

MIG/MAG



Product Catalogue 2.0 / V1



Content

MIG/MAG Welding Torches

- MIG/MAG Welding Torches "MB GRIP" air cooled (up to 230 A) Page 04-05
MB GRIP 15 AK / 25 AK

- MIG/MAG Welding Torches "MB GRIP" air cooled (up to 320 A) Page 06-07
MB GRIP 24 KD / 26 KD / 36 KD

- MIG/MAG Welding Torches "MB GRIP" liquid cooled (up to 550 A) Page 08-09
MB GRIP 240 D / 401 D / 401 / 501 D / 501

- MIG/MAG Welding Torches "ABIMIG® GRIP" air cooled (up to 270 A) Page 10-11
ABIMIG® GRIP A 155 / 255

- MIG/MAG Welding Torches "ABIMIG® GRIP" air cooled (up to 430 A) Page 12-13
ABIMIG® GRIP A 305 / 355 / 405

- MIG/MAG Welding Torches "ABIMIG® GRIP" liquid cooled (up to 575 A) Page 14-15
ABIMIG® GRIP W 555 D / 555

- MIG/MAG Welding Torches "ABIMIG® GRIP" liquid cooled (up to 625 A) Page 16-17
ABIMIG® GRIP W 605 / 605 D / 605 C

- MIG/MAG Welding Torches "ABIMIG®" liquid cooled (up to 600 A) Page 18-19
ABIMIG® 452 W / 452 D W / 645 W

- MIG/MAG Welding Torches Push-Pull "PP" air and liquid cooled (up to 350 A) Page 20-21
PP 24 D / 36 D / 240 D / 401 D

- MIG/MAG Fume Extraction Torches "RAB Plus" air and liquid cooled (up to 550 A) Page 22-23
RAB Plus 15 AK / 24 KD / 25 AK / 36 KD / 240 D / 501 D / 501

- MIG/MAG Machine Welding Torches air and liquid cooled Page 24-25
AUT / ABIMIG® MT

Spare Parts

- Bikox, Control Cables, Hoses, Handles, Modules and Liners Page 26-29

Central adaptor and central connector system

- The universal connection ... Page 30-33

Central adaptor with spring contacts

- Flexible contact ... Page 34

MIG/MAG Welding Torches "MB GRIP" air cooled

Rating 150 A up to 230 A

The MIG/MAG Torch series "MB GRIP" in air and liquid cooled variants is the finest solution of its kind. It combines progressive technology and quality with optimum ergonomics, enabling trouble-free operation for every application.

"GRIP" insert and ball joint in the handle guarantee high grip safety as well as optimal handling. All torches are carefully designed to provide comfortable and precise operation.

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extreme conditions
- Ball joint with optimal movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- BIKOX® R air cooled torches – high flexibility even at low temperatures, extremely UV resistant, considerably increased temperature resistance and tensile strength
- Time-saving torch change-over due to the ABICOR BINZEL central connector



MB GRIP 15 AK

Technical data (EN 60 974-7):

Rating: 180 A CO₂
150 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.6–1.0 mm

MB GRIP 25 AK

Technical data (EN 60 974-7):

Rating: 230 A CO₂
200 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

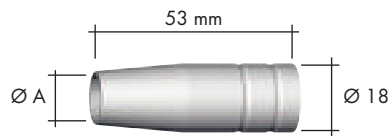
Wire size: 0.8–1.2 mm

Torch complete Type	Handle Type MB	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 15 AK	Type MB	002.0604	002.0605	002.0606	50°	002.0009
MB GRIP 25 AK	Type MB	004.0510	004.0511	004.0512	50°	004.0012

MB GRIP 15, MB GRIP 25

Wear parts

MB GRIP 15 AK

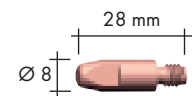
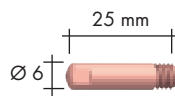


MB GRIP 25 AK



Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 16	145.0041	Ø 18	145.0042
Conical	Ø 12	145.0075	Ø 15	145.0076
Conical	Ø 9.5	145.0123	Ø 11.5	145.0124



Contact tip (10 pcs.)

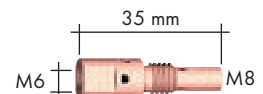
		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059	140.0051
	Ø 1.0	140.0253	140.0242
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382

Nozzle spring (20 pcs.)



	002.0058	003.0013
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Gas nozzle holder / Contact tip holder



M6	002.0078	142.0001 (10 pcs.)
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Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2
Insulated liner	Ø 0.6	124.0011	124.0011	124.0012	124.0012	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015
	Ø 0.8	124.0011	124.0011	124.0012	124.0012	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015	124.0015
	Ø 1.0	124.0026	124.0026	124.0031	124.0031	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035
	Ø 1.2	124.0026	124.0026	124.0031	124.0031	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035	124.0035
PTFE liner	Ø 0.6	126.0005	126.0005	126.0008	126.0008	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011
	Ø 0.8	126.0005	126.0005	126.0008	126.0008	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011	126.0011
	Ø 1.0	126.0021	126.0021	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028
	Ø 1.2	126.0021	126.0021	126.0026	126.0026	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028	126.0028
Carbon PTFE liner	Ø 0.6	127.0002	127.0002	127.0003	127.0003	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004
	Ø 0.8	127.0002	127.0002	127.0003	127.0003	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004	127.0004
	Ø 1.0	127.0005	127.0005	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008
	Ø 1.2	127.0005	127.0005	127.0007	127.0007	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008	127.0008



MIG/MAG Welding Torches "MB GRIP" air cooled

Rating 220 A up to 320 A

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extreme conditions
- Ball joint with optimal movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- BIKOX® R air cooled torches – high flexibility even at low temperatures, extremely UV resistant, considerably increased temperature resistance and tensile strength
- Time-saving torch change-over due to the ABICOR BINZEL central connector



MB GRIP 24 KD

Technical data (EN 60 974-7):

Rating: 250 A CO₂
220 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

MB GRIP 26 KD

Technical data (EN 60 974-7):

Rating: 270 A CO₂
240 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 60%

Wire size: 0.8-1.2 mm

MB GRIP 36 KD

Technical data (EN 60 974-7):

Rating: 320 A CO₂
290 A Mixed Gases
M21 (DIN EN 439)

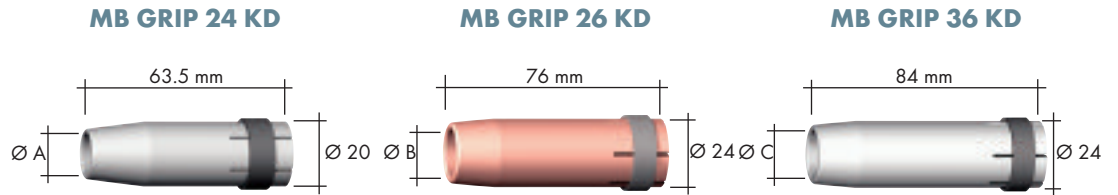
Duty cycle: 60%

Wire size: 0.8-1.2 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 24 KD	Type MB	012.0251	012.0252	012.0253	50°	012.0001
MB GRIP 26 KD	Type MB	018.0146	018.0147	018.0148	50°	018.0001
MB GRIP 36 KD	Type MB	014.0334	014.0335	014.0336	50°	014.0006

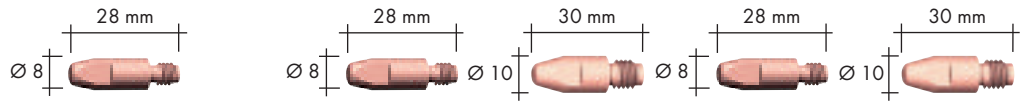
MB GRIP 24, MB GRIP 26, MB GRIP 36

Wear parts



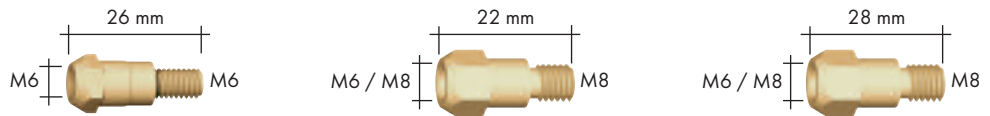
Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 19	145.0045
Conical	Ø 12.5	145.0080	Ø 16	145.0085	Ø 16	145.0078
Conical	Ø 10	145.0128	Ø 14	145.0132	Ø 12	145.0126



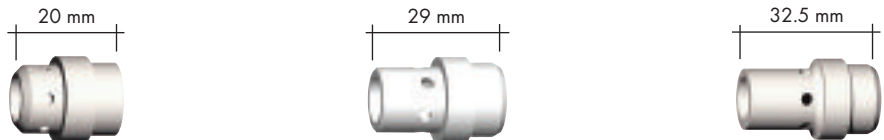
Contact tip (10 pcs.)

		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445



Contact tip holder (10 pcs.)

M6	142.0003	142.0007	142.0005
M8	-	142.0082	142.0020



Gas diffuser (10 pcs.)

