Tools *for solar professionals*

RENNSTEIG
The Right Tool.

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

Annotations (left page)

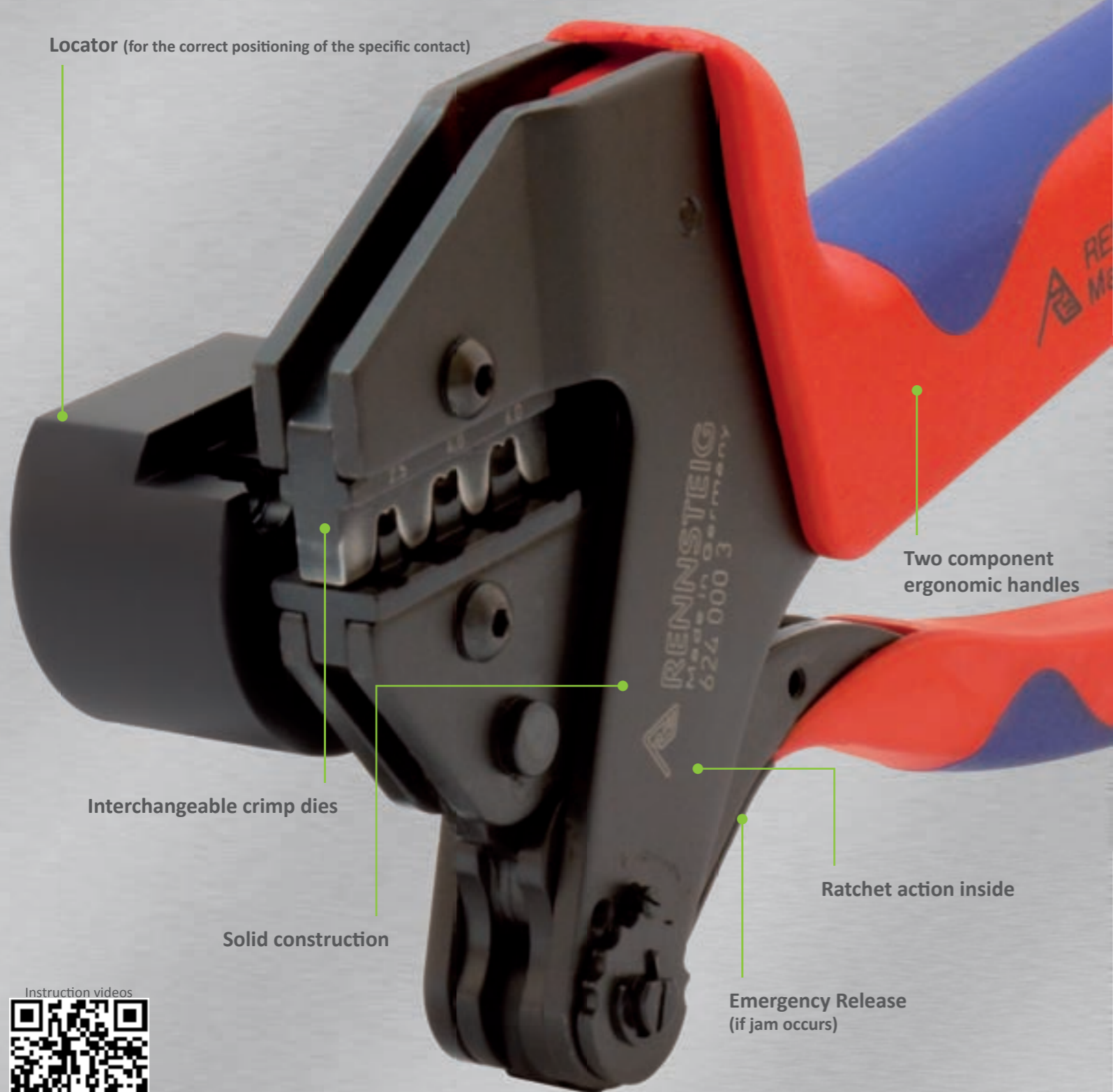Double-plated ratchet gear extends tool life

Easy grip even when fully open

Parallel crimping

Locator (for the correct positioning of the specific contact)

Two component ergonomic handles

Interchangeable crimp dies

Ratchet action inside

Solid construction

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

NEW

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

NEW

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

NEW

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

Other applications on request.

