

# druseidt

## Elektrotechnik

**Battery operated hydraulic crimping and cutting tools  
with USB-interface**



**druseidt tool systems**

Deliverable with fixed as well as exchangeable crimping- and cutting heads

## Deliverable designs

### Battery operated hydraulic crimping tools with fixed heads

- Battery operated crimping tool 60 kN with collapsible head
- Battery operated crimping tool 130 kN with C-form designed crimping head/opening width 25 mm
- Battery operated crimping tool 130 kN with C-form designed crimping head/opening width 42 mm

### Battery operated hydraulic crimping- and cutting tools with exchangeable heads

- Battery operated tool 60 kN with following exchangeable heads: collapsible crimping head for half shell dies, collapsible crimping head for flat dies, cutting head for aluminium and copper cables, cutting head for ACSR-cables
- Battery operated tool 100 kN with following exchangeable heads: collapsible crimping head for flat dies, cutting head for aluminium and copper cables

### Battery operated hydraulic cutting tools with fixed cutting heads

- Battery operated cutting tool 60 kN for copper and aluminium cables up to 50 mm Ø
- Battery operated cutting tool 70 kN for copper and aluminium cables up to 85 mm Ø

### Druseidt tool systems with exchangeable tool-heads



Collapsible crimping head 60 kN for half shell dies



Collapsible crimping head 60 kN/100 kN for flat dies



Cable cutter 60 kN for ACSR-cable



Cable cutter 100 kN for copper and aluminium cables



Cable cutter 60 kN for copper and aluminium cables

We deliver suitable cable connectors and cable lugs as well as high quality tools for nearly any kind of application. With pleasure we'll transmit our catalogue no. 1 with detailed information free of charge on your demand.

## Highest quality „made in Germany“

### System description

druseidt's battery operated hydraulic crimping- and cutting tools offer an excellent solution for mobile applications as well as working in small places. The new tool generation is characterized by a modern process- and control technology combined and equipped with Li-Ion batteries and a USB-interface to connect them with all popular PC-systems. The included analysis software allows an interpretation of the crimping process and offers services- and monitoring functions too. Additionally all tools are equipped with an optical failure- and stand-by indication system. So a maximum of performance, safety and controlling is guaranteed.

### Characteristic of the tools

- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating crimping and cutting heads
- automatic motor stop and automatic retraction once crimp is completed (the automatic retraction function can be switched off in case of need).
- electronic control and inspection of the crimping and cutting cycles
- USB-interface for remote diagnosis
- optical failure and stand-by indication system



Battery operated  
crimping tool 130 kN  
with harness



Set of battery operated  
hydraulic crimping tool 60 kN  
with fixed crimping head



Set of battery operated  
hydraulic crimping tool 60 kN  
with exchangeable tool heads

## Battery operated hydraulic crimping tool 60 kN with fixed crimping head

### Description:

- suitable for working with exchangeable die-sets
- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating crimping head
- automatic pressure limit and monitoring by a pressure sensor
- electronic control and inspection of the crimping cycle
- quick motor stop and manual retraction
- automatic motor stop and automatic retraction once crimp is completed (the automatic retraction function can be switched off in case of need)
- USB-interface for remote diagnosis
- analysis software with interpretation-, service- and monitoring function
- optical failure- and stand-by indication system
- high performance Lithium-Ion-Battery
- 230 V mains adapter as accessory part



### Range of application

- |   |                        |
|---|------------------------|
| • cable lugs handles type   | 10-300 mm <sup>2</sup> |
| • cable lugs and connectors according to DIN 46235/46267 part 1           | 10-240 mm <sup>2</sup> |
| • Aluminium-cable lugs and connectors according to DIN 46329/46267 part 2 | 10-240 mm <sup>2</sup> |
| • cable lugs and connectors according to DIN 46234/46341 part 1           | 10- 70 mm <sup>2</sup> |
| • cable end sleeves according to DIN 46228 part 1+4                       | 10-240 mm <sup>2</sup> |
| • round crimping dies   | 25-240 mm <sup>2</sup> |

