¾" Width
Weight	7.84 lbs.
Part #	624 105-23

Empty Solar Wiring/Crimping Case ^{Plus} for all customers who already own our Tools		
Free space for - 1 Crimp System Tool - 1 Insulation Stripper - 1 Cable Cutter - 2 Die Sets - 2 Locator - 1 Assembly Tool for mounting MC3 couplers Additional storage space		
Content	Spare Parts	
Dimension	4 ¼" Height, 14" Length, 12 ¾" Width	
Weight	4 lbs.	
Part #	624 105-28	Solar Kit ^{Plus} Empty

Other combinations on request.

★ Additional Die Sets for 12/10/8 AWG are separately available. Please take a look at Page 7.

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

Instruction video




Assembly Tool for mounting of MC3 couplers

The MC3 Assembly Tool is a high quality device that is used for inserting the crimped solar PV cable into the rubber housing necessary to fully insulate an MC3 connection.

- Suitable for assembling MC3 connectors from 14/12/10/8 AWG (similar to 2.5/4/6/10 mm²)
- Can be used for both male and female connections
- Ergonomic and facile
- Up to 3 spindles can be stored in grip
- Made in Germany - made by Rennsteig

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



Assembly Tool for mounting of MC3 couplers		
		
Wire Gauge	14/12/10/8	
Length	13"	
Weight	1.01 lbs.	
Part #	725 00	Complete Tool w/ all spindles for mounting of MC3 couplers

Replacement wire gripper		
Wire Gauge	14/12/10/8	
Part #	725 000 01	Replacement integral wire gripper

Replacement spindle magazine		
Wire Gauge	14/12/10/8	
Part #	725 001	Empty spindle magazine, storage spindle

Replacement spindle, Teflon®		
Wire Gauge	12/10	
Part #	725 002	Spindle

Replacement spindle, Teflon®		
Wire Gauge	10	
Part #	725 003	Spindle

Replacement spindle, Teflon®		
Wire Gauge	8	
Part #	725 004	Spindle

Precise cutting of the insulation to a complete extent.



Positive stripping thanks to precise shape of the blades.



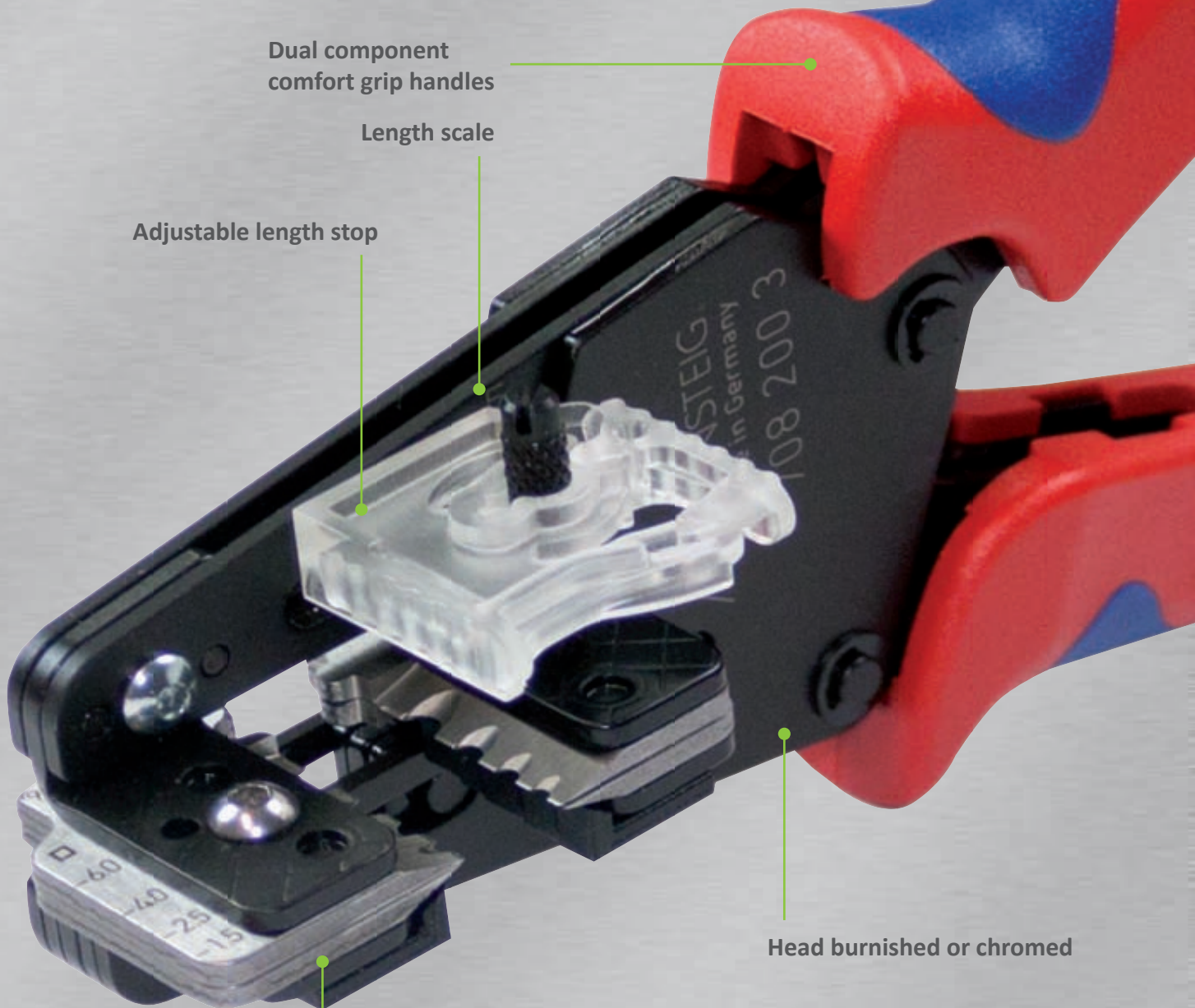
Automatic stripping of the insulation.



