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HARTING Han[®] Crimping Tools

HARTING Crimping Tool Portfolio

The portfolio of crimping tools is designed to crimp the different types of HARTING contacts safely and with outstanding quality. The tools shown here establish a secure connection between the contact and stranded wire. The resulting crimp connections exceed the requirements of DIN EN 60352-2. In addition, they are also among the tools recommended by the manufacturer. Automatic crimping machines are available for crimping large batches of contacts with consistent quality.

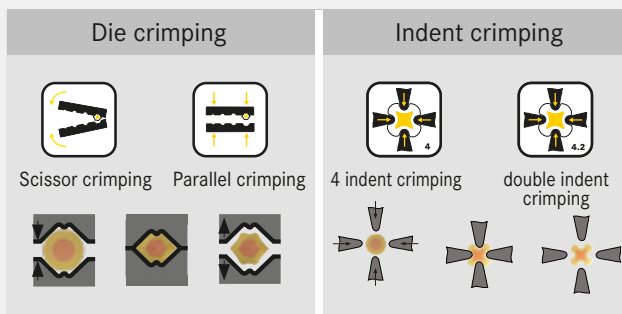


HARTING TK-M crimping machine

Types of crimping tools

- Manual crimping tools are used to crimp small batches of contacts flexibly and quickly.
- The hand-operated crimping tool is activated manually. The crimping mechanism is operated by a battery or pneumatically. These tools are designed to handle a larger number of contacts with minimal required force.
- Semi-automatic crimping tools are designed to process large quantities of contacts. They are suitable for use in production lines. A distinction is made between pure crimping tools and stripping/crimping tools.
- The types of crimpings used are approved in combination with the HARTING locators according to the crimping standard DIN EN 60352-2.

Crimp profiles



Norms and standards

The parameters and test criteria for a correctly executed crimp connection are described in the standard DIN EN 60352-2 (state of the art). In addition to tests that can easily be carried out by the user, this standard also describes more elaborate procedures. The special inspection and test programmes are particularly relevant for the manufacturers and suppliers of crimp components; these are carried out as release tests. When processing HARTING crimp connections, users can generally be sure of establishing professional high-quality crimp connections as long as they use HARTING crimp contacts and the appropriate HARTING tool. A key requirement for a durable crimp connection is that the contact and the stranded wire fit together. The corresponding assembly and operating instructions must also be followed.

Tool characteristics



Crimping technology



4 indent crimping



Double indent crimping



Scissor crimping



Parallel crimping

Application field



Suitable for production lines



Suitable for use in industrial environments

Tool characteristics



Multi-function locator



Can be used modularly



Efficient



Simple to operate



Flexible and fast



Robust design



Complies with the relevant standard values



Lowers costs



Suitable for larger cable cross-sections

Operations/handling



Manual processing



Fully automatic processing



Battery operated processing



Pneumatically operated processing

General information:

It is the customer's responsibility to check whether the components illustrated in this catalogue also comply with different regulations from those stated in special fields of applications. We reserve the right to modify designs or substance of content in order to improve quality, keep pace with technological advancement or meet particular requirements in production.

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Tool 09 99 000 0021

The manual crimping Service Tool is considered the entry-level model for crimping technique. The crimping tool is used to manually crimp Han D[®], Han E[®] and Han-Yellock[®] contacts. This tool is the best choice when you need to process a small number of contacts in the field, or work close to your application. It has been kept simple to operate. The locator and cross-section area on the crimping die have to be selected according to the particular contacts.



Crimping tool 09 99 000 0021

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D [®]	0.14 - 1.5 mm ²	8 mm
Han E [®]	0.5 - 2.5 mm ²	7.5 mm
Han-Yellock [®]	0.5 - 2.5 mm ²	6.5 mm

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	3500 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional locators are available separately:		
Series	Part number	Included in delivery
Han D [®]	09 99 000 0022 (Set)	yes
Han E [®]	09 99 000 0022 (Set)	yes
Han-Yellock [®] 09 99 000 0343 (not included in delivery)		



Features

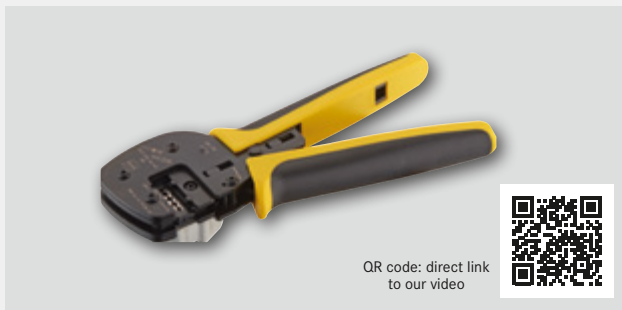
- Tool 09 99 000 0021 uses the scissors crimping (crimping type: die crimping)
- No adjustments are required on the crimping die itself. Due to the die's geometry, the crimp parameters (e.g. crimp depths) are specified and defined. The user must select the correct position in the crimping die as well as the appropriate locator for the respective contact.
- The crimping die, used together with the HARTING locators, is approved according to the crimp standard of DIN EN 60352-2.
- This tool is also in the entry-level price class in HARTING's crimping tool portfolio.
- Due to the simple and versatile usage, this tool is recommended for use in the field.