Standard	012.0183	018.0116	014.0261
Long life	-	-	014.0026
Ceramic	-	018.0141	014.0023

Liner		for 3 m	for 4 m	for 5 m
Insulated liner	Ø 0.8	124.0011	124.0012	124.0015
	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008

MIG/MAG Welding Torches "MB GRIP" liquid cooled

Rating 270 A up to 550 A

- Ergonomic short handle with "GRIP" insert – for best accessibility
- "GRIP", soft components on the handle and thumb rest – positive handling even in extreme conditions
- Ball joint with optimal movement radius – perfect handling
- Optimum cooling of the torch – extending torch life
- Time-saving torch change-over due to the ABICOR BINZEL central connector
- Ergonomically and technically proven and 100% reliable



MB GRIP 240 D*

Technical data (EN 60 974-7):

Rating: 300 A CO₂
270 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

MB GRIP 401 D* / MB GRIP 401*

Technical data (EN 60 974-7):

Rating: 400 A / 450 A CO₂
350 A / 400 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 0.8-1.2 mm

MB GRIP 501 D* / MB GRIP 501*

Technical data (EN 60 974-7):

Rating: 500 A / 550 A CO₂
450 A / 500 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0-1.6 mm

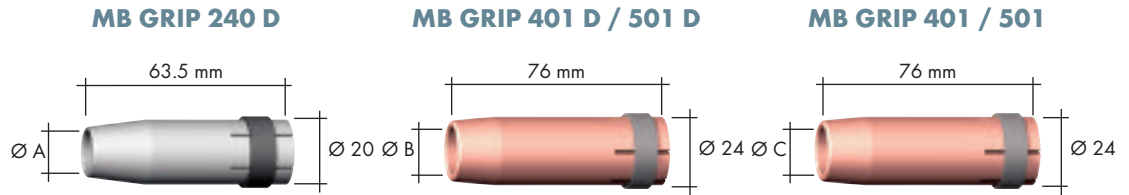
* Note:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
MB GRIP 240 D	Type MB	023.0225	023.0226	023.0227	50°	023.0228
MB GRIP 401 D	Type MB	033.0271	033.0272	033.0273	50°	033.0277
MB GRIP 401	Type MB	030.0205	030.0206	030.0207	50°	030.0208
MB GRIP 501 D	Type MB	034.0492	034.0493	034.0494	50°	034.0496
MB GRIP 501	Type MB	032.0231	032.0232	032.0233	50°	032.0234

MB GRIP 240, MB GRIP 401 / 501

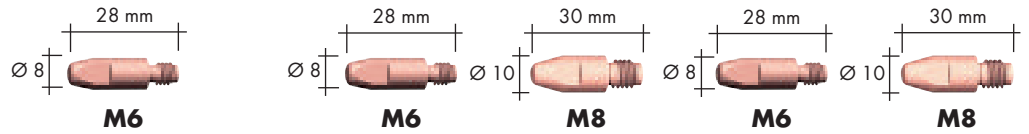
Wear parts



Gas nozzle (10 pcs.)

	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 12.5	145.0080	Ø 16	145.0085	Ø 16	145.0085
Conical	Ø 10	145.0128	Ø 14	145.0132	Ø 14	145.0132

Contact tip (10 pcs.)



		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
	Ø 1.6	-	140.0555	140.0587	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	141.0020	141.0022	141.0020	141.0022
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445
	Ø 1.6	-	140.0558	140.0590	140.0558	140.0590

Contact tip holder (10 pcs.)



M6	142.0003	142.0008	-
M8	-	142.0022	-

Gas diffuser (10 pcs.)



Standard	012.0183	030.0145	030.0145
Long life	-	030.0037	030.0037
Ceramic	-	030.0190	030.0190

Liner		for 3 m			for 4 m			for 5 m					
		Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 1.6
Liner	Ø 0.8	122.0005	122.0007	122.0009									
	Ø 1.0	122.0031	122.0036	122.0039									
	Ø 1.2	122.0031	122.0036	122.0039									
	Ø 1.6	122.0056	122.0060	122.0063									
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011									
	Ø 1.0	126.0021	126.0026	126.0028									
	Ø 1.2	126.0021	126.0026	126.0028									
	Ø 1.6	126.0039	126.0042	126.0045									
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004									
	Ø 1.0	127.0005	127.0007	127.0004									
	Ø 1.2	127.0005	127.0007	127.0008									
	Ø 1.6	127.0010	127.0012	127.0013									

MIG/MAG Welding Torches "ABIMIG® GRIP A"

air cooled • Rating 170 A up to 270 A

MIG/MAG Welding Torches ABIMIG® GRIP A air cooled with the innovative 2 component handle system "GRIP", combine ergonomics and feel with all common module variations (for switch and control functions) as well as "switch on top" solutions. "GRIP" insert and ball joint in the handle guarantee secure grip and optimal handling.

The torches of the ABIMIG® GRIP A series utilize the new developed Low Weight Bikox®, which gives perfect balance to the torches for effortless welding in all positions.

All torches are carefully designed to provide comfortable and precise operation.

- Low Weight Bikox® – up to 50% weight saving
- Ergonomic short handle with "GRIP" soft components on the handle, thumb rest and ball joint – guarantees optimal handling in all positions
- Screw-on gas nozzle with thermoprotective insulation – extending torch life
- Function integrated tip holder (gas diffusor, gas nozzle holder and contact tip holder in one piece) – reduces stock requirements
- Laminar gas feed – excellent gas coverage for best welding results
- Changeable gas nozzle seat – "extends" operating cycle of the torch neck and reduces maintenance costs
- Electrically insulated liner and connection nut (on the central adaptor) – enables exact setting of the arc parameters and therefore repeatability of welding results



ABIMIG® GRIP A 155 LW

Technical data (EN 60 974-7):

Rating: 240 A / 190 A CO₂
 220 A / 170 A Mixed Gases
 M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.6-1.0 mm

ABIMIG® GRIP A 255 LW

Technical data (EN 60 974-7):

Rating: 270 A / 240 A CO₂
 240 A / 210 A Mixed Gases
 M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.8-1.2 mm

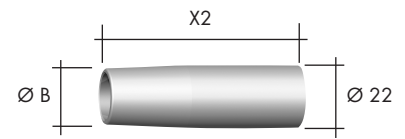
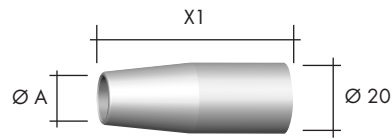
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP A 155 LW	Type MB	767.D600.1	767.D601.1	767.D602.1	45°	767.D603.1
ABIMIG® GRIP A 255 LW	Type MB	767.D630.1	767.D631.1	767.D632.1	45°	767.D633.1

ABIMIG® GRIP A 155, ABIMIG® GRIP A 255

Wear parts

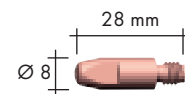
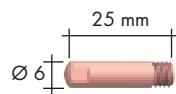
ABIMIG® GRIP A 155

ABIMIG® GRIP A 255



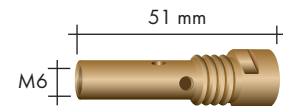
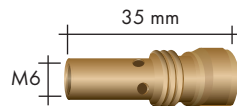
Gas nozzle (5 pcs.)

	Ø A	X1		Ø B	X2	
Cylindrical	Ø 17	52 mm	145.D003	Ø 18	69 mm	145.D014
Conical	Ø 12	52 mm	145.D001	Ø 16	70 mm	145.D011
Conical	Ø 12	54 mm	145.D004	Ø 14	67 mm	145.D012



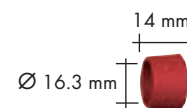
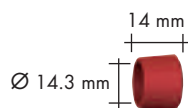
Contact tip (10 pcs.)

		M6	M6
E-Cu	Ø 0.6	140.0008	-
	Ø 0.8	140.0059	140.0051
	Ø 1.0	140.0253	140.0242
	Ø 1.2	-	140.0379
E-Cu for Al	Ø 0.8	141.0002	141.0001
	Ø 1.0	141.0007	141.0006
	Ø 1.2	-	141.0010
CuCrZr	Ø 0.6	140.0855	-
	Ø 0.8	140.0062	140.0054
	Ø 1.0	140.0256	140.0245
	Ø 1.2	-	140.0382



Contact tip holder (5 pcs.)

	006.D719.5	004.D624.5
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Adapter piece (5 pcs.)

	767.D607.5	767.D637.5
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Liner	for 3 m				for 4 m				for 5 m									
	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2						
Liner	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	124.0011	124.0011	124.0026	124.0026	124.0012	124.0012	124.0031	124.0031	124.0015	124.0015	124.0035	124.0035		
	PTFE liner	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	126.0005	126.0005	126.0021	126.0021	126.0008	126.0008	126.0026	126.0026	126.0011	126.0011	126.0028	126.0028	
		Carbon PTFE liner	Ø 0.6	Ø 0.8	Ø 1.0	Ø 1.2	127.0002	127.0002	127.0005	127.0005	127.0003	127.0003	127.0007	127.0007	127.0004	127.0004	127.0008	127.0008

MIG/MAG Welding Torches "ABIMIG® GRIP A"

air cooled • Rating 240 A up to 430 A

- Low Weight Bikox® – up to 50% weight saving
- Ergonomic short handle with "GRIP" soft components on the handle, thumb rest and ball joint – guarantees optimal handling in all positions
- Screw-on gas nozzle with thermoprotective insulation – extending torch life
- Function integrated tip holder (gas diffuser, gas nozzle holder and contact tip holder in one piece) – reduces stock requirements
- Laminar gas feed – excellent gas coverage for best welding results
- Changeable gas nozzle seat – "extends" operating cycle of the torch neck and reduces maintenance costs
- Electrically insulated liner and connection nut (on the central adaptor) – enables exact setting of the arc parameters and therefore repeatability of welding results

Additionally for ABIMIG® GRIP A 405 LW:

- BIKOX® with large flow cross-section – guarantees gas coverage
- Specially designed steel liner – guarantees optimal and constant wire feeding



ABIMIG® GRIP A 305 LW

Technical data (EN 60 974-7):

Rating: 315 A / 270 A CO₂
300 A / 240 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 0.8–1.2 mm

ABIMIG® GRIP A 355 LW

Technical data (EN 60 974-7):

Rating: 350 A / 300 A CO₂
320 A / 270 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 1.0–1.6 mm

ABIMIG® GRIP A 405 LW

Technical data (EN 60 974-7):

Rating: 430 A / 370 A CO₂
350 A / 300 A Mixed Gases
M21 (DIN EN 439)

Duty cycle: 35% / 60%

Wire size: 1.0–1.6 mm

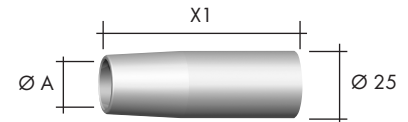
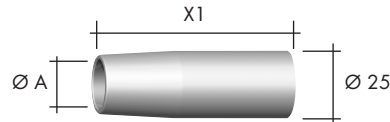
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP A 305 LW	Type MB	767.D660.1	767.D661.1	767.D662.1	45°	767.D663.1
ABIMIG® GRIP A 355 LW	Type MB	767.D690.1	767.D691.1	767.D692.1	45°	767.D693.1
ABIMIG® GRIP A 405 LW	Type S	767.D720.1	767.D721.1	767.D722.1	45°	767.D723.1

ABIMIG® GRIP A 305, ABIMIG® GRIP A 355, ABIMIG® GRIP A 405

Swan neck

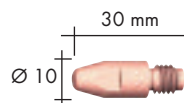
ABIMIG® GRIP A 305 ABIMIG® GRIP A 355

ABIMIG® GRIP A 405



Gas nozzle (5 pcs.)