### Order data

#### Part-No. 13552 standard set

consisting out of:

- |         |                                |
|---------|--------------------------------|
| 1 Piece | battery operated crimping tool |
| 1 Piece | Li-Ion battery                 |
| 1 Piece | battery charger                |
| 1 Piece | analysis software              |
| 1 Piece | USB connecting lead            |
| 1 Piece | steel carrying case            |

### Accessories:

- Part-No. 13553** Li-Ion battery (second piece)  
**Part-No. 13554** Additional Battery charger  
**Part-No. 13555** 230 V mains adapter  
**Part-No. 13538** Harness

### Technical data

- crimping force 60 kN
- max. stroke 17 mm
- operating pressure 700 bar
- Li-Ion battery 14,4 V/2,6 Ah
- time of loading ca. 45 min.
- battery charger: 230 V/50 Hz with connecting lead of 2 m length
- weight: ca. 4,15 kg

## Battery operated hydraulic crimping tool 130 kN with fixed tool head

### Description:

- suitable for working with exchangeable die-sets
- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating crimping head
- automatic pressure limit and monitoring by a pressure sensor
- electronic control and inspection of the crimping cycle
- quick motor stop and manual retraction
- automatic motor stop and automatic retraction once crimp is completed (the automatic retraction function can be switched off in case of need)
- USB-interface for remote diagnosis
- analysis software with interpretation-, service- and monitoring function
- optical failure- and stand-by indication system
- high performance Lithium-Ion-Battery
- 230 V mains adapter as accessory part



### Range of application

cable lugs handles type	10-300 mm <sup>2</sup>
cable lugs and connectors according to DIN 46235/46267 part 1	10-300 mm <sup>2</sup>
Aluminium-cable lugs and connectors according to DIN 46329/46267 part 2	10-300 mm <sup>2</sup>
round crimping dies	25-300 mm <sup>2</sup>
cable lugs and connectors according to DIN 46234/46341 part 1	10-240 mm <sup>2</sup>
cable end sleeves according to DIN 46228 part 1+4	25-240 mm <sup>2</sup>

### Order data

**Part-No. 13551/25 opening width 25 mm**

**Part-No. 13551/42 opening width 42 mm**

1 Standard set consisting out of:

- 1 Piece battery operated crimping tool
- 1 Piece Li-Ion battery
- 1 Piece battery charger
- 1 Piece analysis software
- 1 Piece USB connecting lead
- 1 Piece steel carrying case

### Accessories

**Part-No. 13553** Li-Ion battery (second piece)

**Part-No. 13554** Additional Battery charger

**Part-No. 13555** 230 V mains adapter

**Part-No. 13538** Harness

### Technical data

- crimping force 130 kN
- Part-No. 13551/25 opening width 25 mm
- Part-No. 13551/42 opening width 42 mm
- crimping time: ca. 7,8-13,5 sec. (in dependence of the cross-section range)
- Li-Ion battery 14,4 V/2,6 Ah
- time of loading: ca. 45 min.
- battery charger: 230V/50 Hz with connecting lead of 2 m length
- weight: ca. 7,20 kg

## Battery operated hydraulic crimping and cutting tool 60 kN with exchangeable tool heads

### Description:

- universal battery operated hydraulic crimping and cutting tool with exchangeable tool heads
- deliverable tool heads:
  - **Part-No. 14241** collapsible crimping head for half shell dies
  - **Part-No. 14242** collapsible crimping head for flat dies
  - **Part-No. 14243** cutting head for copper and aluminium cables max. Ø 65 mm
  - **Part-No. 14244** cutting head for ACSR-cable max. Ø 45 mm
- Basic unit Part-No. 14240 suitable for working with exchangeable tool heads
- Crimping heads Part-No. 14241/14242 suitable for working with exchangeable die sets
- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating crimping head
- automatic pressure limit and monitoring by a pressure sensor
- electronic control and inspection of the crimping cycle
- quick motor stop and manual retraction
- automatic motor stop and automatic retraction once crimp is completed (the automatic retraction function can be switched off in case of need)
- USB-interface for remote diagnosis
- Analysis software with interpretation-, service- and monitoring function
- optical failure- and stand-by indication system
- high performance Lithium-Ion-Battery
- 230 V mains adapter as accessory part