Please use the following link
or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000021>



Tool 09 99 000 0110

The crimping tool 09 99 000 0110 is used to manually crimp Han D®, Han E®, Han® C and Han-Yellock® contacts. This tool is your best choice when it comes to processing a small number of different HARTING contacts in the field, working close to the application, or for versatile usage in production lines. It has been kept simple to operate. The mechanism uses the die crimping technique together with a multi-function locator. The locator and cross-section area on the crimping die have to be selected according to the particular contacts.



QR code: direct link to our video

Crimping tool 09 99 000 0110

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D®	0.14 - 1.5 mm ²	8 mm
Han E®	0.5 - 4 mm ²	7.5 mm
Han® C	1.5 - 4 mm ²	9.5 mm
Han-Yellock®	0.5 - 4 mm ²	6.5 mm

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	10,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional locators are available separately:		
Series	Part number	Included in delivery
Set Han D®/E®/Han® C	09 99 000 0376	yes
Han-Yellock®	09 99 000 0341	no



Features

- Tool 09 99 000 0110 uses parallel crimping (Crimping type: die crimping)
- No adjustments are required on the crimping die itself. Due to the die's geometry, the crimp parameters (e.g. crimp depths) are specified and defined. The user must select the correct position in the crimping die as well as the appropriate locator for the respective contact.
- The crimping die, used together with the HARTING locators, is approved according to the crimp standard of DIN EN 60352-2.
- Thanks to its multi-function locator, all contacts in the series Han® C/D®/E® can be crimped by using one position of the multi-function locator.
- Users can crimp HARTING contacts easily, quickly and in proven quality using minimal force.

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000110>



Tool 09 99 000 0377

The Han® C 4/6/10 mm² crimping tool is the manual crimping tool in our portfolio. It is suitable for manually crimping the HARTING Han® C contacts. The mechanism uses the die crimping technique together with a multi-function locator for Han® C contacts. This crimping tool is your best choice when you need to manually crimp small batches involving larger cross-sections.

The locator and cross-section area on the crimping die have to be selected according to the particular contacts.



Crimping tool 09 99 000 0377

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han® C	4 mm ²	9.5 mm
Han® C	6 mm ²	9.5 mm
Han® C	10 mm ²	15 mm*
* 15.0 mm for cables ≥ 5.0 mm / 18.00 mm for cables ≥ 6.4 mm		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	10,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional locators are available separately:		
Series	Part number	Included in delivery
Han® C 4 ... 10 mm ²	09 99 000 0963	yes
Han® HSB 4 ... 10 mm ²	09 99 000 0985	no



Features

- Tool 09 99 000 0377 uses parallel crimping (Crimping type: die crimping)
- No adjustments are required on the crimping die itself. Due to the die's geometry, the crimp parameters (e.g. crimp depths) are specified and defined. The user only has to select the correct position in the crimping die.
- The crimping die, used together with the HARTING locators, is approved according to the crimp standard of DIN EN 60352-2.
- The crimping tool is robustly designed. Thus, even when higher forces are applied during the crimping process, the tool is easy to handle and achieves optimal crimping at the contact.
- The larger hand levers enable the user to apply the necessary force for larger cross-sections in order to crimp the contact and the stripped cable quickly and with proven quality. The manual crimping tool features versatile usage and can also be used in production lines.

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000377>



Tool 09 99 000 0001

The 4 indent crimping tool is used to manually crimp Han D[®], Han E[®], Han[®] C and Han-Yellock[®] contacts. The crimping process uses indent crimping. It is the best choice to ensure robust and high quality processing in a production line. The suitable locator as well as the appropriate crimp depth have to be configured with the suitable tool for the contact type.