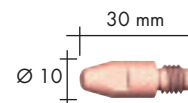
	Ø A	X1		Ø A	X1	
Cylindrical	Ø 21	72 mm	145.D024	Ø 21	72 mm	145.D024
Conical	Ø 18	72 mm	145.D021	Ø 18	72 mm	145.D021
Conical	Ø 16	69 mm	145.D022	Ø 16	69 mm	145.D022



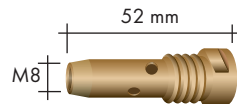
M8

Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0114		-
	Ø 1.0	140.0313		140.0313
	Ø 1.2	140.0442		140.0442
	Ø 1.6	140.0587		140.0587
E-Cu for Al	Ø 0.8	141.0003		141.0003
	Ø 1.0	141.0008		141.0008
	Ø 1.2	141.0015		141.0015
	Ø 1.6	141.0022		141.0022
CuCrZr	Ø 0.8	140.0117		140.0117
	Ø 1.0	140.0316		140.0316
	Ø 1.2	140.0445		140.0445
	Ø 1.6	140.0590		140.0590

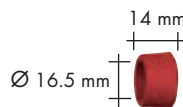
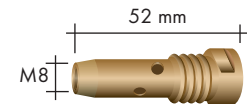


M8



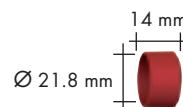
Contact tip holder (5 pcs.)

M8	014.D745.5	014.D745.5
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Adapter piece (5 pcs.)

	767.D668.5	767.D729.5
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Liner	Ø	305 / 355	405	305 / 355	405	305 / 355	405
		for 3 m	for 3 m	for 4 m	for 4 m	for 5 m	for 5 m
Liner	Ø 0.8	124.0011	-	124.0012	-	124.0015	-
	Ø 1.0	124.0026	124.D113	124.0031	124.D114	124.0035	124.D115
	Ø 1.2	124.0026	124.D116	124.0031	124.D117	124.0035	124.D118
	Ø 1.6	124.0041	124.D119	124.0042	124.D120	124.0044	124.D121
PTFE liner	Ø 0.8	126.0005	-	126.0008	-	126.0011	-
	Ø 1.0	126.0021	-	126.0026	-	126.0028	-
	Ø 1.2	126.0021	-	126.0026	-	126.0028	-
	Ø 1.6	126.0039	-	126.0042	-	126.0045	-
Carbon PTFE liner	Ø 0.8	127.0002	-	127.0003	-	127.0004	-
	Ø 1.0	127.0005	-	127.0007	-	127.0008	-
	Ø 1.2	127.0005	-	127.0007	-	127.0008	-
	Ø 1.6	127.0010	-	127.0012	-	127.0013	-



MIG/MAG Welding Torches "ABIMIG® GRIP W"

liquid cooled • Rating 400 A up to 575 A

MIG/MAG Welding Torches ABIMIG® GRIP W liquid cooled with the innovative 2-component handle system "GRIP" combine ergonomics and feel with all common module variations (for switch and control functions) as well as "switch on top" solutions. "GRIP" insert and ball joint in the handle guarantee secure grip and optimal handling.

The liquid cooled ABIMIG® GRIP W torches particularly excel in impulse welding due to an optimized dual-circuit cooling system that ensures "extra-cool" wear parts and therefore extended service life.

All torches are thoroughly designed to provide comfortable and precise operation.

- Dual-circuit cooling system with increased cooling liquid flow and novel heat dissipation for optimal power and heat conduction – guarantees less spatter adhesion and therefore extremely extended service life of wear and spare parts
- Additional torch neck protection through a UV-, ozone- and temperature-resistant protective cover – for longer torch service life
- The newly developed torch neck and handle system ABIMIG® GRIP with ball joint guarantees optimal balance – even for welding tasks when access is difficult
- Except the tip holder, all spare and wear parts of the ABIMIG® GRIP W 555-series are compatible with the torch series MB 401/501 – reduced storage
- Mechanically highly resilient and robust tip holder (optionally soldered or changeable) – long service life



ABIMIG® GRIP W 555 D

Technical data (EN 60 974-7):

Rating:	550 A CO ₂
	500 A Mixed Gases
	400 A Pulse
	M21 (DIN EN 439)
Duty cycle:	100%
Wire size:	0.8–1.6 mm

ABIMIG® GRIP W 555

Technical data (EN 60 974-7):

Rating:	575 A CO ₂
	525 A Mixed Gases
	400 A Pulse
	M21 (DIN EN 439)
Duty cycle:	100%
Wire size:	0.8–1.6 mm

*** Note:**

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

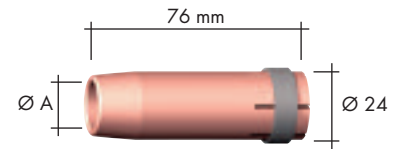
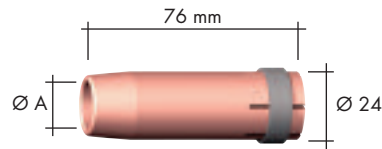
Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® GRIP W 555 D	Type S	766.0526.1	766.0527.1	766.0528.1	50°	766.0532.1
ABIMIG® GRIP W 555	Type S	766.0529.1	766.0530.1	766.0531.1	50°	766.0533.1

ABIMIG® GRIP W 555 D, ABIMIG® GRIP W 555

Wear parts

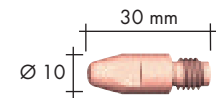
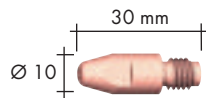
ABIMIG® GRIP W 555 D

ABIMIG® GRIP W 555



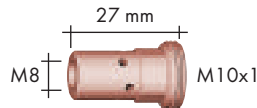
Gas nozzle (10 pcs.)

	Ø A		Ø A	
Cylindrical	Ø 20	145.0051	Ø 20	145.0051
Conical	Ø 16	145.0085	Ø 16	145.0085
Conical	Ø 14	145.0132	Ø 14	145.0132



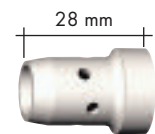
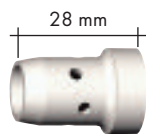
Contact tip (10 pcs.)

		M8	M8
E-Cu	Ø 0.8	140.0114	140.0114
	Ø 1.0	140.0313	140.0313
	Ø 1.2	140.0442	140.0442
	Ø 1.6	140.0587	140.0587
E-Cu for Al	Ø 0.8	141.0003	141.0003
	Ø 1.0	141.0008	141.0008
	Ø 1.2	141.0015	141.0015
	Ø 1.6	141.0022	141.0022
CuCrZr	Ø 0.8	140.0117	140.0117
	Ø 1.0	140.0316	140.0316
	Ø 1.2	140.0445	140.0445
	Ø 1.6	140.0590	140.0590



Contact tip holder

M8	142.0201.10	-
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Gas diffuser (5 pcs.)

Standard	030.0145	030.0145
Long life	030.0037	030.0037
Ceramic	030.0190	030.0190

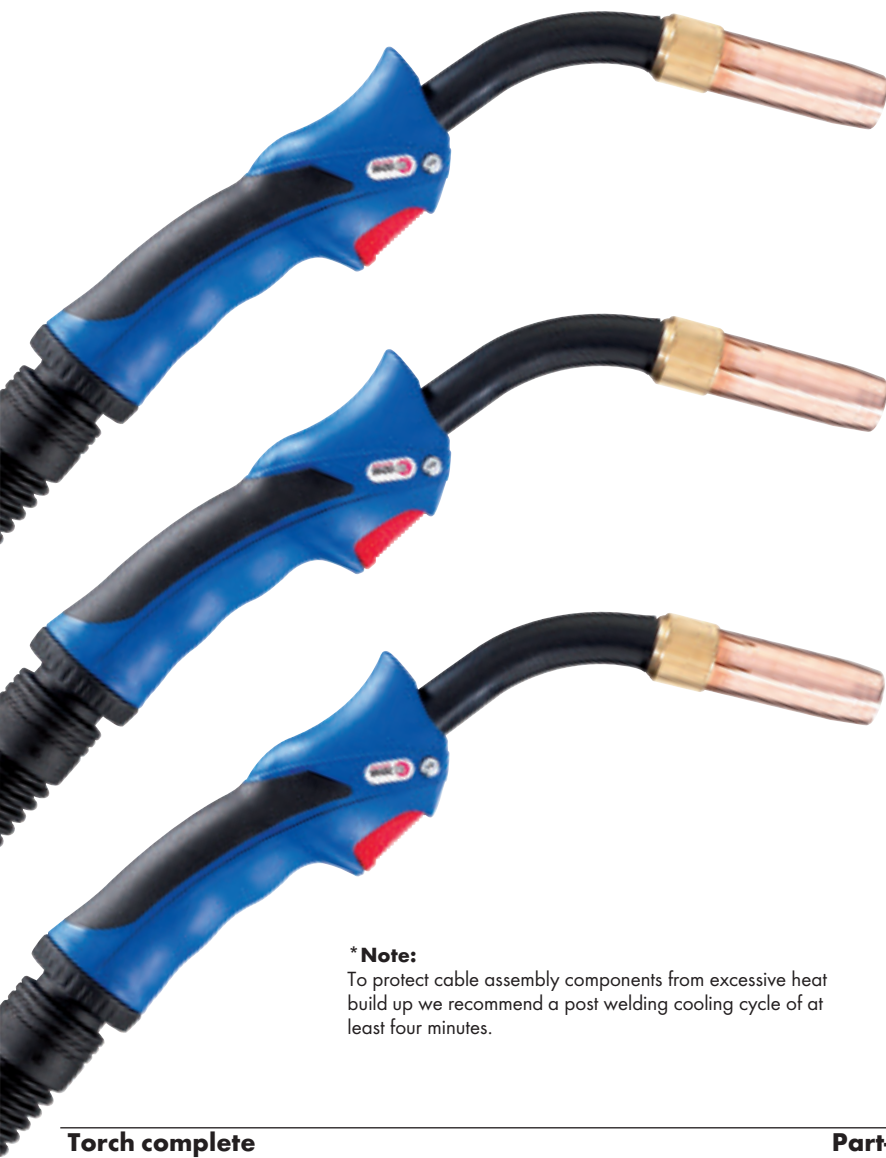


Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 0.8	124.0011	124.0012	124.0015
	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0042
PTFE liner	Ø 0.8	126.0005	126.0008	126.0011
	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045
Carbon PTFE liner	Ø 0.8	127.0002	127.0003	127.0004
	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013

