

WELDING TORCHES BINZEL STYLE

TIG WELDING TORCHES **BINZEL STYLE**

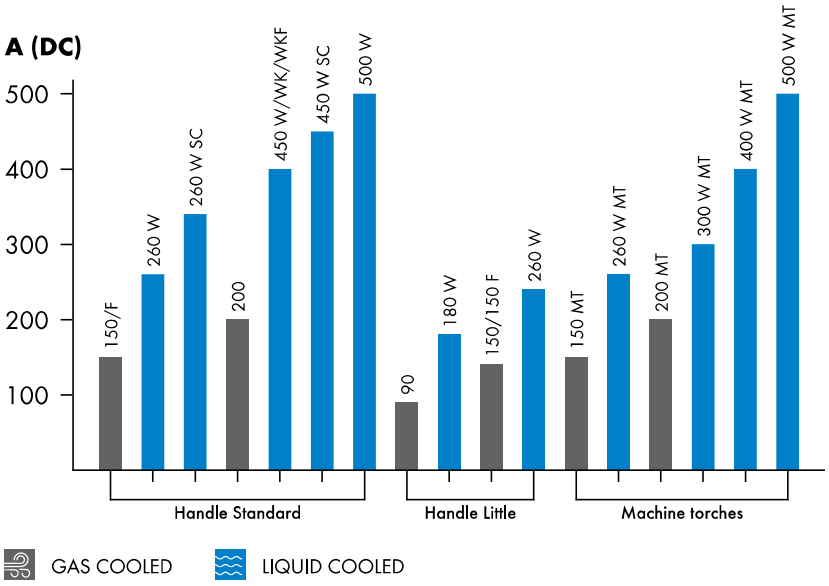
BINZEL style:
- ✓ **Optimized cooling concept**
- ✓ **Improved gas coverage**
- ✓ **Less wear parts**

Optimized cooling concept
All BINZEL style TIG welding torches score with improved heat dissipation, which significantly increases the service life. This is achieved by reducing the distance between the cooling system and the current-transmitting and therefore hot surface, the significantly larger cooling surface and a better coolant flow. Another advantage of this torch system is the improved current transfer due to the larger surface area.

Improved gas coverage
An optimized, unique design of the torch components guarantees ideal shielding gas coverage. The gas flow is virtually turbulence-free and enables outstanding welding results.

Less wear parts
All BINZEL style TIG torches have a reduced wear parts concept. The result for you is less parts for maintenance, faster replacement and lower storage costs.

Overview of rating ABITIG® welding torches BINZEL style



GAS COOLED LIQUID COOLED

- 2K handle with grip inlay and excellent ergonomics
- Excellent grip safety, including ultra-small handle design in the Little version
- Robust switching and control functions in the handle
- Ball joint for optimum range of movement and ideal handling
- Lightweight, flexible leather cable assemblies made from high flex leather (HFL)
- For all common TIG power sources
- Excellent HF safety

UP TO 500 A

Type	Cooling	DC	AC	Duty cycle	Tungsten electrodes Ø
ABITIG® GRIP 150 / 150 F	gas cooled	150 A	105 A	35 %	1.0–2.4 mm
ABITIG® GRIP 260 W	liquid cooled	240 A	185 A	100 %	1.0–3.2 mm
ABITIG® GRIP 260 W SC	liquid cooled	340 A	240 A	100 %	1.0–3.2 mm
ABITIG® GRIP 200	gas cooled	200 A	140 A	35 %	1.6–3.2 mm
ABITIG® GRIP 450 W / WK / WKF	liquid cooled	400 A	280 A	100 %	1.6–4.8 mm
ABITIG® GRIP 450 W SC	liquid cooled	450 A	320 A	100 %	1.6–4.8 mm
ABITIG® GRIP 500 W	liquid cooled	500 A	350 A	100 %	1.6–6.4 mm
ABITIG® GRIP Little 90	gas cooled	90 A	60 A	35 %	1.0–1.6 mm
ABITIG® GRIP Little 180 W	liquid cooled	180 A	130 A	100 %	1.0–3.2 mm
ABITIG® GRIP Little 150 / 150 F	gas cooled	140 A	100 A	35 %	1.0–2.4 mm
ABITIG® GRIP Little 260 W	liquid cooled	240 A	170 A	100 %	1.0–3.2 mm
ABITIG® 150 MT	gas cooled	150 A	110 A	60 %	1.0–3.2 mm
ABITIG® 260 W MT	liquid cooled	260 A	180 A	100 %	1.0–3.2 mm
ABITIG® 200 MT	gas cooled	200 A	140 A	60 %	1.6–4.0 mm
ABITIG® 300 W MT	liquid cooled	300 A	210 A	100 %	1.6–4.8 mm
ABITIG® 400 W MT	liquid cooled	400 A	280 A	100 %	1.6–4.8 mm
ABITIG® 500 W MT	liquid cooled	500 A	350 A	100 %	1.6–6.4 mm

Technical Data according to EN 60 974-7

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 150 / F ▪ ABITIG® GRIP 260 W / WF / W SC

All documents in one place: ABIDOC



ABITIG® GRIP 150

ABITIG® GRIP 260 W / SC

Special wear parts see page 158

ABITIG® GRIP 150

Rating:	150 A DC
	105 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	1.0–2.4 mm

ABITIG® GRIP 260 W & WF/SC

Rating:	240 / 340 A DC
	185 / 240 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	1.0–3.2 mm

The SC version (SC = Super Cooled) has a red hose coupling.