Dual component comfort grip handles

Length scale

Adjustable length stop



Head burnished or chromed

Interchangeable stripping blades

PATENTED

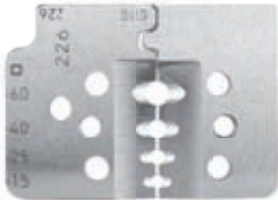
Insulation Stripper with Replaceable Blades

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.

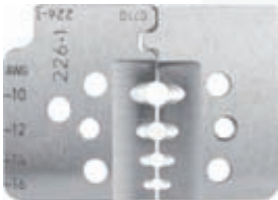
- For two-stage stripping action
- Specialized tool with length stop, for precise stripping and dismantling of single and multi-strand cables
- No pinching or deformation of cable ends
- Interchangeable blades for different wire gauges
- **Custom blade design upon request**
- Burnished finish, ergonomically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

Tool for metric solar cable



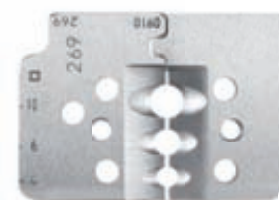
Max. Wire Cross	1.5/2.5/4/6 mm ² (similar to AWG 16/14/12/10)	
Length	8"	
Weight	0.9 lbs.	
Part #	708 226 3	Tool for metric solar cable

Tool for solar cable




Max. Wire Cross	AWG 16/14/12/10	
Length	8"	
Weight	0.9 lbs.	
Part #	708 226-1 6 RT	Tool for solar cable

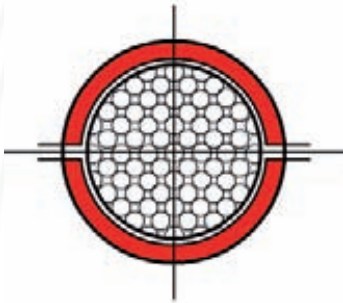
Tool for metric solar cable



Max. Wire Cross	4/6/10 mm ² (similar to AWG 12/10/8)	
Length	8"	
Weight	0.9 lbs.	
Part #	708 269 3	Tool for metric solar cable



Two pairs of blades (1) cut the insulation to a complete extent. Then the blade pairs move apart, and thus the insulation is removed form-fit (2). The pliers opens automatically after the stripping procedure.



The shaped blades cuts the insulation completely.
(The red area will be cut, no damaging of the cable strands)



Already now more than 250 different stripping blades available!
Custom blade design upon request.



Special tool steel, forged

Spring loaded
(opening spring inside the tool head)



Ergonomic grips

Precision ground blades

Safety lock

Cable Cutter

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
- Material: special tool steel, forged
- Made in Germany - made by Rennsteig

Cable Cutter



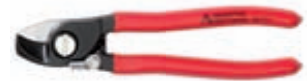
Max. Wire Cross	50 mm ² (similar to AWG 1/0)	
Length	6 ¾"	
Weight	0.5 lbs.	
Part #	700 015 3	burnished, plastic coated

Cable Cutter RG



Max. Wire Cross	50 mm ² (similar to AWG 1/0)	
Length	6 ¾"	
Weight	0.5 lbs.	
Part #	700 015 36	burnished, reinforced plastic grips

Cable Cutter OS

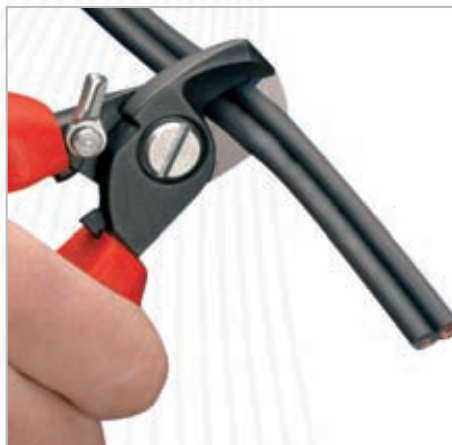


Max. Wire Cross	50 mm ² (similar to AWG 1/0)	
Length	6 ¾"	
Weight	0.5 lbs.	
Part #	700 016 3	burnished, spring loaded, plastic coated

Cable Cutter RGO



Max. Wire Cross	50 mm ² (similar to AWG 1/0)	
Length	6 ¾"	
Weight	0.5 lbs.	
Part #	700 016 36	burnished, spring loaded, plastic grips



We also offer Cutters for larger cable sizes!

Take a look at our website
www.rennsteig.us

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 assembly keys.

The Key comes in green.



Assembly Key for MC4 couplers

Wire Gauge	14/12/10	
Part #	690 001	Complete Tool

Automatic Center Punch

The automatic centre punch is a selfstriking tool, used for fast and precise marking. It is mainly used in precision mechanics, steel engineering, by tool makers and for similar applications. The striking force is continuously adjustable.

- Machine steel
- Activated by downward pressure (you don't need a hammer)
- Single handed operation
- Impact force adjustable
- Made in Germany - made by Rennsteig
- Rugged self striking mechanism
- Precision design
- Replaceable hardened pin
- Nickel plated finish



Automatic Center Punch I

Striking Force	20 - 50 N	
Length	3 ¼"	
Weight	0.07 lbs.	
Part #	430 129	Center Punch I

Automatic Center Punch II

Striking Force	60 - 130 N	
Length	5"	
Weight	0.14 lbs.	
Part #	430 130	Center Punch II

Automatic Center Punch III

Striking Force	180 - 250 N	
Length	5 ¼"	
Weight	0.23 lbs.	
Part #	430 131	Center Punch III



Adjustable Centering Punches

The best way to determine the center of a hole.

- A better solution compared to a transfer punch
- For exactly, offset-free centering on workpieces
- Perfect alignment of the slitted centering sleeve in masterpiece or drilling jig with knurled screw
- Special hardened and tempered, passing centering punch - resharpenable
- Available in 3 different sizes
- Material: special tool steel
- Made in Germany - made by Rennsteig

Centering Punch I		
Cross section	6 - 8 mm (similar to 0.23" - 0.31")	
Length	3 ¾"	
Weight	0.04 lbs.	
Part #	430 140	Centering Punch I



Centering Punch II		
Cross section	8 - 10 mm (similar to 0.32" - 0.43")	
Length	4 ¼"	
Weight	0.08 lbs.	
Part #	430 141	burnished, reinforced plastic grips

Continuously adjustable for different diameters



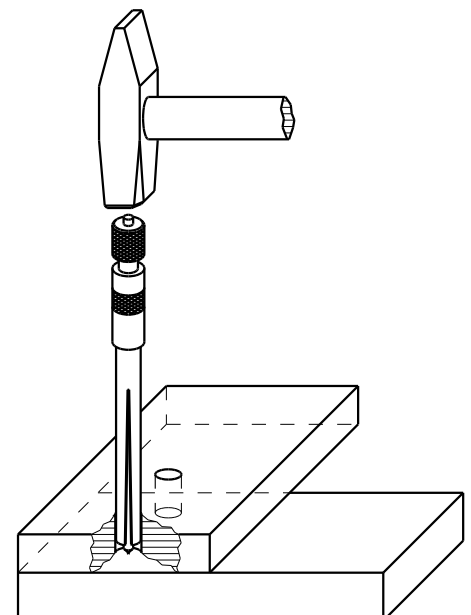
Centering Punch III		
Cross section	11 - 16 mm (similar to 0.43" - 0.62")	
Length	4 ½"	
Weight	0.17 lbs.	
Part #	430 142	burnished, spring loaded, plastic coated

Knurled surface for better grip



Centering Punch Set		
Cross section	6 - 16 mm (similar to 0.23" - 0.62")	
Length	6 ¾"	
Weight	0.31 lbs.	
Part #	430 143	Set includes: Centering Punch I, II, III

Centering Punch Set



Dual-Edged Screw Extractor (Easy-Outs)

This Dual-Edged Screw Extractor represents a new generation of his kind used to remove ruined screws or bolts out of threads. The 4 cutting edges of the screw extractor being ground that way only two opposite edges engage with the screw to be removed. This technology provides for use with right-hand and left-hand threads.