MIG/MAG Welding Torches "ABIMIG® GRIP W"

liquid cooled • Rating 450 A up to 625 A

- Dual-circuit cooling system with increased cooling liquid flow and novel heat dissipation for optimal power and heat conduction – guarantees less spatter adhesion and therefore extremely extended service life of wear and spare parts
- Additional torch neck protection through a UV-, ozone- and temperature-resistant protective cover – for longer torch service life
- The newly developed torch neck and handle system ABIMIG® GRIP with ball joint guarantees optimal balance – even for welding tasks when access is difficult
- Specially designed spare and wear parts for the high-performance application range – excellent results especially in pulse arc welding
- Gas nozzle with innovative "plug-screw connection" – optimal fixing and heat dissipation
- Swan neck can be delivered in three versions – with soldered or changeable tip holder M10 as well as with collet body version for push-fit "click" contact tip



ABIMIG® GRIP W 605

Technical data (EN 60 974-7):

Rating: 625 A CO₂
 575 A Mixed Gases
 450 A Pulse
 M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

ABIMIG® GRIP W 605 D

Technical data (EN 60 974-7):

Rating: 600 A CO₂
 550 A Mixed Gases
 450 A Pulse
 M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

ABIMIG® GRIP W 605 C

Technical data (EN 60 974-7):

Rating: 600 A CO₂
 550 A Mixed Gases
 450 A Pulse
 M21 (DIN EN 439)

Duty cycle: 100%

Wire size: 1.0–1.6 mm

*** Note:**

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	3 m	Part-No.			Swan neck	
			4 m	5 m	Type	Part-No.	
ABIMIG® GRIP W 605	Type S	766.0537.1	766.0538.1	766.0539.1	50°	766.0541.1	
ABIMIG® GRIP W 605 D	Type S	766.0534.1	766.0535.1	766.0536.1	50°	766.0540.1	
ABIMIG® GRIP W 605 C	Type S	766.0543.1	766.0544.1	766.0545.1	50°	766.0542.1	

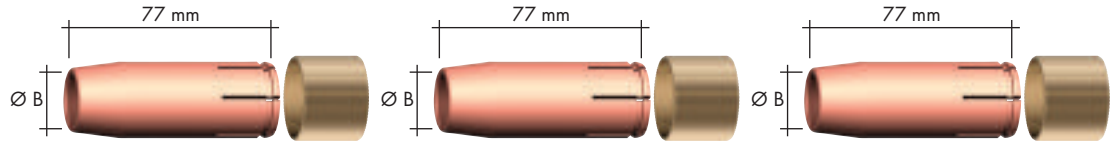
ABIMIG® GRIP W 605, ABIMIG® GRIP W 605 D, ABIMIG® GRIP W 605 C

Wear parts

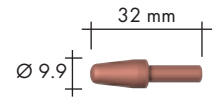
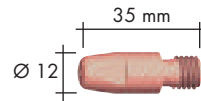
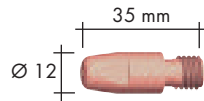
ABIMIG® GRIP W 605

ABIMIG® GRIP W 605 D

ABIMIG® GRIP W 605 C

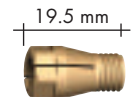
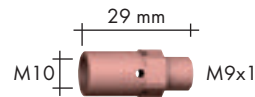


Gas nozzle (10 pcs.)	Ø B		Ø B		Ø B	
Cylindrical	Ø 20	145.0678.10	Ø 20	145.0678.10	Ø 20	145.0678.10
Conical	Ø 17	145.0669	Ø 17	145.0669	Ø 17	145.0669
Gas nozzle adapter		766.1070		766.1070		766.1070

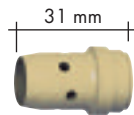
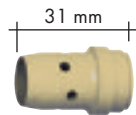


Contact tip (10 pcs.)		M10	M10	
E-Cu	Ø 1.0	140.1542.10	140.1542.10	-
	Ø 1.2	140.1543.10	140.1543.10	-
	Ø 1.6	140.1544.10	140.1544.10	-
CuCrZr	Ø 1.0	140.0348	140.0348	140.1318
	Ø 1.2	140.0481	140.0481	140.1319
	Ø 1.6	140.0616	140.0616	140.1321

Contact tip holder / Collet body (10 pcs.)



Contact tip holder M10	-	142.0202.10	-
Collet body	-	-	766.1051



Gas diffuser (10 pcs.)

Long Life (Standard)	766.0518	766.0518	766.0518
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Liner		for 3 m	for 4 m	for 5 m
Liner	Ø 1.0	124.0026	124.0031	124.0035
	Ø 1.2	124.0026	124.0031	124.0035
	Ø 1.6	124.0041	124.0042	124.0044
PTFE liner	Ø 1.0	126.0021	126.0026	126.0028
	Ø 1.2	126.0021	126.0026	126.0028
	Ø 1.6	126.0039	126.0042	126.0045
Carbon liner	Ø 1.0	127.0005	127.0007	127.0008
	Ø 1.2	127.0005	127.0007	127.0008
	Ø 1.6	127.0010	127.0012	127.0013

MIG/MAG Welding Torches "ABIMIG®" liquid cooled

Rating 300 A up to 600 A

The tried and tested MIG/MAG Welding Torches ABIMIG® liquid cooled cover the rating spectrum up to 600 A. The handle concept ABIMIG® makes it possible to integrate all common switch and control functions.

- Dual cooling circuit for optimized torch cooling – extended service life of wear and spare parts
- Welding applications up to 600 A – excellent welding results for pulse applications
- Technically proven – 100% reliable

- Standard MB wear parts for ABIMIG® 452 – reduced stocking costs
- Split gas nozzle as well as optimally cooled gas nozzle seat on ABIMIG® 645 guarantee best possible welding results even in high performance applications
- Time-saving torch change-over due to the ABICOR BINZEL central connector



*** Note:**

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

ABIMIG® 452 D W*

Technical data (EN 60 974-7):

Rating: 450 A DC
300 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

Wire size: 0.8–1.6 mm

ABIMIG® 452 W*

Technical data (EN 60 974-7):

Rating: 500 A DC
325 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

Wire size: 0.8–1.6 mm

ABIMIG® 645 W*

Technical data (EN 60 974-7):

Rating: 600 A DC
450 A Pulse
Mixed Gases M21
(DIN EN 439)

Duty cycle: 100%

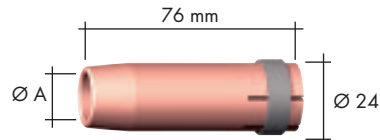
Wire size: 0.8–1.6 mm

Torch complete Type	Handle	Part-No.			Swan neck	
		3 m	4 m	5 m	Type	Part-No.
ABIMIG® 452 D W	Type AM	766.0400	766.0401	766.0402	50°	766.0350
ABIMIG® 452 W	Type AM	766.0412	766.0413	766.0414	50°	766.0390
ABIMIG® 645 W	Type AM	766.0406	766.0407	766.0408	50°	766.0370

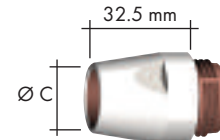
ABIMIG® 452, ABIMIG® 645

Wear parts

ABIMIG® 452 D W ABIMIG® 452 W

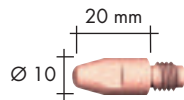


ABIMIG® 645 W

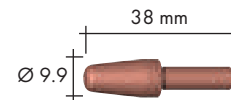


Gas nozzle (10 pcs.)

	Ø A		Ø B	
Cylindrical	Ø 20	145.0051	Ø 19	766.1075 (1 pc.)
Conical	Ø 16	145.0085	Ø 16	766.1074 (1 pc.)
Conical	Ø 14	145.0132	-	-

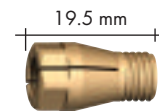
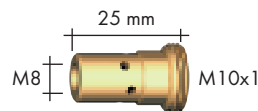


M8



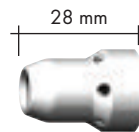
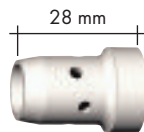
Contact tip (10 pcs.)

E-Cu	Ø 0.8	140.0114	-
	Ø 1.0	140.0313	-
	Ø 1.2	140.0442	-
	Ø 1.6	140.0587	-
E-Cu for Al	Ø 0.8	141.0003	-
	Ø 1.0	141.0008	-
	Ø 1.2	141.0015	-
	Ø 1.6	141.0022	-
CuCrZr	Ø 0.8	140.0117	140.1310
	Ø 1.0	140.0316	140.1312
	Ø 1.2	140.0445	140.1313
	Ø 1.6	140.0590	140.1315



Contact tip holder / Collet chuck (10 pcs.)

Contact tip holder M8	142.0022 (only for version D)	-
Collet chuck	-	766.1051



Gas diffuser (10 pcs.)

Standard	030.0145	766.1095
Long life	030.0037	766.1078
Ceramic	030.0190	766.1135
Ceramic L / Adapter	-	-

Liner	for 3 m				for 4 m				for 5 m			
	Ø				Ø				Ø			
Liner	Ø 0.8		124.0137		124.0138				124.0139			
	Ø 1.0		124.0111		124.0112				124.0113			
	Ø 1.2		124.0111		124.0112				124.0113			
	Ø 1.6		124.0114		124.0115				124.0116			
PTFE liner	Ø 0.8		126.0005		126.0008				126.0011			
	Ø 1.0		126.0021		126.0026				126.0028			
	Ø 1.2		126.0021		126.0026				126.0028			
	Ø 1.6		126.0039		126.0042				126.0045			
Carbon PTFE liner	Ø 0.8		127.0002		127.0003				127.0004			
	Ø 1.0		127.0005		127.0007				127.0008			
	Ø 1.2		127.0005		127.0007				127.0008			
	Ø 1.6		127.0010		127.0012				127.0013			



MIG/MAG Welding Torches Push-Pull "PP" air and liquid cooled

Push-Pull Welding Torches "PP" guarantee constant and problem free wire feeding. Push-Pull torches are ideally suited for hard-to-feed wire like aluminium, thin wire and for long cable assemblies. Due to their reliability the torches have become the industry standard in shipbuilding, container and tank manufacture and are also used extensively in the construction of automobiles and railway vehicles. All torches correspond in their construction to the well established MB style Welding Torches.



*** Note for liquid cooled torches:**

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO ₂	Mixed Gases M21		
PP 24 D	air	250 A	220 A	35	0.8-1.0
PP 36 D	air	300 A	270 A	60	0.8-1.2
PP 240 D	liquid*	270 A	240 A	100	0.8-1.2
PP 401 D	liquid*	350 A	320 A	100	0.8-1.6

Torch complete Type	Part-No. 8 m	Part-No. Swan neck
PP 24 D straight, motor 42 V	082.0011	082.0001
PP 24 D 45° bent, motor 42 V	082.0014	012.0194
PP 36 D straight, motor 42 V	083.0014	081.0002
PP 36 D 45° bent, motor 42 V	083.0017	014.0095
PP 240 D straight, motor 42 V	092.0018	092.0007
PP 240 D 45° bent, motor 42 V	092.0019	092.0001
PP 401 D straight, motor 42 V	091.0043	091.0002
PP 401 D 45° bent, motor 42 V	091.0044	091.0001

Note:

Also available with 24 V motor. If requested, the torch can be delivered with a potentiometer mounted in the handle.

PP 24, PP 36, PP 240, PP 401

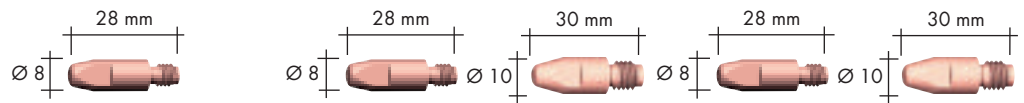
Wear parts



Gas nozzle (10 pcs.)

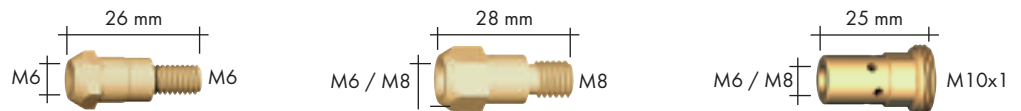
	Ø A		Ø B		Ø C	
Cylindrical	Ø 17	145.0047	Ø 19	145.0045	Ø 20	145.0051
Conical	Ø 12.5	145.0080	Ø 16	145.0078	Ø 16	145.0085
Conical	Ø 10	145.0128	Ø 12	145.0126	Ø 14	145.0132

Contact tip (10 pcs.)



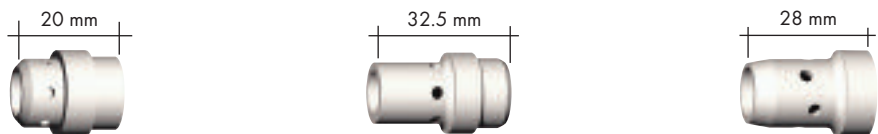
		M6	M6	M8	M6	M8
E-Cu	Ø 0.8	140.0051	140.0051	140.0114	140.0051	140.0114
	Ø 1.0	140.0242	140.0242	140.0313	140.0242	140.0313
	Ø 1.2	140.0379	140.0379	140.0442	140.0379	140.0442
	Ø 1.6	-	-	-	140.0555	140.0587
E-Cu for Al	Ø 0.8	141.0001	141.0001	141.0003	141.0001	141.0003
	Ø 1.0	141.0006	141.0006	141.0008	141.0006	141.0008
	Ø 1.2	141.0010	141.0010	141.0015	141.0010	141.0015
	Ø 1.6	-	-	-	141.0020	141.0022
CuCrZr	Ø 0.8	140.0054	140.0054	140.0117	140.0054	140.0117
	Ø 1.0	140.0245	140.0245	140.0316	140.0245	140.0316
	Ø 1.2	140.0382	140.0382	140.0445	140.0382	140.0445
	Ø 1.6	-	-	-	140.0558	140.0590

Contact tip holder (10 pcs.)



M6	142.0003	142.0005	142.0008
M8	-	142.0020	142.0022

Gas diffuser (10 pcs.)



Standard	012.0183	014.0261	030.0145
Long life	-	014.0026	030.0037
Ceramic	-	014.0023	030.0190



Liner 8 m

Liner	Ø	
Liner	Ø 0.8	122.0010
	Ø 1.0	122.0040
	Ø 1.2	122.0040
	Ø 1.6	122.0065
PTFE liner	Ø 0.8	126.0013
	Ø 1.0	126.0030
	Ø 1.2	126.0030
	Ø 1.6	126.0047
Carbon liner	Ø 0.8	127.0015
	Ø 1.0	127.0009
	Ø 1.2	127.0009
	Ø 1.6	127.0014

Liner 8 m

Liner	Ø	
PA liner	Ø 0.8	-
	Ø 1.0	128.0019
	Ø 1.2	128.0019
	Ø 1.6	122.0023

Wire feeding roll

ST/AL	Ø	
ST/AL	Ø 0,8	080.0019
	Ø 1,0	080.0021
	Ø 1,2	080.0022
	Ø 1,6	080.0023

MIG/MAG Fume Extraction Torches "RAB Plus"

air and liquid cooled

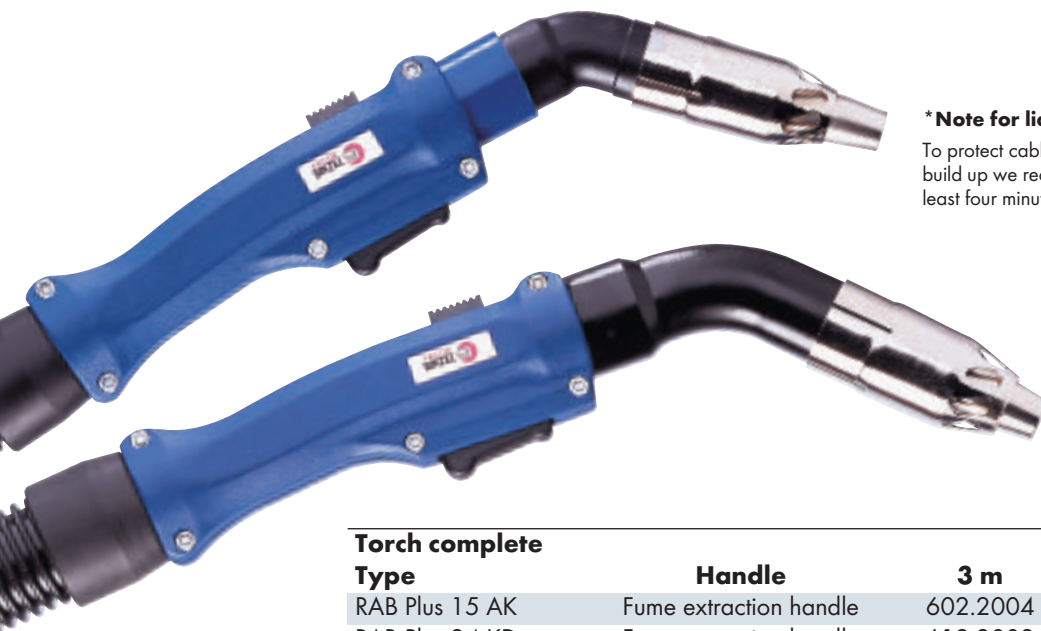
Every welding job generates fumes and smoke that could be hazardous if inhaled. Based on the well-established torch series "MB" the RAB Plus Fume Extraction Torches offer efficient fume extraction through the torch itself. Special design solutions guarantee highly efficient smoke removal directly at its source without affecting the protective gas shield.



- Direct extraction at the arc – ensures permanent protection of the welder's respiratory system
- Problem free installation in all existing MIG/MAG work stations
- Small extraction tube diameter – better accessibility
- Aluminium extraction tube – considerable weight saving

- Handle with extraction control and swivel joint – optimized handling
- Smaller diameter extraction hoses for all types – lower handling weight, optimum flexibility

Type	Cooling	Rating		Duty cycle (%)	Wire size (mm)
		CO ₂	Mixed Gases M21		
RAB Plus 15 AK	air	180 A	150 A	60	0.6-1.0
RAB Plus 24 KD	air	250 A	220 A	60	0.8-1.2
RAB Plus 25 AK	air	230 A	200 A	60	0.8-1.2
RAB Plus 36 KD	air	300 A	270 A	60	0.8-1.2
RAB Plus 240 D	liquid*	300 A	270 A	100	0.8-1.2
RAB Plus 501 D	liquid*	500 A	450 A	100	1.0-1.6
RAB Plus 501	liquid*	550 A	500 A	100	1.0-1.6



* Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

Torch complete Type	Handle	Part-No.		
		3 m	4 m	5 m
RAB Plus 15 AK	Fume extraction handle	602.2004	602.2005	602.2006
RAB Plus 24 KD	Fume extraction handle	612.2002	612.2003	612.2004
RAB Plus 25 AK	Fume extraction handle	604.2004	604.2005	604.2006
RAB Plus 36 KD	Fume extraction handle	614.2002	614.2003	614.2004
RAB Plus 240 D	Fume extraction handle	623.2002	623.2003	623.2004
RAB Plus 501 D	Fume extraction handle	634.2002	634.2003	634.2004
RAB Plus 501	Fume extraction handle	632.2010	632.2011	632.2012

RAB Plus

RAB Plus specific wear parts



Type	Fume shroud	Fume shroud (funnel)
RAB Plus 15 AK	600.2003	602.0040
RAB Plus 24 KD	600.2005***	612.0023
RAB Plus 25 AK	600.2004	602.0040
RAB Plus 36 KD	600.2006***	612.0023
RAB Plus 240 D	600.2005***	612.0023
RAB Plus 501 D	600.2006***	612.0023
RAB Plus 501	600.2006***	612.0023

***With spring clip for fixing the fume shroud (600.2028).

Type	Swan neck	Outer neck	Gas nozzle holder
RAB Plus 15 AK	602.2001	600.2001	902.0007
RAB Plus 24 KD	612.2001	600.2002	-
RAB Plus 25 AK	604.2001	600.2001	-
RAB Plus 36 KD	614.2001	600.2002	-
RAB Plus 240 D	623.2001	600.2002	-
RAB Plus 501 D	634.2001	600.2002	-
RAB Plus 501	632.2001	632.2009	-

The wear parts - contact tip, gas nozzle, gas diffuser, contact tip holder, guide spiral or liner - are identical with those of the manual welding torches of same size.

MIG/MAG Fume Extraction Torches in action ...



RAB Plus **without** fume extraction



RAB Plus **with** fume extraction

MIG/MAG Machine Welding Torches

air and liquid cooled

Machine welding processes are used wherever high precision and productivity is required. Accessibility to the components very often requires special solutions with mechanical torches. ABICOR BINZEL offers almost an infinite variety of solutions, always based on the design of the world-wide recognized manual torches.

This means: Experience in service life and quality offers additional advantages, so that special parts are not required.

Your ABICOR BINZEL advantages:

- Expert competence
- Separate special torch production – short delivery time
- High availability
- Right solution for every job



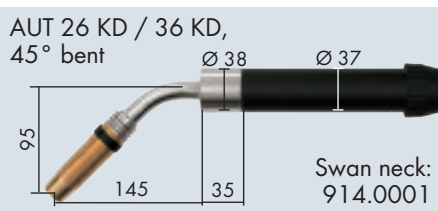
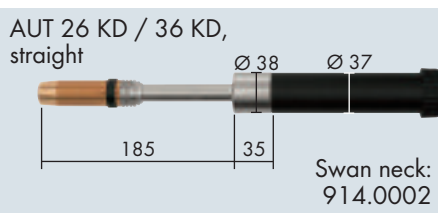
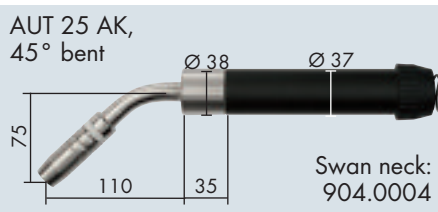
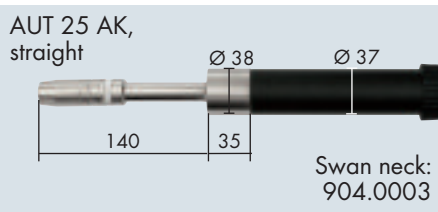
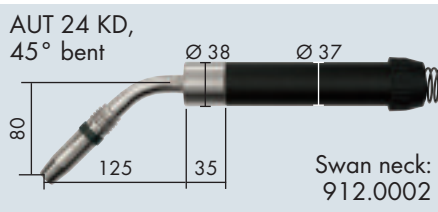
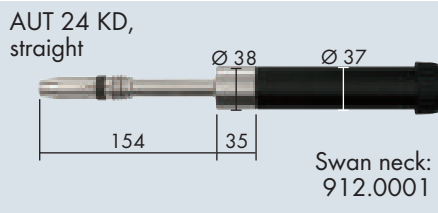
* Note for liquid cooled torches:

To protect cable assembly components from excessive heat build up we recommend a post welding cooling cycle of at least four minutes.

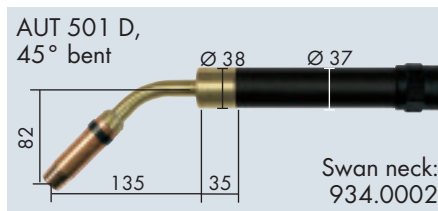
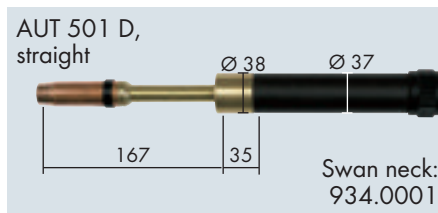
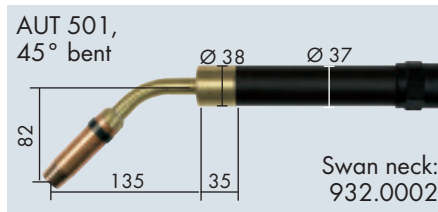
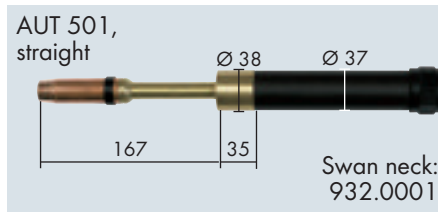
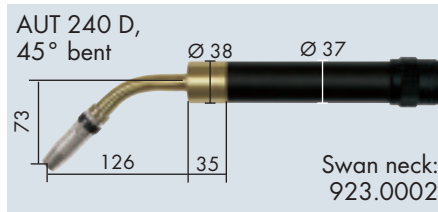
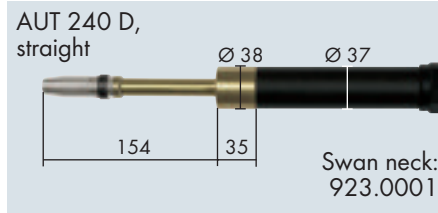


MIG/MAG-Machine Torches

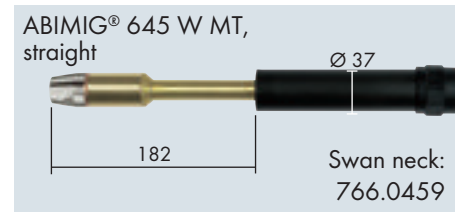
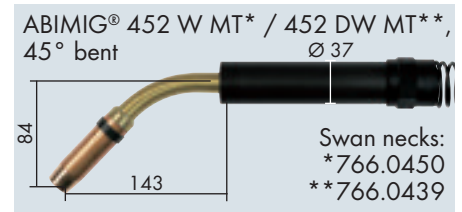
AUT air-cooled



AUT liquid-cooled



ABIMIG® MT liquid-cooled



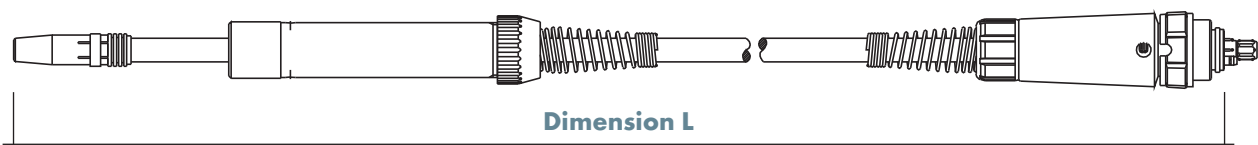
Note:

All dimensions are shown in mm.

When ordering complete torches, please indicate the torch type, torch geometry (straight or 45° bent) and dimension "L" (see sketch).

The wear parts - contact tip, gas nozzle, gas diffuser, contact tip holder, liner - are identical with those of the manual welding torches of same size.

Further Machine Torches on request.



Bikox, Control cables, Hoses and Liners

I. Cable assemblies air cooled

Type	Bikox	Cable assembly length			
		3 m	4 m	5 m	8 m
MB GRIP 15 AK	R4 / Typ 16	160.D520	160.D521	160.D522	-
MB GRIP 24 KD / 26 KD	R5 / Typ 25	160.D430	160.D431	160.D432	-
MB GRIP 25 AK	R6 / Typ 35	160.D427	160.D428	160.D429	-
MB GRIP 36 KD	R7 / Typ 50	160.D434	160.D435	160.D436	-
ABIMIG® GRIP A 155 LW	R4 / Typ 16	160.H025.1	160.H026.1	160.H027.1	-
ABIMIG® GRIP A 255 LW	R5 / Typ 25	160.H032.1	160.H033.1	160.H034.1	-
ABIMIG® GRIP A 305 LW	R6 / Typ 35	160.H039.1	160.H040.1	160.H041.1	-
ABIMIG® GRIP A 355 LW	R7 / Typ 50	160.H046.1	160.H047.1	160.H048.1	-
ABIMIG® GRIP A 405 LW	R9 / Typ 70	160.H053.1	160.H054.1	160.H055.1	-
PP 24 D	B6 / Typ 35	-	-	-	153.0054
PP 36 D	B7 / Typ 50	-	-	-	153.0129
RAB Plus 15 AK	B4 / Typ 16	660.0001	660.0002	660.0003	-
RAB Plus 24 KD	B6 / Typ 35	660.0010	660.0011	660.0012	-
RAB Plus 25 AK	B5 / Typ 25	660.0005	660.0006	660.0007	-
RAB Plus 36 KD	B7 / Typ 50	660.0014	660.0015	660.0016	-

II. Cable assemblies liquid cooled

Type	Description	Cable assembly length				per m
		3 m	4 m	5 m	8 m	
MB GRIP 240 / 401 / 501	Power cable HDH	115.0065	115.0070	115.0074	-	-
ABIMIG® GRIP W 555 / 605	Power cable PVC	115.0581	115.0582	115.0583	-	-
ABIMIG® 452 / 645	Power cable HDH	115.0065	115.0070	115.0074	-	-
RAB Plus 240 / 501	Power cable PVC	115.0581	115.0582	115.0583	-	-
PP 240 / 401	Power cable PVC	-	-	-	115.0043	-
MB GRIP 240 / 401 / 501	Wire conduit	156.0275	156.0276	156.0277	-	-
ABIMIG® GRIP W 555 / 605	Wire conduit	156.0275	156.0276	156.0277	-	-
ABIMIG® 452 / 645	Wire conduit	156.0019	156.0023	156.0026	-	-
RAB Plus 240 / 501	Wire conduit	154.0002	154.0003	154.0004	-	-
PP 240 / 401	Wire conduit	-	-	-	153.0028	-
MB GRIP 240 / 401 / 501	Water hose black HDH	-	-	-	-	109.0052
ABIMIG® GRIP W 555 / 605	Water hose blue PVC	-	-	-	-	109.0057
ABIMIG® GRIP W 555 / 605	Water hose red PVC	-	-	-	-	109.0056
ABIMIG® 452 / 645	Water hose black HDH	-	-	-	-	109.0052
RAB Plus 240 / 501	Water hose blue PVC	-	-	-	-	109.0057
RAB Plus 240 / 501	Water hose red PVC	-	-	-	-	109.0056
PP 240 / 401	Water hose blue PVC	-	-	-	-	109.0057
PP 240 / 401	Water hose red PVC	-	-	-	-	109.0056
MB GRIP 240 / 401 / 501	Gas hose	-	-	-	-	109.0040
ABIMIG® GRIP W 555 / 605	Gas hose	-	-	-	-	109.0040
ABIMIG® 452 / 645	Gas hose	-	-	-	-	109.0040
RAB Plus 240 / 501	Gas hose	-	-	-	-	109.0040
PP 240 / 401	Gas hose	-	-	-	-	109.0040
all torches	Control cable 2-pole	-	-	-	-	100.0019

Bikox, Control cables, Hoses and Liners

III. Hoses

Type	Description	Cable assembly length			
		3 m	4 m	5 m	per m
MB GRIP 240 / 401 / 501	Hose 25x1.5	-	-	-	107.0004
ABIMIG® GRIP W 555 / 605	Hose 25x1.5	-	-	-	107.0004
ABIMIG® 452 / 645	Hose 25x1.5	-	-	-	107.0004
RAB Plus 15 / 24 / 25 / 36	Hose LW 28	-	-	-	109.0042
RAB Plus 240 / 501	Hose LW 32	-	-	-	109.0043
PP 24 / 36 / 240 / 401	Hose 25x1.5	-	-	-	107.0004

IV. Hose clamps, Quick connector and Marking washer

Type	Part-No. (20 pcs.)	for hose			
		109.0040	109.0052	109.0056	109.0057
Hose clamp Ø=8.7	171.0002	•			
Hose clamp Ø=9.0 with ring (mark. 9.5)	173.0001		•	•	•
Quick connector NW 5 / Ø=6.0	501.0114		•	•	•
Marking washer red	501.2166		•		
Marking washer blue	501.2167		•		
Fastener cap red	501.2423		•	•	
Fastener cap blue	501.2424		•		•

V. Combined wire guides

Type	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
PTFE / Brass	0.8	126.M002	126.M003	126.M004	-
PTFE / Brass	1.0-1.2	126.M006	126.M007	126.M008	-
PTFE / Brass	1.6	126.M009	126.M010	126.M011	-
Carbon-PTFE / Brass	0.8	127.M002	127.M003	127.M004	-
Carbon-PTFE / Brass	1.0-1.2	127.M006	127.M007	127.M008	-
PA / Brass	1.0-1.2	128.M002	128.M003	128.M004	-

VI. Liner for special wire

Liner	Colour	Ø inside / outside	for wire size	for 3 m	for 4 m	for 5 m	for 8 m
Liner	petrol	2.0 / 4.7	1.0-1.2	126.0069	126.0070	126.0071	-
Liner	petrol	2.7 / 4.7	1.6	126.0072	126.0073	126.0074	-
PA liner*	grey	2.0 / 4.0	1.0-1.2	-	128.0015	-	128.0019
PA liner*	grey	2.3 / 4.7	1.6	-	128.0021	-	128.0023
PA liner*	grey	2.9 / 4.7	2.4	-	128.0025	-	128.0032

*only for Push-Pull

Handles and Modules

VII. Handles / Handle tubes

Type	Description	Part-No.
MB GRIP 15 / 24 / 25 / 26 / 36	Handle Type MB	180.0127
Ball joint cable protection MB GRIP	air cooled	400.1124
MB GRIP 240 / 401 / 501	Handle Type MB	180.0127
Ball joint cable protection MB GRIP	liquid cooled	400.1125
Inner ring MB GRIP	for ball joint bent protection (400.1125), liquid cooled	400.0790
ABIMIG® GRIP A 155 / 255 / 305 / 355	Handle Type MB	180.0127
Ball joint cable protection short ABIMIG® GRIP A	air cooled	400.1323.1
ABIMIG® GRIP A 405	Handle Type S	180.0132.1
Ball joint cable protection short ABIMIG® GRIP A	air cooled	400.1323.1
ABIMIG® GRIP W 555 / 605	Handle Type S	180.0132.1
Ball joint cable protection ABIMIG® GRIP W	liquid cooled	400.1125
Inner ring ABIMIG® GRIP W	for ball joint bent protection (400.1125), liquid cooled	400.0790
ABIMIG® 452 / 645	Handle Type AM	180.0111
Ball joint ABIMIG® 452 / 645	liquid cooled	400.0949
ABIMIG® MT 452 / 645	Handle tube MT	180.0114
RAB Plus 15 / 24 / 25 / 36 / 240 / 501	Handle RAB Plus	180.0110
AUT 24 / 25 / 26 / 36 / 240 / 401 / 501	Handle tube AUT	180.0097

VIII. Handle Type SH and control modules / Handle Type TO and control modules

Type	Description	Details	Part-No.
all ABIMIG® GRIP-Torches	Handle Type SH, without module		180.0133.1
all ABIMIG® GRIP-Torches	Control module with potentiometer left 10 kΩ	BIS-01L	400.0956
	Control module with potentiometer right 10 kΩ	BIS-01R	400.0957
	Control module with potentiometer 10 kΩ LED for Migatronik	BIS-02	400.0958
	Control module with push-button and 4 LED	BIS-06	400.0959
	Control module double push-button switch lengthwise	BIS-10A	400.0963
	Control module double push-button switch crosswise	BIS-10B	400.0964
	Control module double push-button switch crosswise for Fronius	BIS-10D	400.1085
	Control module double push-button 2x switch lengthwise for EWM	BIS-13A	400.0966
	Control module double push-button 2x switch (185.0059) for Cloos	BIS-18	400.1012
	all ABIMIG® GRIP-Torches	Handle Type TO (switch on top)	

IX. Adapter

Type	Description	Part-No.
for all torch types MB / MB GRIP / ABIMIG® GRIP 155-355	For using the handles Type S, SH and TO	400.1341.1

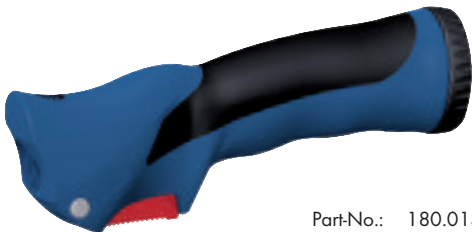
Handles and Modules

Handle Type "MB"



Part-No.: 180.0127

Handle Type "S"



Part-No.: 180.0132.1

Handle Type "TO"



cpl. with switch on top
Part-No.: 180.0134.1

Handle Type "SH"



BIS-01L
Control module with potentiometer
left 10 kΩ



BIS-01R
Control module with potentiometer
right 10 kΩ



BIS-02
Control module with potentiometer
10 kΩ LED for Migatronik



BIS-06
Control module with push-button
and 4 LED



BIS-10A
Control module double push-button
switch lengthwise



BIS-10B
Control module double push-button
switch crosswise



BIS-10D
Control module double push-button
switch crosswise for Fronius



BIS-13A
Control module double push-button
2x switch lengthwise for EWM



BIS-18
Control module double push-button
2x switch (185.0059) for Cloos



incl. add-on for control modules
Part-No.: 180.0133.1

Adapter



for all torch types MB / MB GRIP / ABIMIG® GRIP 155-355
for using the handles Type S, SH and TO
Part-No.: 400.1341.1

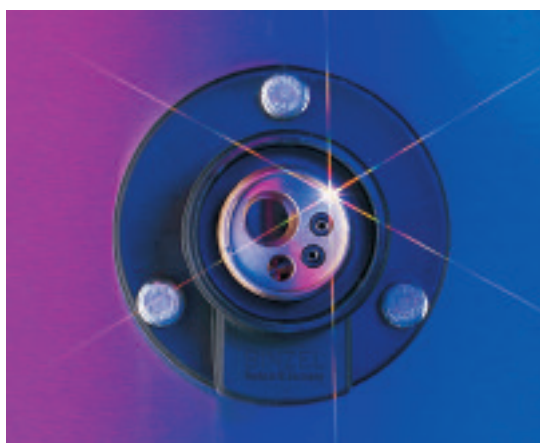
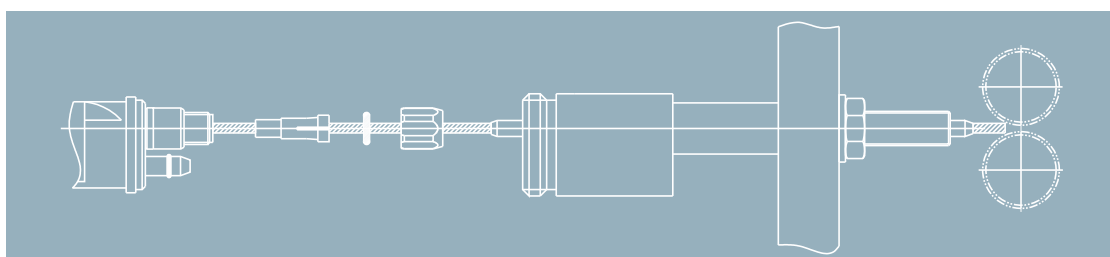
Please note: All trademarks mentioned in this catalogue are property of the respective companies.

Central adaptor and central connector system

The universal connection ...

The original ABICOR BINZEL central adaptor and central connector, for air-cooled and liquid-cooled MIG/MAG machines, have been the industry standard for more than 30 years.

All machine types are different in construction and all wire feeding systems have their own dimensions. However, there is a common denominator the central adaptor system from ABICOR BINZEL.



We offer more than 500 different central adaptor types. Please indicate manufacturer and type of your wire feeder or your compact power source and we will supply you with the appropriate adaptor. However, if an adaptation problem should occur, please contact us - we will take care of it.

Central adaptor and central connector system

Insulation flanges

Description	Pos.	Details	Part-No.
Insulation flange	(n. shown)	Ø 120 mm	501.0602
Insulation flange	1	Δ 85 mm	501.2381
Insulation flange	2	Ø 85 mm	501.0616
Insulation flange	3	Ø 50 mm	501.0588
Insulation flange	(n. shown)	□ 60 mm	501.2308



Brass bodies

Description	Pos.	Details	Part-No.
Brass body	4	Gas axial	501.0168
Brass body	5	Gas axial	501.0169
Brass body	6	Power / Gas radial	501.0170
Brass body	7	Power and Gas radial	501.0172
Brass body	8	Power radial / Gas axial	501.0175
Connector with control line	(n. shown)	600 mm (white)	501.0183
Connector with control line	(n. shown)	600 mm (brown)	501.2020



Adaptor plugs

Description	Pos.	Details	Part-No.
Blank Ø 16	9	100 mm	501.2191
Blank Ø 16	10	170 mm	501.2192
Blank Ø 16	11	250 mm	501.2193
Blank Ø 22	12	200 mm	501.2190

Here you can see a small selection of adaptor plug blanks for individual adaptation, representing more than 500 different adaptor plugs available in the ABICOR BINZEL range.