105-340 A

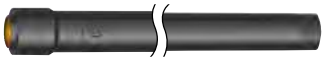
Description		Torch body	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 150	gas cooled	Standard – 60.0 mm	776.0010
ABITIG® GRIP 150 F	gas cooled	Flexible – 60.0 mm	776.0130
ABITIG® GRIP 260 W / SC	liquid cooled	Standard – 60.0 mm	777.0010
ABITIG® GRIP 260 WF	liquid cooled	Flexible – 60.0 mm	777.0026.1

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts

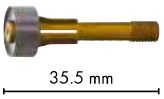




Back cap (10 pcs.)	Short	Medium	Long
	776.0053	771.0051	772.0051.10









Electrode holder / Gas diffuser (5 pcs.)	Electrode holder	Gas diffuser	Gas diffuser multilayer*	Gas diffuser
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

* Optimized design for improved gas coverage





Insulator / Adaptor ring	Standard version (10 pcs.)	for gas diffuser (1 pc.)
Insulator	776.1043	776.0443
Adaptor ring	–	776.0441




Gas diffuser 4 (1 pc.)	Standard	Multilayer
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









Gas nozzle, ceramic (10 pcs.)	Standard version	Ball version	Standard version		For gas diffuser
			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**

Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency

TIG WELDING TORCHES **ABITIG® GRIP A T/W T**

ABITIG® GRIP A T 150 ▪ ABITIG® GRIP W T 260 W

All documents in one place: ABIDOC



ABITIG® GRIP A T 150

Torches with rotatable and exchangeable torch necks



ABITIG® GRIP W T 260 W

105-260 A

Definition:
T = turnable/exchangeable torch neck

ABITIG® GRIP A T 150

Rating:	150 A DC
	105 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	1.0–2.4 mm

ABITIG® GRIP W T 260 W

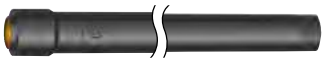
Rating:	260 A DC
	185 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	1.0–3.2 mm

Description			
Type	Cooling	Version	Part-No.
Torch neck ABITIG® A T 150	gas cooled	Standard – 60.0 mm	708.1003.1
Torch neck ABITIG® W T 260 W	liquid cooled	Standard – 60.0 mm	709.1004.1
Service kit ABITIG® A T (O-rings, grease etc.)	–	ABITIG® A T	708.0068.1
Service kit ABITIG® W T (O-rings, grease etc.)	–	ABITIG® W T	709.0033.1

Technical data according to EN 60 974-7
Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

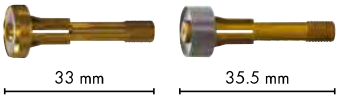
Wear parts





Back cap (10 pcs.)	Short	Medium	Long
	776.0053	771.0051	772.0051.10







Electrode holder / Gas diffuser (5 pcs.)	Electrode holder	Gas diffuser	Gas diffuser multilayer*	Gas diffuser
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

* Optimized design for improved gas coverage





Insulator / Adaptor ring	Standard version (10 pcs.)	for gas diffuser (1 pc.)
Insulator	776.1043	776.0443
Adaptor ring	–	776.0441




Gas diffuser 4 (1 pc.)	Standard	Multilayer
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









Gas nozzle, ceramic (10 pcs.)	Standard version	Ball version	Standard version		For gas diffuser
			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**

Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 200 ▪ ABITIG® GRIP 450 W/SC

All documents in one place: ABIDOC



ABITIG® GRIP 200

ABITIG® GRIP 450 W / WK / WKF / W SC

ABITIG® GRIP 200

Rating:	200 A DC
	140 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	1.6–3.2 mm

ABITIG® GRIP 450 W / WK / WKF

Rating:	420 A DC / 400 A DC
	300 A AC / 280 A AC
Duty cycle:	60 % / 100 %
Tungsten electrodes Ø:	1.6–4.8 mm

ABITIG® GRIP 450 W SC

Rating:	480 A DC / 450 A DC
	340 A AC / 320 A AC
Duty cycle:	60 % / 100 %
Tungsten electrodes Ø:	1.6–4.8 mm

The SC version (SC = Super Cooled) has a red hose coupling.



