

High performance TIG welding – **ABITIG® GRIP 500 W**

The tough power torch for extreme applications. Thanks to the high output the **ABITIG® GRIP 500 W** torch is perfectly suitable for all thick sheet TIG welding applications.



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 ¹
Rating:	500 A DC 350 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.6–6.4 mm

¹Torch 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	Cooling	Part-No.	Version	Torch body	Part-No.
ABITIG® GRIP 500 W	liquid cooled	see comment ²	Standard		775.0041.1

² 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.

ABITIG® GRIP 500 W

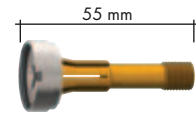
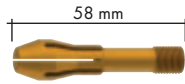
Wear parts



Back cap (1 pc.)	Short	Standard
	775.0053.1	775.0051.1



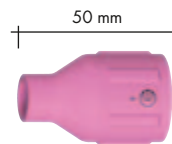
Insulator (1 pc.)	Insulator
	775.0058.1



Electrode holder/ Gas diffuser (1 pc.)	Electrode holder	Gas diffuser
	Ø 1.6 mm Ø 2.0 mm Ø 2.4 mm Ø 3.2 mm Ø 4.0 mm Ø 4.8 mm Ø 6.4 mm	779.6044 779.6049 779.6045 779.6046 779.6047 779.6048 779.6050



Gas nozzle, ceramic (10 pcs.)		Short³
Ø 24.0 mm	-	778.1189



Gas nozzle, ceramic (10 pcs.)	Standard
Ø 12.5 mm Ø 16.0 mm Ø 19.5 mm	778.1183 778.1184 778.1188

³ Not suitable for high frequency.



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