### exchangeable tool-head

Range of application crimping heads	exchangeable tool-head	
	Part-No. 14241	Part-No. 14242
cable lugs handles type	10-300 mm <sup>2</sup>	10-300 mm <sup>2</sup>
cable lugs and connectors according to DIN 46235/46267 part 1	10-240 mm <sup>2</sup>	10-240 mm <sup>2</sup>
Aluminium-cable lugs and connectors according to DIN 46329/46267 part 2	10-240 mm <sup>2</sup>	10-240 mm <sup>2</sup>
cable lugs and connectors according to DIN 46234/46341 part 1	10- 70 mm <sup>2</sup>	-
cable end sleeves according to DIN 46228 part 1+4	10-240 mm <sup>2</sup>	-
round crimping dies	25-240 mm <sup>2</sup>	25-240 mm <sup>2</sup>

  

Range of application cutting heads	exchangeable tool-head	
	Part-No. 14243	Part-No. 14244
copper and aluminium cable	up to 65 mm Ø	up to 45 mm Ø
ACSR-cable	-	up to 45 mm Ø

### Order data

<b>Part-No. 14240</b>	1 standard set consisting out of: 1 Piece battery operated basic unit 1 Piece Li-Ion battery 1 Piece battery charger 1 Piece analysis software 1 Piece USB connecting lead
<b>Part-No. 14241</b>	1 Piece crimping head for half shell dies
<b>Part-No. 14242</b>	1 Piece crimping head for flat dies
<b>Part-No. 14243</b>	1 Piece cutting head for copper and aluminium cable 65 mm Ø
<b>Part-No. 14244</b>	1 Piece cutting head for ACSR cable 45 mm Ø
<b>Part-No. 14245</b>	1 Piece steel carrying case

### Technical data

- Crimping force 60 kN
- max. stroke 55 mm
- operating pressure 700 bar
- crimping time 3-6 sec. (in dependence of the cross-section)
- Li-Ion battery 14,4 V/2,6 Ah
- time of loading ca. 45 min.
- battery charger: 230 V/50 Hz with connecting lead of 2 m length
- weight: in dependence of the tool head 6,0-7,5 kg

### Accessories

<b>Part-No. 13553</b>	Li-Ion battery (second piece)
<b>Part-No. 13554</b>	Additional battery charger
<b>Part-No. 13555</b>	230 V mains adapter
<b>Part-No. 13538</b>	Harness

## Battery operated hydraulic crimping and cutting tool 100 kN with exchangeable tool heads

### Description:

- universal, handy battery operated hydraulic tool with exchangeable crimping and cutting heads. The tool enables a economically combined working (crimping and cutting) of copper and aluminium cables.
- Deliverable tool heads
- **Part-No. 12753** collapsible crimping head for flat dies
- **Part-No. 12751** cutting head for copper and aluminium cables up to 54 mm Ø
- Basic unit Part-No. 12748 suitable for working with exchangeable tool heads/attachment bracket
- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating crimping head
- automatic pressure limit and monitoring by a pressure sensor
- electronic control and inspection of the crimping cycle
- quick motor stop and manual retraction
- automatic motor stop and automatic retraction once crimp is completed (the automatic retraction function can be switched off in case of need)
- USB-interface for remote diagnosis
- analysis software with interpretation-, service- and monitoring function
- optical failure- and stand-by indication system
- high performance Lithium-Ion-Battery
- 230 V mains adapter as accessory part