140–450 A

Description		**Torch body**	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 200	gas cooled	Standard – 80.0 mm	774.0010
ABITIG® GRIP 200 F	gas cooled	Flexible – 80.0 mm	774.0130
ABITIG® GRIP 200 K	gas cooled	Short – 60.0 mm	774.0230
ABITIG® GRIP 450 W / 450 W SC	liquid cooled	Standard – 80.0 mm	775.0010
ABITIG® GRIP 450 WK	liquid cooled	Short – 60.0 mm	775.0230
ABITIG® GRIP 450 WF	liquid cooled	Flexible – 80.0 mm	775.0238.1
ABITIG® GRIP 450 WKF	liquid cooled	Short, flexible – 60.0 mm	775.0233.1

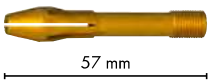
The torch bodies (standard and short) for ABITIG® 450 W SC are identical with those for ABITIG® 450 W. The complete torches differ only in terms of the layout of the cable assembly.
Technical data according to EN 60 974-7
Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

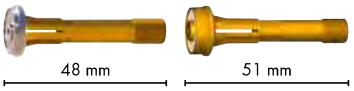
Wear parts

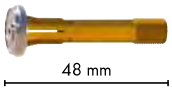




Back cap (10 pcs.)	Short (10 pcs.)	Medium (1 pc.)	Long (10 pcs.)
	773.0053	773.0055.1	773.0051







Electrode holder / Gas diffuser (5 pcs.)	Electrode holder	Gas diffuser	Gas diffuser Multilayer	Gas diffuser
Ø 1.6 mm	775.0062	773.0172	773.0112.5	773.0172
Ø 2.0 mm	775.0067	773.0177	–	773.0177
Ø 2.4 mm	775.0063	773.0173	773.0113	773.0173
Ø 3.2 mm	775.0064	773.0174	773.0114	773.0174
Ø 4.0 mm	775.0065	773.0175	–	773.0175
Ø 4.8 mm	775.0066	773.0176	–	773.0176

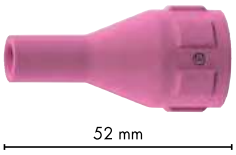



Insulator	Standard version (10 pcs.)	For gas diffuser (1 pc.)
	775.1043	775.1143




Gas diffuser 4 (1 pc.)	Standard	Multilayer
Ø 1.6 mm	775.0122	775.0127.1
Ø 2.4 mm	775.0123	775.0128.1
Ø 3.2 mm	775.0124	775.0128.1
Ø 4.0 mm	775.0125	775.0130.1
Ø 4.8 mm	775.0126	–







Gas nozzle, ceramic (10 pcs.)	Standard version		Standard version	For gas diffuser
	x = 26 mm	x = 37 mm		
Ø 7.5 mm	–	775.0081	775.2171	–
Ø 10.0 mm	775.0152*	775.0082	775.2172	–
Ø 12.5 mm	–	–	–	778.1183
Ø 13.0 mm	775.0153*	775.0083	775.2173	–
Ø 13.0 mm (boosted)	–	775.0183	–	–
Ø 15.0 mm	–	775.0084	775.2174	–
Ø 15.0 mm (boosted)	–	775.0184	–	–
Ø 16.0 mm	–	–	–	778.1184
Ø 19.5 mm	–	–	–	778.1188
Ø 24.3 mm	–	–	–	778.1189**

*Only in combination with gas diffuser 48 mm (773.0172–773.0177) ▪ **Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency.

TIG WELDING TORCHES **ABITIG® GRIP A T/W T**

ABITIG® GRIP A T 200 ▪ ABITIG® GRIP W T 450 W

All documents in one place: ABIDOC



ABITIG® GRIP A T 200

ABITIG® GRIP W T 450 W

Torches with rotatable and exchangeable torch necks

130–400 A

Definition:
T = turnable/exchangeable torch neck

ABITIG® GRIP A T 200

Rating:	180 A DC
	130 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	1.6–3.2 mm

ABITIG® GRIP W T 450 W

Rating:	400 A DC
	280 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	1.6–4.8 mm

Description			
Type	Cooling	Version	Part-No.
Torch neck ABITIG® A T 200	gas cooled	Standard – 80.0 mm	708.2003.1
Torch neck ABITIG® W T 450 W	liquid cooled	Standard – 80.0 mm	709.2001.1
Service kit ABITIG® A T (O-rings, grease etc.)	–	ABITIG® A T	708.0068.1
Service kit ABITIG® W T (O-rings, grease etc.)	–	ABITIG® W T	708.0033.1

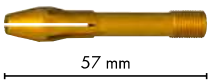
Technical data according to EN 60 974-7
Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

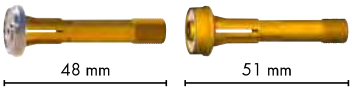
Wear parts

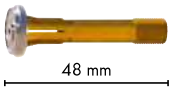




Back cap (10 pcs.)	Short (10 pcs.)	Medium (1 pc.)	Long (10 pcs.)
	773.0053	773.0055.1	773.0051