Also available!

For Lumberg LC3

Wire Gauge	14/12/10	
Part #	624 231 3 1	Tool w/ Die Set + Locator

For Lumberg LC4

Wire Gauge	14/12/10	
Part #	624 232 3 1	Tool w/ Die Set + Locator

For Wieland (gesis® solar)

Wire Gauge	16/14	
Part #	624 071-1 3	Tool w/ Die Set
	624 071-1 3 16	Tool w/ Die Set + Locator

For Hirschmann (SunCon™)

Wire Gauge	16/14/12/10	
Part #	624 614 3	Tool w/ Die Set

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)
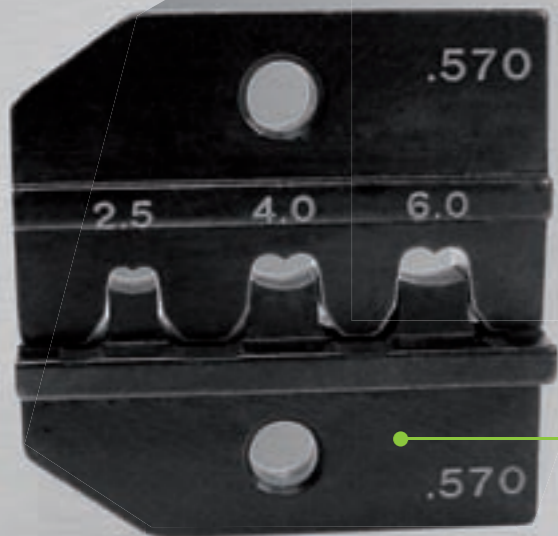
Interchangeable crimping die set
(fits in our Solar System Tool)

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 ¾"	
Weight	0.11 lbs.	
Part #	624 205 3 0	Die Set 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

Also available!

For Lumberg LC4		
Wire Gauge	14/12/10	
Part #	624 232 3 0	Die Set only

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

For Yukita		
Wire Gauge	16/14/12/10	
Part #	624 369 3 0	Die Set only

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

For Wieland (gesis® solar)		
Wire Gauge	16/14	
Part #	624 071-1 3 0	Die Set only

For HTS		
Wire Gauge	16/14/12/10	
Part #	624 072 3 0	Tool w/ Die Set

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

Two component ergonomic handles

Locator (for the correct positioning of the specific contact)

Solid construction

Instruction video

Ratchet action inside

Emergency Release (if jam occurs)

RENNSTEIG
Made in Germany
624 000 3

PATENTED

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

For Multi-Contact MC4 (Solarline 2)

Wire Gauge	12 (similar to 4 mm²)	
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 mm²)	
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 mm²)	
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 mm²)	
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 Multi-Contact MC3 or other applications on request.
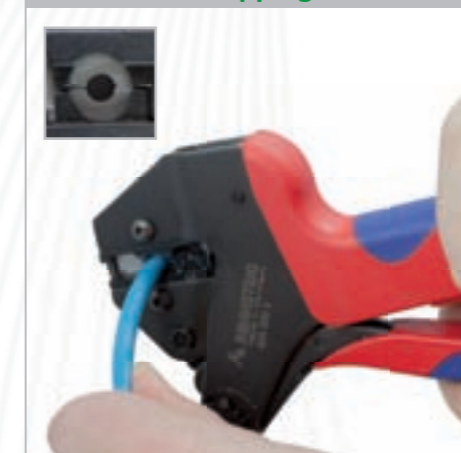
Cutting	Stripping	Crimping

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.