Crimping tool 09 99 000 0001

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D [®]	0.14 - 2.5 mm ²	8 mm*
Han E [®]	0.5 - 2.5 mm ²	7.5 mm
Han [®] C	1.5 - 4 mm ²	9.5 mm
Han-Yellock [®]	0.5 - 2.5 mm ²	6.5 mm
*6 mm for Han D [®] 2.5 mm ²		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	10,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Locators and accessories must be ordered separately.	
09 99 000 0308	Locator Han [®] C for 0001
09 99 000 0310	Locator Han E [®] for 0001
09 99 000 0311	Locator Han D [®] for 0001
09 99 000 0342	Locator Han-Yellock [®] 20A for 0001
09 99 000 0379	Gauge pin 1.0/1.3/1.55/1.8/2.0



Features

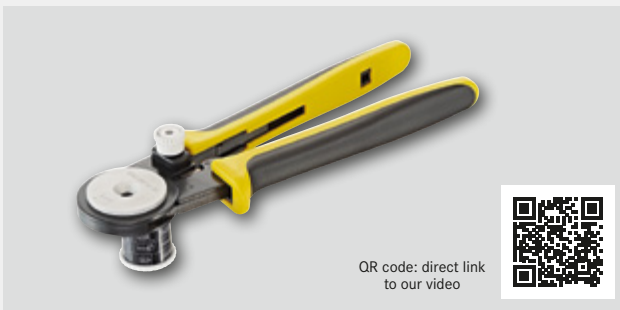
- Tool 09 99 000 0001 uses the indent crimping technique with 4 indents for deforming the contacts.
- The information required for setting the correct crimp depth and selecting the proper locator can be found in the information. The crimp depths for each contact cross-section are set with the aid of the plug gauges.
- The crimp settings and the position of the crimping are approved according to DIN EN 60352-2.
- The 4 indent manual crimping tool is recommended for use in production lines because of its robust usage and precise setting of the crimp depths.

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/0999000001>



Tool 09 99 000 0888

The double indent manual crimping tool is regarded as the specialist of manual crimping tools. The crimping tool is used to manually crimp Han D®, Han E®, Han® C and Han-Yellock® contacts. It uses the die crimping technique together with a multi-function locator. It is the best choice to ensure outstanding crimping quality for the contacts in the production line or in the field. The multi-function locator has to be set with the correct crimp depth according to the contact type.



Crimping tool 09 99 000 0888

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D®	0.14 - 2.5 mm ²	8 mm*
Han E®	0.14 - 4 mm ²	7.5 mm
Han® C	1.5 - 4 mm ²	9.5 mm
Han-Yellock®	0.14 - 4 mm ²	6.5 mm
*6 mm for Han D® 2.5 mm ²		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	10,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional accessory available individually		
Series	Part number	Included in delivery
Check gauge for 0888	09 99 000 0889	no
Han D®/E®/Han® C & Yellock® for 0888	09 99 000 0963	no
Han E® relay contact for 0888	09 99 000 0978	no



Features

- The tool 09 99 000 0888 uses the indent crimping technique with double indent for deforming the contacts. This results in 8 points of deformation.
- All necessary information for setting the crimp depth and the correct locator position is specified on the tool. The crimp depths are checked with the aid of a go/no-go plug gauge.
- The crimp depth settings and the position of the crimping are approved according to the crimp standard DIN EN 60352-2.
- The multi-function locator enables the tool to quickly change between the different contact types.
- The crimping achieves a very high quality. Due to its simplicity, versatility and outstanding quality, this tool is recommended for demanding usage in the field as well as in production lines.

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000888>



Tool 09 99 000 0990

This battery-operated crimping tool is the electrical manual crimping tool in the HARTING tool portfolio. The crimping tool is used for power-assisted manual crimping of HARTING's Han D®, Han E® and Han® C contacts. It uses the parallel die crimping. It offers the flexibility of a manual crimping tool with a power-assisted automation feature to process medium-sized batches of contacts. The tool shows its strength when used in the field, at the application, or directly in production lines and at workstations.



Crimping tool 09 99 000 0990



Features

- The tool 09 99 000 0990 uses the parallel die crimping.
- No adjustments are required on the crimping die itself. Due to the die's geometry, the crimp parameters (e.g. crimp depths) are specified and defined. The user only has to select the correct position in the crimping die and mount the locator for the relevant contact.
- The crimping die, used together with the HARTING locators, is approved according to the crimp standard of DIN EN 60352-2.
- With the help of a pre-tensioning function, it is possible to pre-adjust the contact mechanically between the crimping dies. After further pressing of the hand lever, the battery-operated crimping process starts until the contact is completely deformed. It is possible to perform about 500 crimps (using 4 mm² contacts) with only one battery charge.
- The battery crimping tool is suitable for usage in production lines as well as in field applications. This tool can process a higher number of contacts ergonomically and power-assisted, either stationary or flexibly within the application.