Electrode holder / Gas diffuser (5 pcs.)	Electrode holder	Gas diffuser	Gas diffuser Multilayer	Gas diffuser
Ø 1.6 mm	775.0062	773.0172	773.0112.5	773.0172
Ø 2.0 mm	775.0067	773.0177	–	773.0177
Ø 2.4 mm	775.0063	773.0173	773.0113	773.0173
Ø 3.2 mm	775.0064	773.0174	773.0114	773.0174
Ø 4.0 mm	775.0065	773.0175	–	773.0175
Ø 4.8 mm	775.0066	773.0176	–	773.0176




Insulator	Standard version (10 pcs.)	For gas diffuser (1 pc.)
	775.1043	775.1143




Gas diffuser 4 (1 pc.)	Standard	Multilayer
Ø 1.6 mm	775.0122	775.0127.1
Ø 2.4 mm	775.0123	775.0128.1
Ø 3.2 mm	775.0124	775.0128.1
Ø 4.0 mm	775.0125	775.0130.1
Ø 4.8 mm	775.0126	–







Gas nozzle, ceramic (10 pcs.)	Standard version		Standard version	For gas diffuser
	x = 26 mm	x = 37 mm		
Ø 7.5 mm	–	775.0081	775.2171	–
Ø 10.0 mm	775.0152*	775.0082	775.2172	–
Ø 12.5 mm	–	–	–	778.1183
Ø 13.0 mm	775.0153*	775.0083	775.2173	–
Ø 13.0 mm (boosted)	–	775.0183	–	–
Ø 15.0 mm	–	775.0084	775.2174	–
Ø 15.0 mm (boosted)	–	775.0184	–	–
Ø 16.0 mm	–	–	–	778.1184
Ø 19.5 mm	–	–	–	778.1188
Ø 24.3 mm	–	–	–	778.1189**

*Only in combination with gas diffuser 48 mm (773.0172–773.0177) ▪ **Without figure: cylindrical form, length 34.0 mm; not suitable for high frequency.

TIG WELDING TORCH **ABITIG® GRIP**

ABITIG® GRIP 500 W

All documents in one place: ABIDOC



ABITIG® GRIP 500 W

Special wear parts see page 158

350–500 A

ABITIG® GRIP 500 W

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

Description		Torch body	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 500 W	liquid cooled	Standard – 79.0 mm	775.0041.1

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts



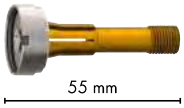


Back cap (1 pc.)	Short	Standard
	775.0053.1	775.0051.1



Insulator (1 pc.)	
	775.0058.1





Electrode holder / Gas diffuser (1 pc.)	Electrode holder	Gas diffuser
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



Gas nozzle, ceramic (10 pcs.)	Standard
Ø 12.5 mm	778.1183
Ø 16.0 mm	778.1184
Ø 19.5 mm	778.1188
Ø 24.0 mm	–



Gas nozzle, ceramic (10 pcs.)		Short
Ø 12.5 mm	–	–
Ø 16.0 mm	–	–
Ø 19.5 mm	–	–
Ø 24.0 mm	–	778.1189*

*Not suitable for high frequency



WELDING TORCHES STANDARD STYLE

TIG WELDING TORCHES **STANDARD STYLE**

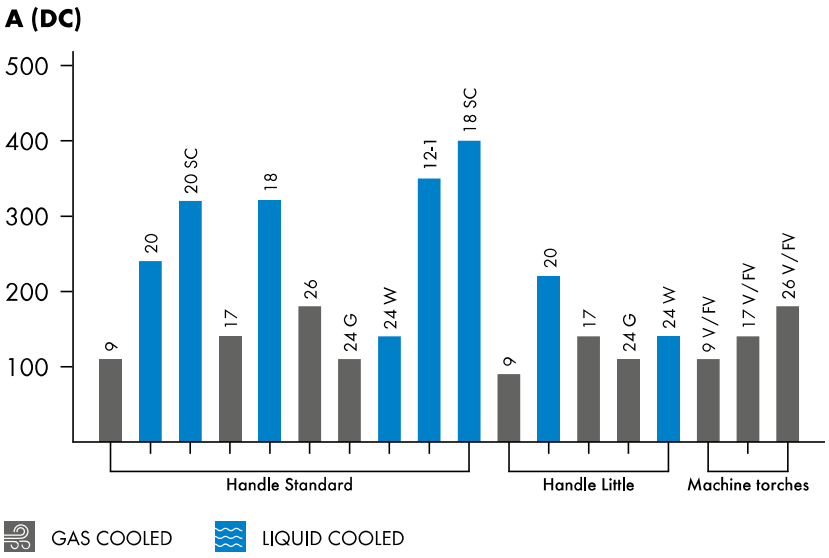
Standard style:
- ✓ **International standard wear part system**
- ✓ **Various configurations**
- ✓ **Proven ABICOR BINZEL quality**

International standard wear part system
The wear part system corresponds to the standard concept and ensures that wear parts are available for these welding torches anywhere in the world. This gives you a high degree of flexibility when using "Standard style" TIG welding torches.