Labels on left image

Protective case

Free space for MC4 Assembly Keys

Solar system tool

Spare parts

Storage space for up to 5 different die sets and locators
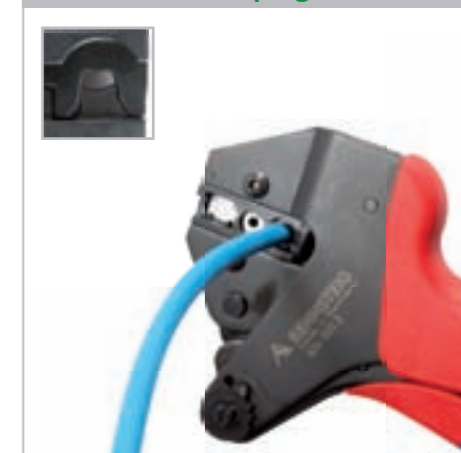
Additional storage space

Right column

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 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

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 MC4 (Solarline 2) Tyco (Solarlok®) Wieland (gesis® solar)		Solar Crimp Set for Multi-Contact MC4 (Solarline 2) Amphenol H4 Huber+Suhner (Radox®-Twist Lock)		Empty Solar Crimp Case for all customers who already own our Crimp System Tool
	Now available		*Now available*		*Now available*
					Free space for 1 Crimp System Tool, 5 Die Sets, 5 Locator, Additional storage space
Content	Crimp Tool MC4-Die Set, MC4-Locator Tyco-Die Set, Tyco-Locator Wieland-Die Set, Wieland-Locator, Spare Parts	Content	Crimp Tool MC4-Die Set, MC4-Locator H4-Die Set, H4-Locator H+S-Die Set, H+S-Locator, Spare Parts	Content	Spare Parts
Wire Gauge	MC4 - 14/12/10 ☆ Tyco - 16/14/12/10 Wieland - 12/10/8	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
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width	Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width	Weight	1.45 lbs.
Weight	4 lbs.	Weight	4 lbs.	Part #	624 105-25	Solar Crimp Set (empty)
Part #	624 105-21	Part #	624 105-22		

Other applications 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.

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!

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

Other applications on request.

③

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

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

Other applications on request.

Basic Spare Parts are included in all cases

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.

Protective case

Spare parts

Solar system tool

Additional crimp die sets (interchangeable)

Insulation stripper

Cable cutter

Additional locators

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

A "Must" for installers

Solar Wiring/Crimping Kit for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2)		Solar Wiring/Crimping Kit for Tyco (Solarlok®)		Solar Wiring/Crimping Kit for Huber+Suhner (Radox®-Twist Lock / Push Pull)	
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Insulation Stripper Cable Cutter RG	Content	Crimp Tool Tyco-Die Set, Tyco-Locator Insulation Stripper Cable Cutter RG	Content	Crimp Tool Huber+Suhner-Die Set Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ⭐ MC4 - 14/12/10 ⭐	Wire Gauge	Tyco - 16/14/12/10	Wire Gauge	Huber+Suhner - 14/12/10
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width	Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width	Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.80 lbs.	Weight	4.58 lbs.	Weight	4.52 lbs.
Part #	624 105-02	Part #	624 105-03	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.