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D®	0.14 - 1.5 mm ²	8 mm
Han E®	0.5 - 4 mm ²	7.5 mm
Han® C	0.5 - 4 mm ²	9.5 mm
Han® C	4 - 10 mm ² *	*

* Refer to accessories for part number: and stripping lengths

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	10,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional accessory available individually		
Series	Part number	Included in delivery
Locator Han D®	09 99 000 0991	yes
Locator Han E®	09 99 000 0992	yes
Locator Han® C	09 99 000 0993	yes
Han® C set 4 ... 10 mm ²	09 99 000 0995	no

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000990>

Tool 09 99 000 0314

The pneumatic crimping tool can be used for the pneumatically operated crimping of HARTING Han D[®], Han E[®] and Han[®] C contacts. The crimping process uses indent crimp mechanism and is supported by separate locators at the back of the tool. The tool is suitable for production usage with medium-sized batches of contacts. It provides entry-level stationary crimping with a higher degree of automation.



QR code: direct link to our video

Crimping tool 09 99 000 0314



Features

- The tool 09 99 000 0314 uses the indent crimping technique with double indent for deforming the contacts. This results in 8 points of deformation.
- Before starting, the user must set the crimp depth for the contact type and cross-section according to the specifications, using the aid provided. Using the appropriate locator, the contacts can be processed safely and with high quality in large quantities for series production.
- The crimping die, used together with the HARTING locators, is approved according to the crimp standard of DIN EN 60352-2.
- The pneumatic operation makes the tool suitable for stationary applications in production lines. It ensures that medium-sized batches of contacts can be processed ergonomically and power-assisted in the production process.

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D [®]	0.14 - 2.5 mm ²	8 mm*
Han E [®]	0.14 - 4 mm ²	7.5 mm
Han [®] C	1.5 - 4 mm ²	9.5 mm
* 6 mm for Han D [®] 2.5 mm ²		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
100 cycles	1000 cycles	30,000 cycles/once per year
Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.		

Additional locators are available separately:		
Series	Part number	Included in delivery
Foot switch/table clamp set for 0314	09 99 000 0347	no
table clamp for 0314	09 99 000 0309	no

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000314>



Tool 09 99 000 0850 / 09 99 000 0851

The battery and manual-hydraulic 60 kN crimping tools are suitable for the crimping of Han® TC contacts. The process uses parallel die crimping. These powerful crimping tools are suitable for applications involving larger cross-sections between 10 and 70 mm². The crimping tools are available as both battery-hydraulic and manual-hydraulic variants.



Crimping tool 09 99 000 0850 / 09 99 000 0851

Product characteristics

Suitable for:	
Series	Cable cross-section
Han® TC 70	10 - 25 mm ²
Han® TC 100	10 - 35 mm ²
Han® TC 200	16 - 70 mm ²
Han® TC 250	10 - 70 mm ²
Han® TC 350	25 - 70 mm ²
Han® TC 650	70 mm ²

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional crimping dies are available separately:	
Crimping die	Part number
10 mm ²	09 99 000 0852
16 mm ²	09 99 000 0853
25 mm ²	09 99 000 0854
35 mm ²	09 99 000 0855
50 mm ²	09 99 000 0856
70 mm ²	09 99 000 0857



Features

- The tools 09 99 000 0850 and 09 99 000 0851 use the parallel crimping with half shell dies.
- The very robust crimping tool operates with a pressure force of 60 kN
- The electrical as well as mechanical characteristics meet our crimping standards as well as those from DIN EN 61238-1
- The tools are available as both battery and manual-hydraulic versions.

Please use the following link
or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000850>



Please use the following link
or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000851>



Tool 09 99 000 0860 / 09 99 000 0861

The hand-held and battery-operated hydraulic 120 kN crimping tools are suitable for the crimping of Han® TC contacts. The process uses parallel die crimping. These powerful crimping tools are suitable for applications involving larger cross-sections between 10 and 240 mm². The crimping tools are available as both battery-hydraulic and manual-hydraulic variants.