Various configurations
The cable assemblies are modular and can be equipped with all the necessary machine-side connections.

Proven ABICOR BINZEL quality
The well-known torch quality of the original manufacturer guarantees comfortable handling, low-strain welding and very good welding results.

Overview of rating ABITIG® welding torches "Standard style"



- 2K handle with grip inlay and excellent ergonomics
- Excellent grip safety, including ultra-small handle design in the Little version
- Robust switching and control functions in the handle
- Ball joint for optimum range of movement and ideal handling
- Lightweight, flexible leather cable assemblies made from high flex leather (HFL)
- For all common TIG power sources
- Excellent HF safety

UP TO 500 A

Type	Cooling	DC	AC	Duty cycle	Tungsten electrodes Ø
ABITIG® GRIP 9	gas cooled	110 A	80 A	35 %	0.5 – 1.6 mm
ABITIG® GRIP 20	liquid cooled	240 A	170 A	100 %	0.5 – 3.2 mm
ABITIG® GRIP 20 SC	liquid cooled	320 A	220 A	100 %	0.5 – 3.2 mm
ABITIG® GRIP 17	gas cooled	140 A	110 A	35 %	0.5 – 2.4 mm
ABITIG® GRIP 18	liquid cooled	320 A	230 A	100 %	0.5 – 4.0 mm
ABITIG® GRIP 26	gas cooled	180 A	130 A	35 %	0.5 – 4.0 mm
ABITIG® GRIP 24 G	gas cooled	110 A	80 A	35 %	0.5 – 1.6 mm
ABITIG® GRIP 24 W	liquid cooled	140 A	100 A	100 %	0.5 – 2.4 mm
ABITIG® GRIP 12-1	liquid cooled	350 A	250 A	100 %	1.6 – 4.0 mm
ABITIG® GRIP 18 SC	liquid cooled	400 A	280 A	100 %	0.5 – 4.8 mm
ABITIG® GRIP Little 9	gas cooled	110 A	80 A	35 %	0.5 – 1.6 mm
ABITIG® GRIP Little 20	liquid cooled	220 A	150 A	100 %	0.5 – 3.2 mm
ABITIG® GRIP Little 17	gas cooled	140 A	100 A	35 %	0.5 – 2.4 mm
ABITIG® GRIP Little 24 G	gas cooled	110 A	80 A	35 %	0.5 – 1.6 mm
ABITIG® GRIP Little 24 W	liquid cooled	140 A	100 A	100 %	0.5 – 2.4 mm
ABITIG® 9 V/FV	gas cooled	110 A	80 A	35 %	0.5 – 1.6 mm
ABITIG® 17 V/FV	gas cooled	140 A	100 A	35 %	0.5 – 2.4 mm
ABITIG® 26 V/FV	gas cooled	180 A	130 A	35 %	0.5 – 4.0 mm

Technical data according to EN 60 974-7

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 9 ▪ ABITIG® GRIP 20 / 20 SC

All documents in one place: ABIDOC



ABITIG® GRIP 9

ABITIG® GRIP 20/20 SC

Special wear parts see page 156

ABITIG® GRIP 9

Rating:	110 A DC
	80 A AC
Duty cycle:	35 %
Tungsten Electrodes Ø:	0.5–1.6 mm

ABITIG® GRIP 20/20 SC

Rating:	240 A DC / 320 A DC
	170 A AC / 220 A AC
Duty cycle:	100 %
Tungsten Electrodes Ø:	0.5–3.2 mm

80–240 A

The SC version (SC = Super Cooled) has a red hose coupling.



Description		Torch body	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 9	gas cooled	Standard – 46.0 mm	712.5020
ABITIG® GRIP 9 F	gas cooled	Flexible – 46.0 mm	712.5030
ABITIG® GRIP 20/20 SC	liquid cooled	Standard – 46.0 mm	712.3020
ABITIG® GRIP 20 F	liquid cooled	Flexible – 46.0 mm	712.3030
ABITIG® GRIP 20 F	liquid cooled	Flexible – 75.0 mm	712.3040.1
ABITIG® GRIP 20 F	liquid cooled	Flexible – 110.0 mm	712.3050.1

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts





Back cap (10 pcs.)	Short	Medium	Long
	701.0240/41V33	701.0244/41V35	701.0247/41V24



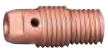
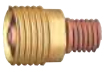




