

Minitek MicroSpace™ Hand Tool

ALL CRIMPS IN ONE TOOL

The FCI Basics' crimping hand tool is professionally designed for applications in the prototyping phase or small production quantities. The hand tool has a mechanism which opens automatically after making the last advance of the ratchet. It has 4 different crimping cavities giving you all the crimps in one convenient tool.

The hand tool is designed for Amphenol's Minitek Microspace™ Crimp-to-Wire product family. This connector platform's unique design enables LV214 Severity-2 and performs at 1.80mm, 1.50mm and 1.27mm pitch. Minitek MicroSpace™ is available in single and double row versions, with top or side latch configurations.

- Hand Tool P/N: 10161117-001
- 4 different crimp cavities in one product
- AWG sizes: 22 – 24 – 26 – 28
- Contact (base part number): 10141272; 10148496; 10144183
- Ergonomic handle for optimal grip

Amphenol ICC recommends using the hand tool for prototyping and small production quantities.

This tool should only be used for the terminals and wire gauges specified in this document.

To learn more about how to use our all-in-one Crimping Hand Tool, [click](#) to watch the video.



TARGET MARKETS



Hand Tool Assembly

Minitek MicroSpace™ Hand Tool P/N 10161117-001



1
Unlock 2 pins by pushing towards them.



2
Extract the pins.



3
Open the handles and insert the tool head into the open holes. The laser marking of both parts should match.



4
Lock the pins by pushing toward them. Hand Tool is ready to use.



NOTE

Amphenol ICC recommends using the hand tool for prototyping and small production quantities only.

Premature Release of the Hand Tool

In case of an assembly mistake / operating fault the pliers can be opened prematurely by unlocking the integrated ratchet by pushing the handles gently together and at the same time releasing the locking lever.

By doing so the handles can be opened completely and the crimp contact can be released.



CAUTION

Do not use the crimped wire in case of a premature release!

Please pay attention that in-correct crimped wires are disposed and not processed.

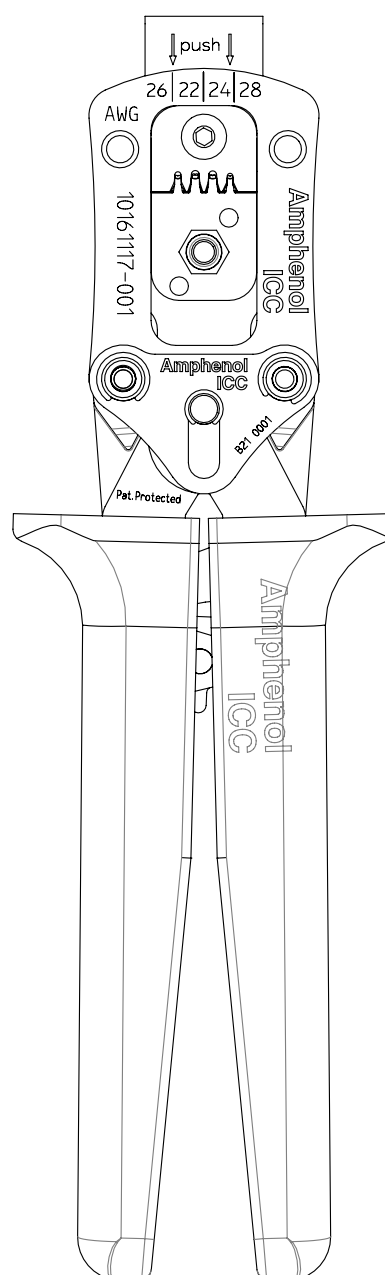
Ausführung:
Workmanship:

- Leichte Handhabung
Easy handling
- Linearer Hub
Straight action principle
- Entriegelbare Zwangssperre
Ratchet release
- Kontaktpositionierung mit Klapppositionierer
Leiterpositionierung mit Isolationsstopblech
Contact positioning with flap locator
Wire positioning with insulation stop
- Präzise geschliffene Profile
Precisely ground profiles
- Oberfläche brüniert
Burnished surface
- Ergonomisch geformte Soft-Handgriffe
Farbe: verkehrsblau (ähnl. RAL 5017)
Ergonomically formed soft-grips
Colour: traffic blue (similar RAL 5017)
- RoHS konform
RoHS compliant

Abmessungen:

Dimensions:

- Länge: ca. 205 mm
Length: approx. 205 mm
- Breite: ca. 65 mm
Width: approx. 65 mm
- Tiefe: ca. 29 mm
Depth: approx. 29 mm
- Gewicht: ca. 315 g
Weight: approx. 315 g



Anwendungsbereich:

Application range:

Leiterquerschnitt Cross section range	Crimphöhe Leiter Crimp height wire ±0,03	Crimpbreite Leiter Crimp width wire -0,05	Crimphöhe Isolation Crimp height insulation -0,1	Crimpbreite Isolation Crimp width insulation -0,1
AWG 26	0,56	0,9	1,2	1,05
AWG 22	0,78	1,1	1,45	1,35
AWG 24	0,62	1,1	1,35	1,35
AWG 28	0,54	0,9	1,0	0,95