Crimping tool 09 99 000 0860 / 09 99 000 0861

Product characteristics

Suitable for:	
Series	Cable cross-section
Han® TC 70	10 - 25 mm ²
Han® TC 100	10 - 35 mm ²
Han® TC 200	16 - 70 mm ²
Han® TC 250	10 - 70 mm ²
Han® TC 350	25 - 70 mm ²
Han® TC 650	70 - 240 mm ²

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional crimping dies are available separately:	
Crimping die	Part number
10 mm ²	09 99 000 0862
16 mm ²	09 99 000 0863
25 mm ²	09 99 000 0864
35 mm ²	09 99 000 0865
50 mm ²	09 99 000 0866
70 mm ²	09 99 000 0867
95 mm ²	09 99 000 0868
120 mm ²	09 99 000 0869
150 mm ²	09 99 000 0870
185 mm ²	09 99 000 0871
240 mm ²	09 99 000 0872



Features

- The tools 09 99 000 0860 and 09 99 000 0861 use the parallel crimping with half shell dies.
- The very robust crimping tool operates with a pressure force of 120 kN
- The electrical as well as the mechanical characteristics meet our crimping standards as well as those from DIN EN 61238-1
- The tools are available as both battery and manual-hydraulic versions.

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000860>



Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09990000861>



Tool 09 98 000 6900

The TK-M automatic crimping machine achieves the highest level of automation while processing HARTING contact types Han D®, Han E®, Han® C and D-Sub. The crimping process uses indent crimping. The various contact types are provided fully automatically into the tool. Stripping the cable and crimping the contact are both done in one step with a cycle time of less than 2 seconds.

Thanks to its modular design, a single base unit can be used to process different contact types. The short conversion and setup times enable outstanding productivity along with the highest quality. The TK-M automatic crimping machine is suitable for production usage involving large batches of contacts.



TK-M automatic crimping machine 09 98 000 6900/
Interchangeable unit Han D® 09 98 000 6901

Product characteristics

Suitable for:			
Series	Cable cross-section	Stripping length	Change unit
Han D®	0.14* – 2.5 mm ²	8 mm ² **	09 98 000 6901
Han E®	0.14* – 4 mm ²	7.5 mm	09 98 000 6902
Han® C	1.5 – 6 mm ²	9.5 mm	09 98 000 6903
D-Sub	0.08 – 0.82 mm ²	4 mm	09 98 000 6904

*Depending on the stranded wire / **6 mm for Han D® 2.5 mm²

Maintenance intervals		
Cleaning / Test	Crimp check	Service / Maintenance
1000 cycles	5000 cycles	500,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Additional accessory available individually	
Identification	Included in delivery
Plug gauge set 1.00 to 2.40 incl. guide bush	Base unit
Hexagonal wrench set	Base unit
Storage insert for tool	Base unit
V spare blade for insulation stripping	Base unit
Operating instructions, declaration of conformity, 2 m pneumatic connection cable, 2 m connection cable with safety earth plug	Base unit
Alignment mandrel	Change unit
Sorting chicane	Change unit
Radial V-blades for special wires	On request



Features

- The tool uses the indent crimping technique with double indents for deforming the contacts. This results in 8 points of deformation.
- For individual, turned male and female contacts
- Processes male and female contacts without exchanging or converting the interchangeable unit
- Automatically feeds the contacts and separates them
- A housing that can be opened without tools and a setup-optimised tool design are the two factors that enable quick conversions and setups for the TK-M base unit.
- Guided operation and setup via a touch screen
- Stripping and crimp depth are easy to set using the rotary knob
- The recommended settings for the crimp depth and the position of the crimping are approved according to the crimp standard DIN EN 60352-2.

Please use the following link
or QR code to go directly to our e-shop:
<https://b2b.harting.com/09980006900>



Tool 09 98 000 9001

The TC-C01 automatic crimping machine for Han D® is suitable for the semi-automatic crimping of HARTING Han D® contacts. The crimping process uses indent crimping. The contacts are supplied into the tool by means of a vibrating bowl and then positioned within the crimping tool. After inserting the stripped stranded wire into the contact hole, the crimping process is triggered by pressing the foot switch.

The crimp depth is set using a rotary knob. Long intervals between required testing and maintenance enable you to achieve high productivity with consistent quality. The TC-C01 automatic crimping machine for Han D® is suitable for production usage with medium to large batches of contacts.



TC-C01 crimping machine 09 99 000 9001



Features

- The tool 09 98 000 9001 uses the indent crimping technique with double indents for deforming the contacts. This results in 8 points of deformation.
- For individual, turned male and female contacts
- Automatically feeds the contacts and separates them
- Infinitely adjustable conveying speed
- Crimp depth is easy to set using the rotary knob
- The recommended settings for the crimp depth and the position of the crimping are approved according to the crimp standard DIN EN 60352-2.
- All necessary information for setting the crimp depth and the recommended stripping length is specified on the tool. The crimp depths are checked with the aid of the plug gauges.