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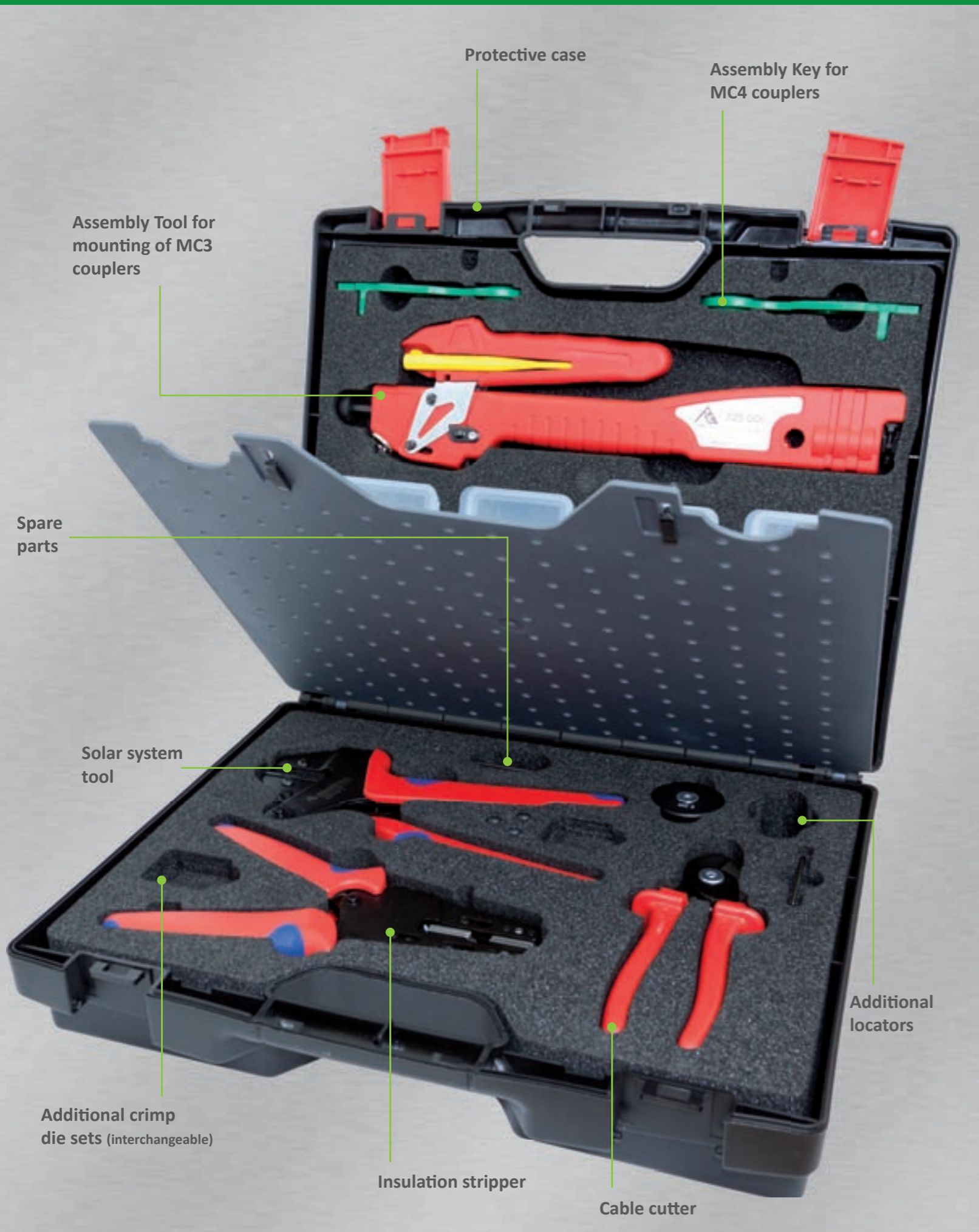
Content	Crimp Tool MC3-Die Set, MC3-Locator MC4-Die Set, MC4-Locator Wieland-Die Set, Wieland-Locator, Insulation Stripper Cable Cutter RG
Wire Gauge	MC3 - 14/12/10 ⭐ MC4 - 14/12/10 ⭐ Wieland - 12/10/8
Dimension	3 ¼" Height, 13 ½" Length, 10 ¾" Width
Weight	4.94 lbs.
Part #	624 105-16

Other combinations on request.