- For unscrewing ruined screws and bolts without damaging threads
- Unique design allows both left and right-handed turning
- Extractor is driven into the bore hole for a safe and secure hold
- Integrated center punch pin for precision work
- Non-slip and dual-edged engagement with the screw or bolt to be removed
- Material: chrome vanadium steel, for longer tool life
- Surface: burnished, cutting edges polished
- Made in Germany - made by Rennsteig



PATENTED

Size 1 - 5



Vinyl Storage Pouch



Application Range (for example)



Screw Extractor Size 1

Wrench Size	1/4"	
Weight	0.02 lbs	
Part #	260 101 3	Screw Extractor Size 1

Screw Extractor Size 2

Wrench Size	3/8"	
Weight	0.04 lbs	
Part #	260 102 3	Screw Extractor Size 2

Screw Extractor Size 3

Wrench Size	1/2"	
Weight	0.08 lbs.	
Part #	260 103 3	Screw Extractor Size 3

Screw Extractor Size 4

Wrench Size	5/8"	
Weight	0.13 lbs	
Part #	260 104 3	Screw Extractor Size 4

Screw Extractor Size 5

Wrench Size	3/6"	
Weight	0.19 lbs	
Part #	260 105 3	Screw Extractor Size 5

Vinyl Storage Pouch

Content	5 Screw Extractors (Size 1 to 5)	
Wrench Size	¼" - 3/6"	
Weight	0.51 lbs.	
Part #	261 100 3	Screw Extractor Set

Instruction video



XXL Snap- (Retaining) Ring Tool (Circlip Tool for internal and external circlips)

- Usable with any snap rings from a diameter of 400 - 1000 mm (15-40 inch)
- Securely opens, closes and holds rings thanks to a self-locking precision spindle action
- For fitting and removing circlips in one operation
- Holds rings securely due to short, direct-contact sockets
- High-strength, hardened and tempered tips
- Opening width up to 250 mm (with scale on request)
- Can be operated with Allen key (Hexagonal key), ratchet wrench or cordless screwdriver
- Interchangeable paired tips to cover different diameter ranges (custom designs are also available)
- Areas of application are wherever very high forces and torques are transmitted with large shafts and bearings

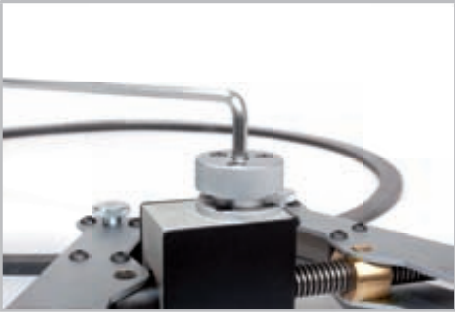
Tool in Case



Replaceable Tips



Operated with Allen key



Operated with Cordless Screwdriver



Set in plastic case

Content	Retaining ring tool, paired tips with diameter of 6 and 9 mm, Allen key (6 mm), Bit for Screwdriver (6 1/4")
Weight	4.7 lbs
Part #	783 000 61

Set of replacement tips 1

Content	Set of replacement tips, diameter 6 mm for Retaining Rings up to 690 mm
Weight	0.2 lbs
Part #	783 006 3 0

Set of replacement tips 2

Content	Set of replacement tips, diameter 9 mm for Retaining Rings up to 700 mm (DIN)
Weight	0.2 lbs
Part #	783 009 3 0

Custom Design

In addition to our standard product line, we offer custom design tooling.

We have the knowledge, skill and capacity to meet any customer specifications, and we specialized in meeting customer requirements.

Private Label

To enhance our customers marketing position, we offer a private labeling service which provides you the following options:

- Your logo on the tool
- Ergonomic 2- component handles can be varied in color
- Customized labeling



Stay in touch with us



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.



State-of-the-art production - The core of our company!



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 EVERY PROFESSIONAL USER.



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We are the manufacturer. WE KNOW HOW!