### Range of application

cable lugs handles type	10-300 mm <sup>2</sup>
cable lugs and connectors according to DIN 46235/46267 part 1	10-300 mm <sup>2</sup>
aluminium-cable lugs and connectors according to DIN 46329/46267 part 2	10-300 mm <sup>2</sup>
round crimping dies	25-240 mm <sup>2</sup>
cutting of copper and aluminium-cables	up to 54 mm Ø

### Order data

<b>Part-No. 12748</b>	1 Standard set consisting out of: 1 Piece battery operated basic unit 1 Piece Li-Ion battery 1 Piece battery charger 1 Piece analysis software 1 Piece USB connecting lead
<b>Part-No. 12749</b>	1 Piece steel carrying case
<b>Part-No. 12753</b>	1 Piece crimping head for flat dies
<b>Part-No. 12751</b>	1 Piece cutting head for copper and aluminium-cables up to 54 mm Ø

### Accessories

<b>Part-No. 13553</b>	Li-Ion battery (second piece)
<b>Part-No. 13554</b>	additional battery charger
<b>Part-No. 13555</b>	230 V mains adapter
<b>Part-No. 13538</b>	Harness

### Technical data

- crimping force 100 kN
- max. stroke 17 mm
- operating pressure 700 bar
- crimping time 3-6 sec. (in dependence of the cross-section)
- Li-Ion battery 14,4 V/2,6 Ah
- time of loading ca. 45 min.
- battery charger: 230 V/50 Hz with connecting lead of 2 m length
- weight: with crimping head 5,3 kg  
with cutting head 6,1 kg

## Battery operated hydraulic cutting tools 60/70 kN for copper and aluminium-cables max. Ø 50 mm/85 mm

### Description:

- suitable for cutting copper and aluminium-cables without core wire
- two stage hydraulic system with quick feed and power stroke
- collapsible 360° rotating cutting head
- automatic pressure limit and monitoring by a pressure sensor
- electronic control and inspection of the cutting cycle
- quick motor stop and manual retraction
- automatic motor stop and automatic retraction
- USB-interface for remote diagnosis
- analysis software with interpretation-, service- and monitoring function
- optical failure- and stand-by indication system
- high performance Lithium-Ion battery
- 230 V mains adapter as accessory part



### Range of application

Cutting of copper and aluminium-cables without core wire

Technical data	Part-No. 13534	Part-No. 13535
cutting force	60 kN	70 kN
max. cutting Ø	50 mm	85 mm
weight	ca. 5,6 kg	ca. 7,3 kg
battery	Li-Ion 14,4 V / 2,6 Ah	
time of loading	ca. 45 minutes	
battery charger	230 V/50 Hz with connecting lead of 2 m length	

### Order data

<b>Part-No. 13534</b>	1 standard cutting set max. Ø 50 mm
<b>Part-No. 13535</b>	1 standard cutting set max. Ø 85 mm
	each consisting out of:
	1 Piece cutting tool
	1 Piece Li-Ion battery
	1 Piece battery charger
	1 Piece analysis software
	1 Piece USB connecting lead
	1 Piece steel carrying case

### Accessories

<b>Part-No. 13553</b>	Li-Ion battery (second piece)
<b>Part-No. 13554</b>	additional battery charger
<b>Part-No. 13555</b>	230 V mains adapter
<b>Part-No. 13538</b>	Harness

## Notes

## Druseidt - your partner for modern and quality conscious connection technology

We offer more than only a simple delivering of cable lugs, connectors, tools and installation material

- realization of a high quality standard
- reproduction of products and processes
- quick delivery of products
- flexibility to realize your special wishes
- extensive consultation and service performances
- constructional support by the realization of projects and products
- developing of new and further development of existent products
- extensive services, realization of repair and installation works, constructional solutions for plants and high current components, express deliveries of stocked standard material etc.

Our extensive business activities in the range of solderless connection and installation material exist out of

- insulated cable lugs and connectors
- insulated and uninsulated cable end sleeves
- uninsulated cable lugs and connectors
- connectors and material for switch board application
- battery clamps and clips
- high current plugs and sockets
- connectors and accessories for test bag and switch board application
- stripping-, cutting- and crimping tools



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