Collet (10 pcs.)	Standard version	Brass version	Jumbo version
Ø 0.5 mm	701.0249/13N20	–	701.1225/13N20L
Ø 1.0 mm	701.0250/13N21	701.1061	701.1226/13N21L
Ø 1.2 mm	701.0254/–	–	–
Ø 1.6 mm	701.0251/13N22	701.1019	701.1227/13N22L
Ø 2.0 mm	701.0255/–	–	–
Ø 2.4 mm	701.0252/13N23	701.1020	701.1228/13N23L
Ø 3.2 mm	701.0253/13N24	701.1063	701.1229/13N24L




Insulating ring/Adaptor	Insulating ring (10 pcs.)	Adaptor (5 pcs.)
	702.0055/598882	701.1234/54N63-20


Collet body (10 pcs.)	Standard version	Standard version with gas lens	Jumbo version with gas lens
Ø 0.5–1.0 mm	701.0275/13N26	701.0301/45V42	701.1230/45V0204S
Ø 1.2 mm	701.0279/–	701.0313/–	–
Ø 1.6 mm	701.0276/13N27	701.0307/45V43	701.1231/45V116S
Ø 2.0 mm	701.0280/–	701.0315/–	–
Ø 2.4 mm	701.0277/13N28	701.0309/45V44	701.1232/45V64S
Ø 3.2 mm	701.0278/13N29	701.0311/45V45	701.1233/995795S







Gas nozzle, ceramic (10 pcs.)		Standard version	Standard version for gas lens	Jumbo version for gas lens
No. 4	Ø 6.5 mm	701.0281/13N08	701.0317/53N58	–
No. 5	Ø 8.0 mm	701.0282/13N09	701.0318/53N59	–
No. 6	Ø 9.5 mm	701.0283/13N10	701.0319/53N60	701.1199/57N75
No. 7	Ø 11.0 mm	701.0284/13N11	701.0320/53N61	–
No. 8	Ø 12.5 mm	701.0285/13N12	701.0322/53N61S	701.1200/57N74
No. 10	Ø 16.0 mm	701.0286/13N13	–	701.1201/53N88
No. 12	–	–	–	701.1121/53N87

Gas nozzle, ceramic (10 pcs.)	Version			X1	Part-No.
	Standard	Gr. 4	Ø 6.5 mm	48 mm	701.0289/796F71
	Standard	Gr. 5	Ø 8.0 mm	48 mm	701.0290/796F72
	Standard	Gr. 6	Ø 9.5 mm	48 mm	701.0291/796F73
	Standard	Gr. 4	Ø 6.5 mm	63 mm	701.0293/796F75
	Standard	Gr. 5	Ø 8.0 mm	63 mm	701.0294/796F76
	Standard	Gr. 4	Ø 6.5 mm	89 mm	701.0296/796F79

Gas nozzle, ceramic (10 pcs.)	Version		Length	Part-No.
	Jumbo version for gas lens*	Ø 24.0 mm	48 mm	701.1202/53N89

*not suitable for high frequency

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 17 ▪ ABITIG® GRIP 18 ▪ ABITIG® GRIP 26

All documents in one place: ABIDOC



Further wear parts see page 157

100–320 A

ABITIG® GRIP 17

Rating:	140 A DC
	100 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	0.5–2.4 mm

ABITIG® GRIP 18

Rating:	320 A DC
	230 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	0.5–4.0 mm

ABITIG® GRIP 26

Rating:	180 A DC
	130 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	0.5–4.0 mm

Description		**Torch body**	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 17	gas cooled	Standard – 65.0 mm	712.1020
ABITIG® GRIP 17 F	gas cooled	Flexible – 65.0 mm	712.1030
ABITIG® GRIP 18	liquid cooled	Standard – 69.0 mm	712.2020
ABITIG® GRIP 18 F	liquid cooled	Flexible – 69.0 mm	712.2030
ABITIG® GRIP 18 K	liquid cooled	Short – 59.0 mm	712.2230
ABITIG® GRIP 26	gas cooled	Standard – 79.0 mm	712.4020
ABITIG® GRIP 26 F	gas cooled	Flexible – 79.0 mm	712.4030
ABITIG® GRIP 26 K	gas cooled	Short – 59.0 mm	712.4230

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts





Back cap (10 pcs.)	Short	Long
	712.1053	712.1051





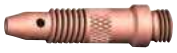
Collet (10 pcs.)	Version 50 mm	Version 52 mm
Ø 0.5 mm	702.0005/10N21	701.0169/10N21D
Ø 1.0 mm	702.0006/10N22	701.0171/10N22D
Ø 1.2 mm	702.0007/-	701.0170/-
Ø 1.6 mm	702.0008/10N23	701.0172/10N23D
Ø 2.0 mm	702.0012/-	701.0176/-
Ø 2.4 mm	702.0009/10N24	701.0173/10N24D
Ø 3.2 mm	702.0010/10N25	701.0174/10N25D
Ø 4.0 mm	702.0011/54N20	701.0175/54N20D

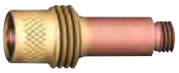






Insulating ring/Adaptor	Insulating ring (10 pcs.)	Adaptor (10 pcs.)	Adaptor (5 pcs.)
	703.0012/18CG	701.0130/54N01	701.1122/54N63







Collet body (10 pcs.)	Standard version	Standard version with gas lens	JumboVersion with gas lens
Ø 0.5–1.2 mm	701.0190/10N30	701.0201/45V24	-
Ø 1.6 mm	701.0191/10N31	701.0203/45V25	701.1116/45V116
Ø 2.0 mm	701.0196/10N32	701.0207/45V26	-
Ø 2.4 mm	701.0196/10N32	701.0207/45V26	701.1117/45V64
Ø 3.2 mm	701.0197/10N28	701.0209/45V27	701.1118/995795
Ø 4.0 mm	701.0198/406488	701.0211/45V28	701.1208/45V63







Gas nozzle, ceramic (10 pcs.)		Standard version	Standard version for gas lens	Jumbo version for gas lens
No. 4	Ø 6.5 mm	701.0107/10N50	701.0420/54N18	-
No. 5	Ø 8.0 mm	701.0108/10N49	701.0421/54N17	-
No. 6	Ø 9.5 mm	701.0109/10N48	701.0422/54N16	701.1199/57N75
No. 7	Ø 11.0 mm	701.0110/10N47	701.0423/54N15	-
No. 8	Ø 12.5 mm	701.0111/10N46	701.0424/54N14	701.1200/57N74
No. 10	Ø 16.0 mm	701.0113/10N45	-	701.1201/53N88
No. 12	Ø 19.5 mm	701.0114/10N44*	701.0426/54N19	701.1121/53N87







Gas nozzle, ceramic (10 pcs.)		Standard version	Standard version for gas lens	Jumbo version for gas lens
No. 5	Ø 8.0 mm	701.0115/10N49L	701.0427/54N17L	-
No. 6	Ø 9.5 mm	701.0116/10N48L	701.0428/54N16L	-
No. 7	Ø 11.0 mm	701.0117/10N47L	701.0429/54N15L	-
	Ø 24.0 mm	-	-	701.1202/53N89

*Length 50 mm ▪ **not suitable for high frequency

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 24 G ▪ ABITIG® GRIP 24 W

All documents in one place: ABIDOC



ABITIG® GRIP 24 G

ABITIG® GRIP 24 W

80–140 A

ABITIG® GRIP 24 G

Rating:	110 A DC
	80 A AC
Duty cycle:	35 %
Tungsten electrodes Ø:	0.5–1.6 mm

ABITIG® GRIP 24 W

Rating:	140 A DC
	100 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	0.5–2.4 mm

Description		**Torch body**	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 24 G	gas cooled	Standard – 55.0 mm	712.7020
ABITIG® GRIP 24 W	liquid cooled	Standard – 55.0 mm	712.7120

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts





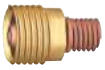
Insulating sleeve / Insulator (10 pcs.)	Insulating sleeve	Insulator for gas lens
	701.0458 / 53N22	701.0459 / 53N66





Collet (10 pcs.)	Standard version	Standard version for gas lens
Ø 0.5 mm	–	–
Ø 1.0 mm	701.0453 / 53N16	701.0462 / 53N63
Ø 1.2 mm	701.0455 / –	–
Ø 1.6 mm	701.0454 / 53N14	701.0463 / 53N64
Ø 2.0 mm	701.0456 / –	701.0466 / –
Ø 2.4 mm	701.0457 / 24C332	701.0465 / 24GLC332





Collet body (10 pcs.)	Standard version	Standard version with gas lens
Ø 0.5 mm	–	701.0301 / 45V41
Ø 1.0 mm	701.0480 / 53N18	701.0301 / 45V42
Ø 1.2 mm	701.0483 / –	701.0313 / –
Ø 1.6 mm	701.0481 / 53N19	701.0307 / 45V43
Ø 2.0 mm	701.0484 / –	701.0315 / –
Ø 2.4 mm	701.0482 / 24CB332	701.0309 / 45V44





Gas nozzle, ceramic (10 pcs.)			Standard version	Standard version for gas lens
No. 4	Ø 6.5 mm		701.0468 / 53N24	701.0317 / 53N58
No. 5	Ø 8.0 mm		701.0469 / 53N25	701.0318 / 53N59
No. 6	Ø 9.5 mm		701.0470 / 53N27	701.0319 / 53N60
No. 7	Ø 11.0 mm		–	701.0320 / 53N61