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han D®	0.14 - 2.5 mm ²	8/6 mm*
*6 mm for Han D® 2.5 mm ²		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
1000 cycles	5000 cycles	500,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Pack contents	
Identification	Included in delivery
Plug gauge set incl. guide bush	yes
Hexagonal wrench	yes
Foot switch	yes
Operating instructions, declaration of conformity, 2 m pneumatic connection cable, 2 m connection cable with safety earth plug	yes

Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09980009001>



Tool 09 98 000 9002

The TC-C01 automatic crimping machine for Han E® is suitable for the semi-automatic crimping of HARTING Han E® contacts. The crimping process uses indent crimping. The contacts are supplied into the tool by means of a vibrating bowl and then positioned within the crimping tool. After inserting the stripped stranded wire into the contact hole, the crimping process is triggered by pressing the foot switch.

The crimp depth is set using a rotary knob. Long intervals between required testing and maintenance enable you to achieve high productivity with consistent quality. The TC-C01 automatic crimping machine for Han E® is suitable for production usage with medium to large batches of contacts.



TC-C01 crimping machine 09 98 000 9002

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han E®	0.5 - 4 mm ²	7.5 mm

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
1000 cycles	5000 cycles	500,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Pack contents	
Identification	Included in delivery
Plug gauge set incl. guide bush	yes
Hexagonal wrench	yes
Foot switch	yes
Operating instructions, declaration of conformity, 2 m pneumatic connection cable, 2 m connection cable with safety earth plug	yes



Features

- The tool 09 98 000 9002 uses the indent crimping technique with double indents for deforming the contacts. This results in 8 points of deformation.
- For individual, turned male and female contacts
- Automatically feeds the contacts and separates them
- Infinitely adjustable conveying speed
- Crimp depth is easy to set using the rotary knob
- The recommended settings for the crimp depth and the position of the crimping are approved according to the crimp standard DIN EN 60352-2.
- All necessary information for setting the crimp depth and the recommended stripping length is specified on the tool. The crimp depths are checked with the aid of the plug gauges.

Please use the following link
or QR code to go directly to our e-shop:
<https://b2b.harting.com/09980009002>



Tool 09 98 000 9003

The TC-C01 automatic crimping machine for Han® C is suitable for the semi-automatic crimping of HARTING Han® C contacts. The crimping process uses indent crimping. The contacts are supplied into the tool by means of a vibrating bowl and then positioned within the crimping tool. After inserting the stripped stranded wire into the contact hole, the crimping process is triggered by pressing the foot switch.

The crimp depth is set using a rotary knob. Long intervals between required testing and maintenance enable you to achieve high productivity with consistent quality. The TC-C01 automatic crimping machine for Han® C is suitable for production usage with medium to large batches of contacts.



QR code: direct link to our video

TC-C01 crimping machine 09 98 000 9003

Product characteristics

Suitable for:		
Series	Cable cross-section	Stripping length
Han® C	1.5 - 10 mm ²	9.5/12 mm*
* 12 mm for Han® C 10 mm ²		

Maintenance intervals		
Cleaning/Test	Crimp check	Service/Maintenance
1000 cycles	5000 cycles	500,000 cycles/once per year

Please contact your sales distributor to take advantage of the maintenance package in order to maximise the service life of your tools.

Pack contents	
Identification	Included in delivery
Plug gauge set incl. guide bush	yes
Hexagonal wrench	yes
Foot switch	yes
Operating instructions, declaration of conformity, 2 m pneumatic connection cable, 2 m connection cable with safety earth plug	yes



