

# TIG Welding Torch "ABITIG® GRIP" liquid cooled

In the upper performance level ABITIG® GRIP 500 W is the ideal solution and exceeds the product portfolio of the ABITIG® GRIP torch series in an optimal way. High performance welding for all thick sheet TIG welding applications.

This powerful torch offers all known advantages of the ABITIG® GRIP torch series:

- Best arc characteristics and reliable gas coverage up to 500 A
- Ergonomic "GRIP" handles for a reliable grip and a perfect feel

- Modular switching and control functions in the handle – personalised and user-friendly
- Short ball joint provides maximum mobility, flexibility and ideal handling
- Excellent HF security
- Lightweight and flexible cable-hose assemblies with modular connectors to all standard TIG welding equipment at the machine end
- Optimised service life due to a significantly larger current and process temperature transfer area
- Reduced stocking requirements – just three spare parts



## ABITIG® GRIP 500 W

### Technical data (EN 60 974-7):

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	500 A DC 350 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6–6.4 mm

<sup>1</sup>Torch input pressure:  
Min. 2.5 bar (max. 3.5 bar);  
Min. flow rate: 0.7 l/min.

Technical data based on cable assembly lengths of up to 8.00 m.

### Torch complete

#### Type

ABITIG® GRIP 500 W

#### Cooling

liquid cooled

#### Part-No.

see comment<sup>2</sup>

### Torch body

#### Version

Standard; 79.0 mm

#### Part-No.

775.0041.1

<sup>2</sup> Due to the highly differing types of connections on the machine side we cannot list order numbers for complete torches. Please use the TIG torch overview for the order of complete torches – this you can find in the download area of our website [www.binzel-abicor.com](http://www.binzel-abicor.com).

# ABITIG® GRIP 500 W

## Wear parts

<b>Back cap (1 pc.)</b>	<b>Short</b> 775.0053.1	<b>Standard</b> 775.0051.1
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<b>Insulator (1 pc.)</b>	<b>Insulator</b> 775.0058.1
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<b>Electrode holder/ Gas diffuser (1 pc.)</b>	<b>Electrode holder</b> 58 mm	<b>Gas diffuser</b> 55 mm
Ø 1.6 mm	779.6044	779.6058
Ø 2.0 mm	779.6049	779.6063
Ø 2.4 mm	779.6045	779.6059
Ø 3.2 mm	779.6046	779.6060
Ø 4.0 mm	779.6047	779.6061
Ø 4.8 mm	779.6048	779.6062
Ø 6.4 mm	779.6050	779.6064

<b>Gas nozzle, ceramic (10 pcs.)</b>	<b>Short<sup>3</sup></b> 34 mm
Ø 24.0 mm	-

<b>Gas nozzle, ceramic (10 pcs.)</b>	<b>Standard</b> 50 mm
Ø 12.5 mm	778.1183
Ø 16.0 mm	778.1184
Ø 19.5 mm	778.1188

<sup>3</sup> Not suitable for high frequency.