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

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

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

Assembly Key for MC4 couplers

Assembly Tool for mounting of MC3 couplers

Spare parts

Solar system tool

Additional crimp die sets (interchangeable)

Insulation stripper

Cable cutter

Additional locators

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)	Solar Wiring/Crimping Kit ^{Plus} for Multi-Contact MC3 (Solarline 1) Multi-Contact MC4 (Solarline 2) Tyco (Solarlok®)	Empty Solar Wiring/Crimping Case ^{Plus} for all customers who already own our Tools
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	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	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
Wire Gauge	MC3 - 14/12/10 ☆ MC4 - 14/12/10 ☆	MC3 - 14/12/10 ☆ MC4 - 14/12/10 ☆ Tyco - 16/14/12/10	
Dimension	4 ¼" Height, 14" Length, 12 ¾" Width	4 ¼" Height, 14" Length, 12 ¾" Width	
Weight	7.84 lbs.	7.84 lbs.	
Part #	624 105-11	624 105-23	

Empty Solar Wiring/Crimping Case continued:

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.

Teflon® coated steel spindles

Removable grip magazine

FASTER
BETTER
EASIER

Safety lock

Ergonomic high-strength plastic housing

Integral wire gripper

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 ca 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

Dual component comfort grip handles

Length scale

Adjustable length stop

**Head burnished or chromed**

Interchangeable stripping blades

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
- Made in Germany - made by Rennsteig

Tool for AWG cable
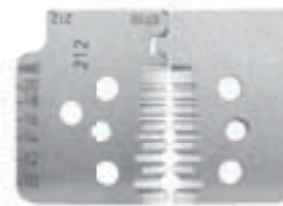
Max. Wire Cross	AWG 20/18/16/14/12/10	
Length	8"	
Weight	0.9 lbs.	
Part #	708 212 3	Tool for AWG cable

Tool for metric solar cable

Max. Wire Cross	1.5/2.5/4/6 mm² (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
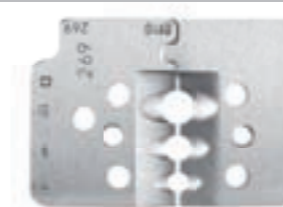
Max. Wire Cross	4/6/10 mm² (similar to AWG 12/10/8)	
Length	8"	
Weight	0.9 lbs.	
Part #	708 269 3	Tool for metric solar cable

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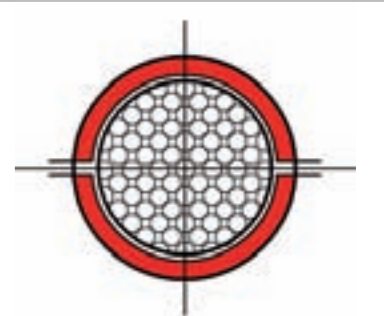
The shaped blades cuts the insulation completely.
(The red area will be cut, no damaging of the cable strands)

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

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

Special tool steel, forged

Spring loaded
(opening spring inside the tool head)

Ergonomic grips
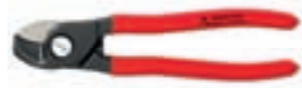
Precision ground blades

Safety lock

Cable Cutter

Max. Wire Cross	50 mm² (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 mm² (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 mm² (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 mm² (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

Center Punch

The center punch tool is used to aid in drilling. The impression made by a center punch into wood, plastic or metal marks the area to be drilled and helps the drill stay on course as it goes through the material.

