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## Self-Adjusting Crimping Pliers for end sleeves (ferrules) with lateral access

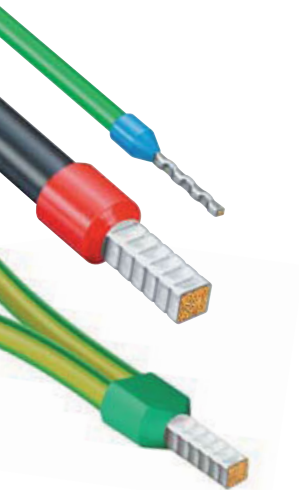
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97 53 04



97 53 14



Compact crimping pliers for end sleeves (ferrules) with two great advantages for the user:

- Automatic self-adjustment to the end sleeve (ferrule) used: this allows the specialist to work with less strain and enables secure, reliable and quick crimping.
- Extensive range of applications: square crimping 0.08 to 10.0 mm<sup>2</sup>, hexagon crimping 0.08 to 6.0 mm<sup>2</sup>

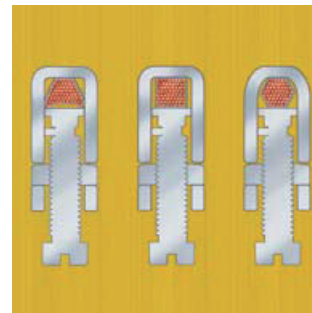
- for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4
- self-adjusting adaptation to the desired end sleeve (ferrule) size: no wrong crimps caused by using the wrong die
- fits all twin ferrules within the application range
- lateral access of the end sleeves (ferrules) into the tool
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- these tools have been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force due to toggle lever action for fatigue-reduced operation
- high operation comfort thanks to handy shape and low weight
- Chrome vanadium electric steel in special quality, oil-hardened

### 97 53 04

square crimping for optimum contact areas in the clamp connection

### 97 53 14

hexagonal crimping for optimum positioning in confined areas



The square crimping allows better contact. The hexagonal crimping comes very close to the space-saving round shape. Compared with the square crimp, it has the same cross-section and can make optimum contact in narrow round terminal connectors. With both crimping shapes the often tricky feeding into the terminal connection is no longer necessary.



Square-crimped end sleeves (ferrules) always ensure good contact surfaces in the clamped connection

Article No.	EAN 4003773-	↔ mm		Pliers	Handles			Applications	Capacity mm <sup>2</sup>	AWG	Number of crimping positions	⚖ g
97 53 04	028017	180	☐	burnished	with multi-component grips	☒		End Sleeves (ferrules)	0.08 - 10	28 - 7	1	405
97 53 14	041474	180	⬠	burnished	with multi-component grips	☒		End Sleeves (ferrules)	0.08 - 6.0	28 - 10	1	404

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## Self-Adjusting Crimping Pliers for end sleeves (ferrules) with front loading

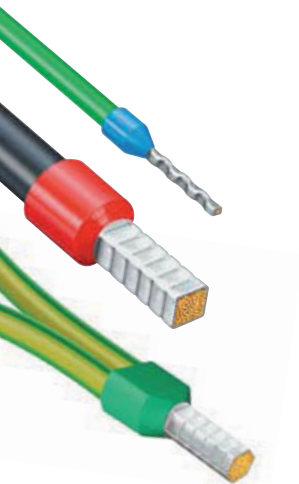
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97 53 08



97 53 09



The crimping pliers for end sleeves (ferrules) with three great advantages for the user:

- Automatic self-adjustment to the end sleeve (ferrule) used: This allows the specialist to work with less strain and enables secure, reliable and quick crimping.
- Range of applications also for large cross-sections: square crimping 0.08 to 10.0 + 16.0 mm<sup>2</sup>
- Front loading: very helpful under difficult working conditions in confined spaces.

- for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4
- self-adjusting adaptation to the desired end sleeve (ferrule) size: no wrong crimps caused by using the wrong die
- fits all twin-ferrules within the application range
- front loading of the end sleeves (ferrules) into the tool
- repetitive, high crimping quality due to integral lock (self-releasing mechanism)
- crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force due to toggle lever action for fatigue-reduced operation
- high operation comfort thanks to handy shape and low weight
- Chrome vanadium electric steel in special quality, oil-hardened

### 97 53 08

crimping from 0.08 - 10.0 mm<sup>2</sup> in one profile; end sleeves (ferrules) up to 2.5 mm<sup>2</sup> can also be loaded parallelly from the side

### 97 53 09

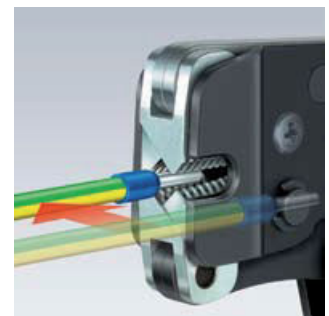
crimping from 0.08 - 10.0 and 16.0 mm<sup>2</sup> in one profile; with selector lever for setting the crimping area either to 0.08 - 10 mm<sup>2</sup> or 16 mm<sup>2</sup>



Square crimping



Front loading of end sleeves (ferrules) e.g. in switchboards



97 53 08: lateral loading of end sleeves (ferrules) up to 2.5 mm<sup>2</sup> parallelly from the side e.g. in confined areas

Article No.	EAN 4003773-	↔ mm		Pliers	Handles			Applications	Capacity mm <sup>2</sup>	AWG	Number of crimping positions	g
97 53 08	040187	190	MM	burnished	with multi-component grips	☒		End Sleeves (ferrules)	0.08 - 10	28 - 7	1	477
97 53 09	044550	190	MM	burnished	with multi-component grips	☒		End Sleeves (ferrules)	0.08 - 10 + 16	28 - 7 + 5	1	486

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## Crimping Pliers for micro plugs

parallel crimping



97 54 24  
MM



- parallel crimping performance to satisfy the particularly high standards of small connectors
- repetitive, high crimping quality due to precision dies and integral lock (self-releasing mechanism)
- fixed locator for D-Sub micro plugs for an exact positioning of connector and cable
- crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
- optimum transmission of force due to toggle lever for fatigue-reduced operation
- crimping pliers for other mini plugs as e.g. HD 22, Modu IV, Micro Timer, MQS, ... on request
- Chrome vanadium electric steel in special quality, oil-hardened



Article No.	EAN 4003773-	↔ mm		Pliers	Handles			Applications	Capacity mm²	AWG	Number of crimping positions	g
97 54 24	060215	190	MM	burnished	with multi-component grips			D Sub; HD 20; HDE plug	0.03 - 0.56	32 - 20	3	305

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## Crimping Pliers for end sleeves (ferrules)



97 62 145 A



97 68 145 A



- for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4 in the range from 0.25 up to 2.5 mm²
- crimping in marked trapezoidal dies for reliable connections between the sleeve and the conductor
- Vanadium electric steel; forged, oil-hardened

Article No.	EAN 4003773-	↔ mm		Head	Handles			Capacity mm²	AWG	Number of crimping positions	g
97 61 145 A	035558	145		polished	plastic coated			0.25 - 2.5	23 - 13	6	140
97 61 145 F	043980	145	MM	polished	plastic coated			0.25 - 2.5	23 - 13	6	140
97 62 145 A	060154	145		polished	with multi-component grips			0.25 - 2.5	23 - 13	6	170
97 68 145 A	071754	145		1000 V	insulated with multi-component grips, VDE-tested			0.25 - 2.5	23 - 13	6	175