

# TIG Welding Torches "ABITIG® GRIP"

## air and liquid cooled

The ABITIG® GRIP line "ABICOR BINZEL-Style", air and liquid cooled, offer leading edge performance in a comfortable and light weight package. The cooling system guarantees long service life and enables the use of smaller tungsten electrodes through optimised heat dissipation.

The reduction in the quantity of consumables to only three components (back cap, electrode holder / gas diffuser and threaded gas nozzle) simplifies use and helps reduce stocking costs.

The innovative torch design prevents the heat from the gas nozzle reaching the torch body. This protects the torch, increases service life and further reduces operating costs.

The intelligent ABITIG® GRIP handle offers increased comfort due to the integration of numerous switching and control functions. Furthermore it is well protected against high frequency (HF) flashover.

- One ergonomic handle with "GRIP" for all ABITIG® GRIP torch types – offers high gripability and optimum feel
- Modular switching and control functions integrated into the handle – individually and ergonomically
- Short ball joint for optimum movement radius and ideal handling
- Light and flexible cable assemblies with modular machine-side connections for most available TIG welding power sources
- Reduced storage costs with only three consumable parts



### ABITIG® GRIP 150 / ABITIG® GRIP 150 F

#### Technical data (EN 60 974-7): (with gas nozzle 36 mm):

Type of cooling:	air cooled
Rating:	150 A DC 105 A AC
Duty cycle:	35%
Tungsten electrodes:	Ø 1.0–2.4 mm

### ABITIG® GRIP 260 W / ABITIG® GRIP 260 W SC

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

Type of cooling:	liquid cooled <sup>1</sup>
Rating:	260 A DC / 340 A DC 185 A AC / 240 A AC
Duty cycle:	100%
Tungsten electrodes:	Ø 1.0–3.2 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.

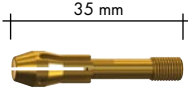
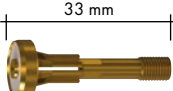
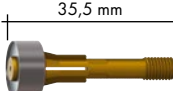
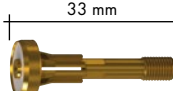
Torch complete			Torch body	
Type	Cooling	Part-No.	Version	Part-No.
ABITIG® GRIP 150	air cooled	see comment <sup>2</sup>	Standard; 60.0 mm	776.0010
ABITIG® GRIP 150 F	air cooled	see comment <sup>2</sup>	Flexible; 60.0 mm	776.0130
ABITIG® GRIP 260 W / SC	liquid cooled	see comment <sup>2</sup>	Standard; 60.0 mm	777.0010



<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 150, ABITIG® GRIP 260 W, ABITIG® GRIP 260 W SC





## Wear parts

			
<b>Back cap (10 pcs.)</b>	<b>Short</b>	<b>Medium</b>	<b>Long</b>
	776.0053	771.0051	772.0051.10

				
<b>Electrode holder / Gas diffuser (5 pcs.)</b>	<b>Electrode holder</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>	<b>Gas diffuser</b>
Ø 1.0 mm	776.0061	776.0171	777.0171.5	776.0171
Ø 1.6 mm	776.0062	776.0172	777.0172.5	776.0172
Ø 2.0 mm	776.0067	776.0177	777.0177.5	776.0177
Ø 2.4 mm	776.0063	776.0173	777.0173.5	776.0173
Ø 3.2 mm	776.0064	776.0174	777.0174.5	776.0174

		
	<b>Standard version</b>	<b>for gas diffuser</b>
	(10 pcs.)	(1 pc.)
Insulator	776.1043	776.0443
Adaptor ring	-	776.0441

		
<b>Gas diffuser 4 (1 pc.)</b>	<b>Standard</b>	<b>Multilayer</b>
Ø 1.6 mm	775.0122	775.0127.1
Ø 2.4 mm	775.0123	775.0128.1
Ø 3.2 mm	775.0124	775.0129.1

				
<b>Gas nozzle, ceramic (10 pcs.)</b>	<b>Standard version</b>	<b>Ball version</b>	<b>Standard version</b>	<b>For gas diffuser</b>
			x = 36 mm x = 60 mm	
Ø 6.5 mm	777.0081	770.0081.10	777.2171 777.2175	-
Ø 8.0 mm	777.0082	770.0082.10	777.2172 777.2176	-
Ø 9.5 mm	777.0083	770.0083.10	777.2173 -	-
Ø 11.0 mm	777.0084	770.0084.10	777.2174 -	-
Ø 12.5 mm	-	-	- -	778.1183
Ø 16.0 mm	-	-	- -	778.1184
Ø 19.5 mm	-	-	- -	778.1188
Ø 24.3 mm	-	-	- -	778.1189 <sup>3</sup>

<sup>3</sup> Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency.