

## SHORT-INFO

# a-LTW / i-LTW 3000 KD

### Water-cooled TIG cold wire torch.

- Water-cooled
- Up to 320 A
- Integrated cold wire feed
- Assorted operating variants
- Ergonomic handle recess, size 1
- Two-hand operation



## At a glance

### Integrated cold wire feed

The hose package included with the Lorch a-LTW / i-LTW 3000 KD features an integrated cold wire feed. Since the welding wire is fed automatically, you can use both hands to guide your torch.

### Ergonomic handle recess, size 1

Offering an optimised centre of gravity, the oval handle recess moulds perfectly to your hand, affording you much improved handling of your TIG torch. The contoured design of its sides prevents the torch from shifting and eliminates fatigue while you are welding as this special design provides for comfortable handling.

### Flexibility

The ball joint found at the handle and the resilient leather flex hose package guarantee superior freedom of movement and ease of use.

### Stability

The decreased distance between the controls of the TIG torch, which optimises the torch's centre of gravity, allows the operator to control the torch in a safe and reliable manner and to keep the arc steady while guiding along the torch.

### Safety

The elevated secondary current button reliably prevents any inadvertent operation of the UpDown button.

### Fast Connect System

The Fast Connect System feature of your TIG torch in combination with Lorch's TF-Pro and Lorch Feed ensures that the wires are threaded in easily and unwind in a reliable manner.

## Benefits

### **Ergonomics**

The unique design of the torch made it possible to reduce the distance between control button and arc. The resulting optimisation of the torch's centre of gravity and the reduced lever forces provide for significantly improved handling. What is more, the elevated secondary current is sure to avoid any unintended adjustments of the welding current and other parameters.

### **Integrated cold wire feed**

The automatic feed of the filler metal allows you to operate the torch with both hands. This feature affords you ultimate welding comfort and lets you work with utmost precision.

### **HeatProtect**

A heat sensor built into Lorch's i-LTW 3000 KD provides thermal protection and safeguards the high-quality electronic control system against overheating.

### **TorchProtect**

When activated in the welding machine, the optional TorchProtect automatically detects the connected Lorch i-LTW 3000 KD and prevents the torch from being subjected to a current that exceeds the maximum. This feature protects the torch against overload.

### **Equally comfortable for lefties**

A simple press and hold of the Mode button for seven seconds in the Powermaster variant of the Lorch i-LTW 3000 KD will switch the display to a view that is appropriate for left-handed users.

### **Powermaster control**

The Powermaster variant of our Lorch i-LTW 3000 KD lets you control such essential parameters as the settings of your welding jobs directly at the torch.

### **Tiptronic**

Using the Tiptronic facility, you simply save the ideal setting for each weld in the required sequence. The job memory makes it quick and easy to load up to 100 work values one after the other when you need them.

## Controlconcept

### **Double push button**

- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current



### UpDown

- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current
- Now including remote power source control



### Powermaster

- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current
- Now including remote power source control
- With integrated digital display of the welding current
- Including toggle feature for left and right-handed operators
- Mode button for toggling between amperage control and Tiptronic job mode
- Option to freely select two additional features



**Technical Data: TIG cold wire torches****a-LTG / i-LTG 2600 KD****a-LTW / i-LTW 3000 KD**

## Type of torch

type of cooling	gas-cooled	water-cooled
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## TIG

Load DC (in A)	180	320
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Load AC (in A)	130	230
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## Duty cycle

Duty cycle (in %)	35%	100%
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## Field of application

installable electrodes (in mm)	1,0-4,0	1,0-3,2
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## Torch equipment

Standard equipment for electrode:	2,4	2,4
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Handle recess	2	1
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Torch connection	5-pole Tuchel	5-pole Tuchel
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## Standards and approvals

standard	EN 60974-07	EN 60974-07
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