Gas nozzle, ceramic (10 pcs.)		X1	Standard version	
No. 4L	Ø 6.5 mm	29.0 mm	701.0471 / 53N28	–
No. 6L	Ø 9.5 mm	29.0 mm	701.0472 / 53N26	–
No. 4L	Ø 6.5 mm	62.5 mm	701.0473 / 53N24L	–
No. 5L	Ø 8.0 mm	91.5 mm	701.0474 / 53N27L	–

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 12-1

All documents in one place: ABIDOC



ABITIG® GRIP 12-1

250–350 A

ABITIG® GRIP 12-1

Rating:	350 A DC
	250 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	1.6–4.0 mm

Description		Torch body	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 12-1	liquid cooled	Standard – 55.0 mm	712.0020

Technical data according to EN 60 974-7

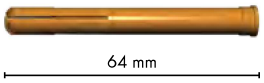
Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts





Back cap (10 pcs.)	Short	Long
	712.0053	712.0051

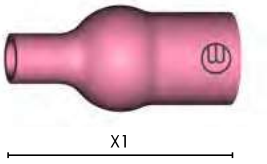


Collet (10 pcs.)	Standard version
Ø 1.6 mm	712.0062
Ø 2.4 mm	712.0063
Ø 3.2 mm	712.0064
Ø 4.0 mm	712.0065

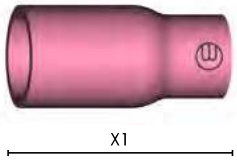




Collet body (10 pcs.)	Standard version	Standard version with gas lens
Ø 1.6 mm	712.0072	712.0101
Ø 2.4 mm	712.0073	712.0102
Ø 3.2 mm	712.0074	712.0103
Ø 4.0 mm	712.0075	712.0104



Gas nozzle, ceramic (10 pcs.)		X1	Standard version
No. 4	Ø 6.5 mm	43 mm	704.0046/130.00
No. 5	Ø 8.0 mm	43 mm	704.0047/131.00
No. 6	Ø 9.5 mm	43 mm	704.0048/132.00
No. 7	Ø 11.0 mm	43 mm	704.0049/133.00
No. 8	Ø 12.5 mm	43 mm	704.0050/134.00
No. 9	Ø 14.5 mm	43 mm	704.0051/135.00
No. 10	Ø 16.0 mm	43 mm	704.0052/136.00



Gas nozzle, ceramic (10 pcs.)		X1	Standard version
No. 11	Ø 17.5 mm	44 mm	704.0053/137.00

TIG WELDING TORCHES **ABITIG® GRIP**

ABITIG® GRIP 18 SC

All documents in one place: ABIDOC



ABITIG® GRIP 18 SC

280–400 A

The SC version (SC = Super Cooled) has a red hose coupling.



ABITIG® GRIP 18 SC

Rating:	400 A DC
	280 A AC
Duty cycle:	100 %
Tungsten electrodes Ø:	0.5–4.8 mm

Description		Torch body	
Type	Cooling	Version	Part-No.
ABITIG® GRIP 18 SC	liquid cooled	Standard – 75.0 mm	712.6020

Technical data according to EN 60 974-7

Due to the different connection variants on the machine side, it is not possible to list part numbers for complete torches. Please contact our sales department.

Wear parts





Back cap (10 pcs.)	Short	Long
	712.1053	712.1051



50 mm



49 mm

Collet (10 pcs.)	Standard version	HL version*
Ø 0.5 mm	702.0005/10N21	–
Ø 1.0 mm	702.0006/10N22	–
Ø 1.6 mm	702.0008/10N23	–
Ø 2.4 mm	702.0009/10N24	–
Ø 3.2 mm	702.0010/10N25	712.6064/10N25HD
Ø 4.0 mm	–	712.6065/54N20HD



Insulating ring (5 pcs.)	Insulating ring
	712.6043/18NG







Collet body (10 pcs.)	Standard version	Standard version with gas lens	HL version*
Ø 0.5 mm	–	–	–
Ø 1.0 mm	–	712.6100/18GL04	–
Ø 1.6 mm	–	712.6101/18GL16	–
Ø 2.4 mm	–	712.6102/18GL32	–
Ø 3.2 mm	–	712.6103/18GL18	–
Ø 4.0 mm	–	712.6104/18GL53	–
Ø 4.8 mm	–	712.6105/18GL36	–
Ø 0.5–3.2 mm	712.6074/NCB-53	–	–



42 mm



76 mm

Gas nozzle, ceramic (10 pcs.)		Standard version	Standard version
No. 4	Ø 6.5 mm	701.0420/54N18	–
No. 5	Ø 8.0 mm	701.0421/54N17	701.0427/54N17L
No. 6	Ø 9.5 mm	701.0422/54N16	701.0428/54N16L
No. 7	Ø 11.0 mm	701.0423/54N15	701.0429/54N15L
No. 8	Ø 12.5 mm	701.0424/54N14	–
No. 12	Ø 19.5 mm	701.0426/54N19	–

*Please note: HL = Heavy duty version