- Made from chrome vanadium steel
- Center Punch shanks are polished and dip-coated in cold lacquer
- Made in Germany - made by Rennsteig

- Hardened striking head won't splinter or "mushroom"
- Compiles with German DIN 7250 standard

Center Punch 100		
Body	Diameter ½"	
Length	4"	
Weight	0.06 lbs.	
Part #	430 100 0	Center Punch 100, polished

Center Punch 120		
Body	Diameter 1/5"	
Length	4 ¾"	
Weight	0.23 lbs.	
Part #	430 120 0	Center Punch 120, polished

Center Punch 150		
Body	Diameter 3/5"	
Length	6 ¾"	
Weight	0.28 lbs.	
Part #	430 150 0	Center Punch 150, polished
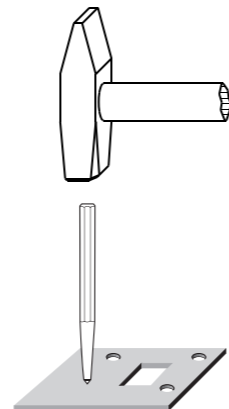
Adjustable Centering Punches

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
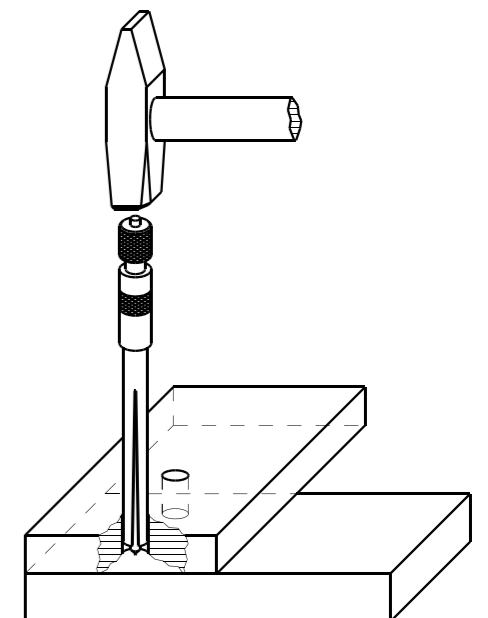
Automatic Center Punch

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 ¾"	
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

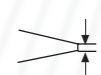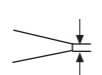| Automatic Center Punch III		
Striking Force	180 - 250 N	
Length	5 ¼"	
Weight	0.23 lbs.	
Part #	430 131	Center Punch III

Alignment Pry Bar

- two work ends (Tapers point for aligning holes, pry bar tip for arranging anything)
- Heat-treaded ends to resist bending and breaking
- Heavy duty forged steel construction
- Rustproof powder-coat finish
- Made in Germany - made by Rennsteig

Also available, different sizes of Wrecking Bars.

Bar 400		
Pry Bar End	1/5"	
Overall Length	16"	
Weight	1.39 lbs.	
Part #	473 400 0	Alignment Pry Bar 400

Bar 500		
Pry Bar End	1/5"	
Overall Length	20"	
Weight	2.31 lbs.	
Part #	473 500 0	Alignment Pry Bar 500

Bar 600		
Pry Bar End	1/5"	
Overall Length	24"	
Weight	2.91 lbs.	
Part #	473 600 0	Alignment Pry Bar 600

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

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.