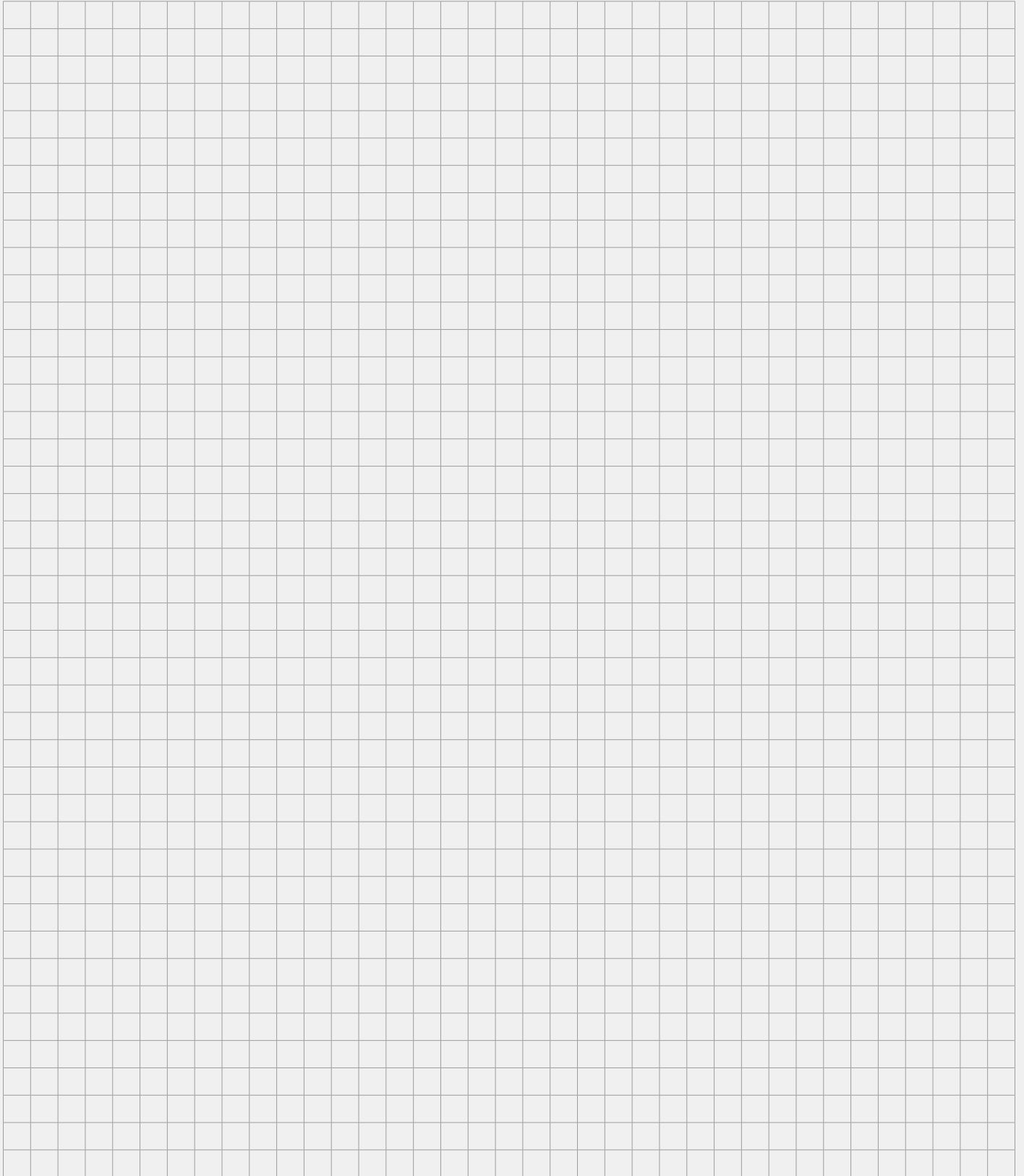
Features

- The tool 09 98 000 9003 uses the indent crimping technique with double indents for deforming the contacts. This results in 8 points of deformation.
- For individual, turned male and female contacts
- Automatically feeds the contacts and separates them
- Infinitely adjustable conveying speed
- Crimp depth is easy to set using the rotary knob
- The recommended settings for the crimp depth and the position of the crimping are approved according to the crimp standard DIN EN 60352-2.
- All necessary information for setting the crimp depth and the recommended stripping length is specified on the tool. The crimp depths are checked with the aid of the plug gauges.





Please use the following link or QR code to go directly to our e-shop:
<https://b2b.harting.com/09980009003>



Notes



Overview of Han[®] crimping tools and contacts

Crimp contacts	Part number				mm ²	AWG	Crimping tools							Removal tools
	Male contact silver plated	Female contact silver plated	Male contact gold plated	Female contact gold plated			09 99 000 0888	09 99 000 0110	09 99 000 0021	09 99 000 0001	09 99 000 0377	09 99 000 0990 ¹⁾	20 99 000 1035	
Han D [®] signal contacts 09 15 000 	6107	6207	6127	6227	0.14-0.37	26-22	x			x				09 99 000 0012
	6104	6204	6124	6224				x	x			x		
	6103	6203	6123	6223	0.5	20	x	x	x	x		x		
	6105	6205	6125	6225	0.75	18	x	x	x	x		x		
	6102	6202	6122	6222	1.0	18	x	x	x	x		x		
	6101	6201	6121	6221	1.5	16	x	x	x	x		x		
	6106	6206	6126	6226	2.5	14	x			x				
Han D [®] FO contacts 20 10 001	Male contact 3211 3212 / 3213		Female contact 3221 3222		1 mm POF							x		
Han E [®] power contacts 09 33 000 ... 	6127	6227	6117	6217	0.14-0.37	26-22	x			x			09 99 000 0319	
	6121	6220	6122	6222	0.5	20	x	x	x	x		x		
	6114	6214	6115	6215	0.75	18	x	x	x	x		x		
	6105	6205	6118	6218	1.0	18	x	x	x	x		x		
	6104	6204	6116	6216	1.5	16	x	x	x	x		x		
	6102	6202	6123	6223	2.5	14	x	x	x	x		x		
	6106	6206			3.0	12	x	x		x		x		
	6107	6207	6119	6221	4.0	12	x	x		x		x		
Han E [®] F.O. contacts 20 10 001 ...	Male contact 3311		Female contact 3321		1 mm POF							x		
Han [®] C power contacts 09 32 000... 	6104	6204			1.5	16	x	x		x		x	09 99 000 0305 09 99 000 0381	
	6105	6205			2.5	14	x	x		x		x		
	6107	6207			4.0	12	x	x		x	x	x		
	6108	6208			6.0	10				x	x ¹⁾			
	6109	6209			10.0	8				x	x ¹⁾			
Han-Yellock [®] power contacts 11 05 000 	6101	6201	6121	6221	0.14-0.37	26-22	x			x			09 99 000 0319	
	6102	6202	6122	6222	0.5	20	x	x	x	x				
	6103	6203	6123	6223	0.75	18	x	x	x	x				
	6104	6204	6124	6224	1.0	18	x	x	x	x				
	6105	6205	6125	6225	1.5	16	x	x	x	x				
	6106	6206	6126	6226	2.5	14	x	x	x	x				
	6107	6207	6127	6227	3.0	12	x	x		x				
	6108	6208	6128	6228	4.0	12	x	x		x				
Locator														
Han D [®]	09 99 000 0311									x				
Han E [®]	09 99 000 0310									x				
Han [®] C	09 99 000 0308									x				
Han-Yellock [®]	09 99 000 0342								x					
	09 99 000 0341									x				
	09 99 000 0343										x			
Han D [®] , Han E [®] , Han [®] C	09 99 000 0376									x				

Footnote:

¹⁾ Battery-operated crimping tool: With the additional set 09 99 000 0995, it can also process Han[®] C contacts with conductor cross-sections of 6 and 10 mm².

Overview of Han[®] crimp machines and contacts

Crimp terminals series	Part number				mm ²	AWG	Crimping machines							
	Male contact silver plated	Female contact silver plated	Male contact silver plated	Female contact silver plated			09 99 000 0314	09 99 000 0307	09 98 000 6901 ¹⁾	09 98 000 6902 ¹⁾	09 98 000 6903 ¹⁾	09 98 000 6907 ¹⁾	09 98 000 9001	09 98 000 9002
Han D [®] signal contacts 09 15 000	6107	6207	6127	6227	0.14-0.37	26-22	x	x ²⁾				x		
	6103	6203	6123	6223	0.5	20	x							
	6105	6205	6125	6225	0.75	18	x	x				x		
	6102	6202	6122	6222	1.0	18	x	x				x		
	6101	6201	6121	6221	1.5	16	x	x				x		
	6106	6206	6126	6226	2.5	14	x	x				x		
Han E [®] power contacts 09 33 000 ...	6127	6227	6117	6217	0.14-0.37	26-22	x		x ²⁾					x
	6121	6220	6122	6222	0.5	20	x		x					x
	6114	6214	6115	6215	0.75	18	x		x					x
	6105	6205	6118	6218	1.0	18	x		x					x
	6104	6204	6116	6216	1.5	16	x		x					x
	6102	6202	6123	6223	2.5	14	x		x					x
	6106	6206			3.0	12	x		x					x
	6107	6207	6119	6221	4.0	12	x		x					x
Han-Yellock [®] power contacts 11 05 000	6101	6201	6121	6221	0.14-0.37	26-22						x		
	6102	6202	6122	6222	0.5	20						x		
	6103	6203	6123	6223	0.75	18						x		
	6104	6204	6124	6224	1.0	18						x		
	6105	6205	6125	6225	1.5	16						x		
	6106	6206	6126	6226	2.5	14						x		
	6107	6207	6127	6227	3.0	12						x ³⁾		
	6108	6208	6128	6228	4.0	12						x ³⁾		
Han [®] C power contacts 09 32 000...	6104	6204			1.5	16	x	x			x			x
	6105	6205			2.5	14	x	x			x			x
	6107	6207			4.0	12	x	x			x			x
	6108	6208			6.0	10		x			x			x
	6109	6209			10.0	8					x ⁴⁾			x

Footnote:

- 1) You will need the TK-M base unit 09 98 000 6900 in order to use this interchangeable unit.
- 2) Depending on the stranded wires
- 3) Only with modification 09 98 557 6900
- 4) Only with modification 09 98 553 6900



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