Member of

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.
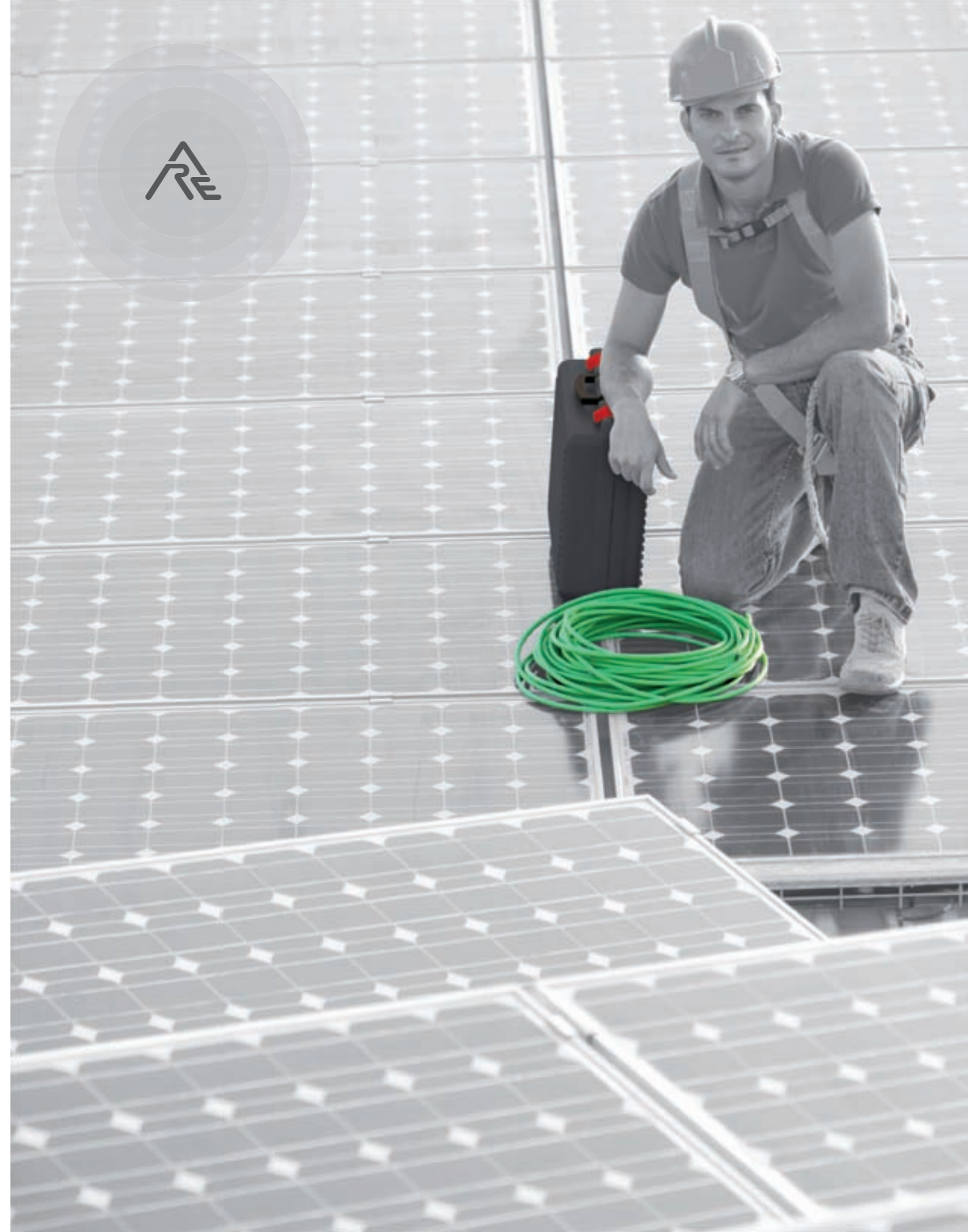
RENNSTEIG TOOLS, INC.
Technical Support
8079 Castle Rock Dr. NE
Warren, OH 44484
fon: 330-974-0100
mobil: 201-275-5982

web: www.rennsteig.us
mail: robert@rennsteig.us

RENNSTEIG TOOLS, INC.
Warehouse
403 Kennedy BLVD
Somerdale, NJ 08083

web: www.rennsteig.us
mail: info@rennsteig.us

RENNSTEIG TOOLS, INC.
Sales Office
301 Route 17 North, Suite 800
Rutherford, NJ 07070

fon: 330-315-3044
fax: 330-319-8135
mobil: 201-275-5981
web: www.rennsteig.us
mail: sales@rennsteig.us

RENNSTEIG WERKZEUGE GMBH
Headquarter
An der Koppel 1
98547 Viernau

fon: 011 49 3 68 47 441 0
fax: 011 49 3 68 47 441 17
web: www.rennsteig.com
mail: info@rennsteig.com

We are the manufacturer. WE KNOW HOW!