We supply ready made adaptors on request, please specify the make and type of wire feeding device and/or compact machine in your order.



Description	Part-No.
Power lug	501.0280

Central adaptor and central connector system



Capillary tubes

Description	Details	Part-No.
Capillary tubes for wire up to Ø 1.0 mm	200 mm	129.0164
	300 mm	129.0187
	500 mm	129.0189
	1000 mm	129.0107
Capillary tubes for wire up to Ø 1.6 mm	200 mm	129.0313
	300 mm	129.0357
	500 mm	129.0361
	1000 mm	129.0227
Capillary tubes for wire Ø 2.0 and 2.4 mm	200 mm	129.0395
	300 mm	129.0411
	500 mm	129.0412
	1000 mm	129.0366

Guide tubes

Description	Details	Part-No.
Guide tubes for liners	200 mm	129.0461
	300 mm	129.0471
	500 mm	129.0473
	1000 mm	129.0426

The guide tubes must be fitted as shown in the assembly instructions on page 29.



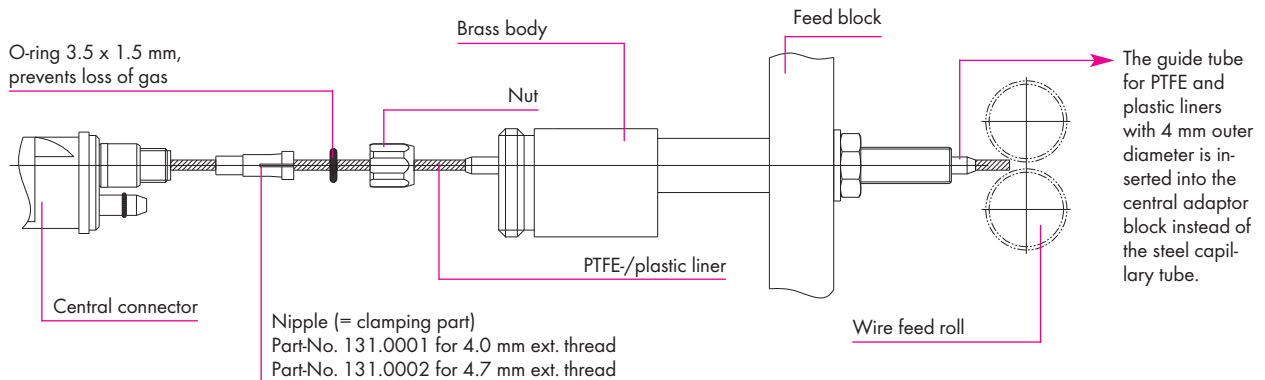
Quick disconnectors

Description	Part-No.
for fitting with hose 8 mm Ø	501.0190
for mounting with G 1/2" nut and power connection	501.0198
for fitting with hose 6 mm Ø	501.0204
for fitting with hose 6.5 mm Ø	501.0230
for mounting with G 3/8" nut and power connection	501.0163
for fitting with hose 10 mm Ø	501.0195
for mounting with nut M 12x1.5	501.0194
for mounting with nut G 3/8"	501.0189
for mounting with nut M 12x1	501.0176
for mounting with nut G 1/4"	501.0158
for mounting with nut M 14x1	501.0197
for mounting with nut G 1/2"	501.0191
for mounting with nut 5/8" LH ext. thread	501.0188
for mounting with nut 7/8" 14G-UNF	501.0196
Spacer ring	501.0304
Quick disconnect G 1/8" ext. thread	177.0003
Quick disconnect G 1/8" int. thread	177.0002
Quick disconnect G 3/8" ext. thread	177.0012

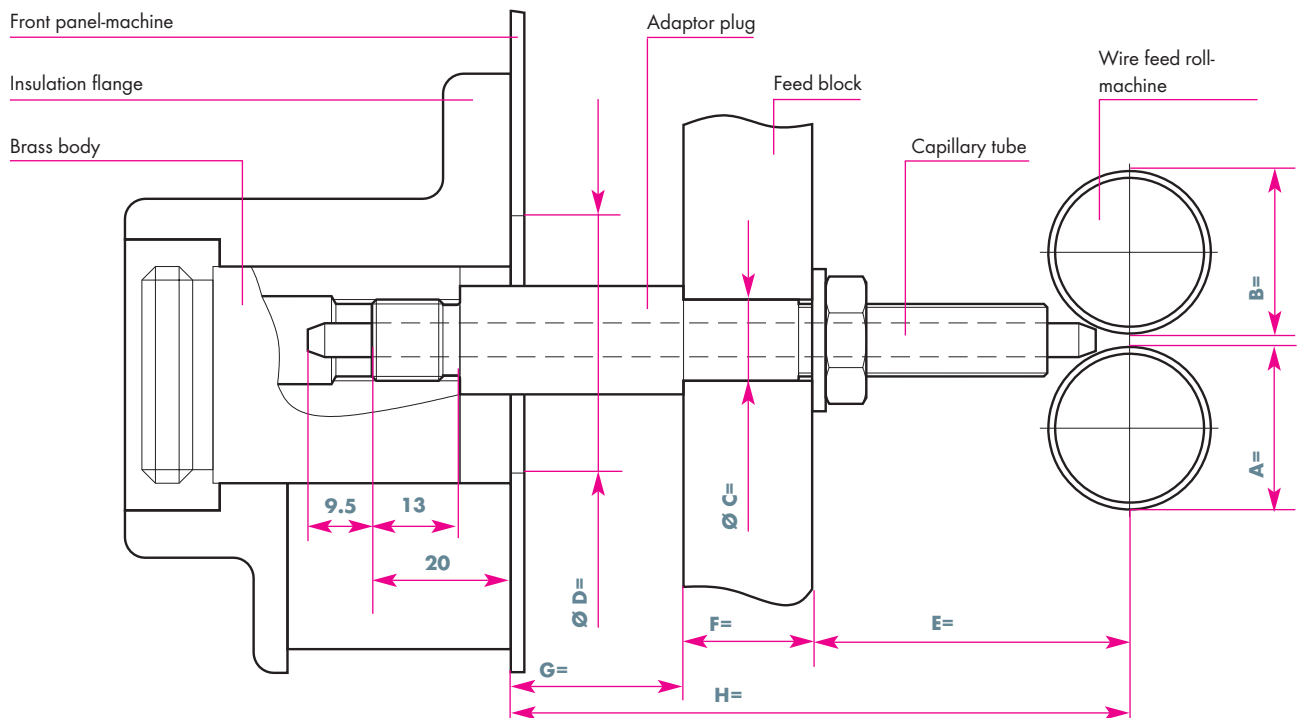


Central adaptor and central connector system

Assembly instruction for use of PTFE- and plastic liners:



Dimension sketch for central adaptors (please insert the exact dimensions and send back by fax or e-mail):



	Power source	Wire feeder
Manufacturer		
Type		
Serial No.		
Constr. year		

	Connections Plug conn.	Thread	Hose cable length (in mm)	Connections inside	Connections outside
Gas					
Current					
Water preflow					
Current / Water					
Control lead	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	-pole	

Sender

Company:	
Street / No.:	
Post code:	
City:	

Name:	
Phone:	
Fax:	
Date:	
Signature:	

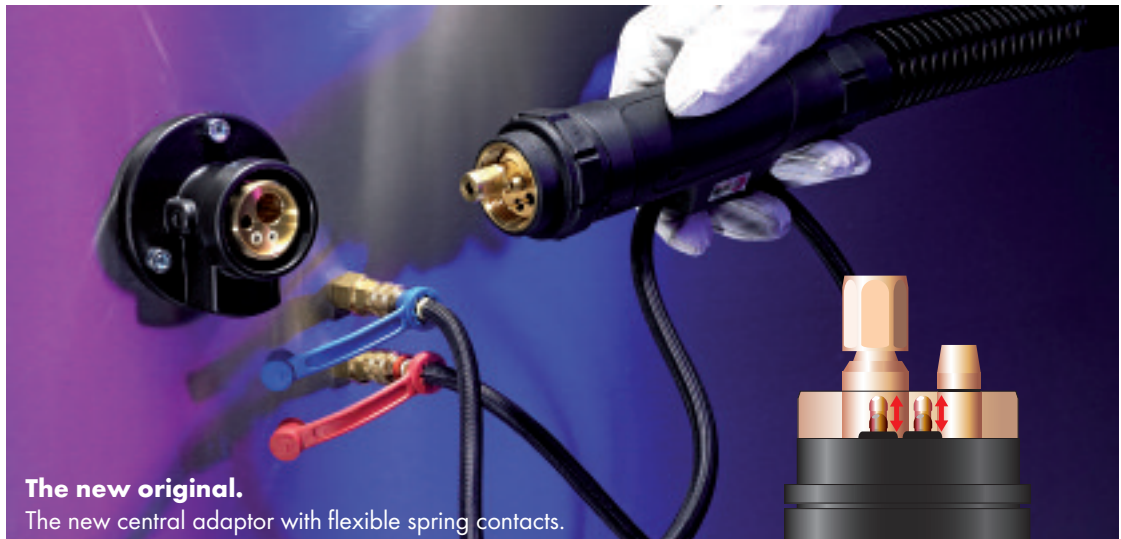
Hint:
Copy this page so you can use it several times.

Central adaptor with spring contacts

Flexible contact ...

**The system works!
No matter what happens.**

Whether the contact guides have become slightly damaged due to rough operating conditions or have even been deformed by improper handling – this central adaptor will ensure a safe contact even with female connectors from other manufacturers.



The new original.
The new central adaptor with flexible spring contacts.

Because when the adaptor and female connector are joined together, the contact pins on the adaptor are no longer inserted into the female connector. Instead, hemispherical contact is made with the insertion openings, whereby spring force ensures additional contact pressure.

Even in the case of misuse or the wrong female connectors nothing can happen, nothing becomes bent. Because the contact pins then retract flexibly. For longer service life and better contact!

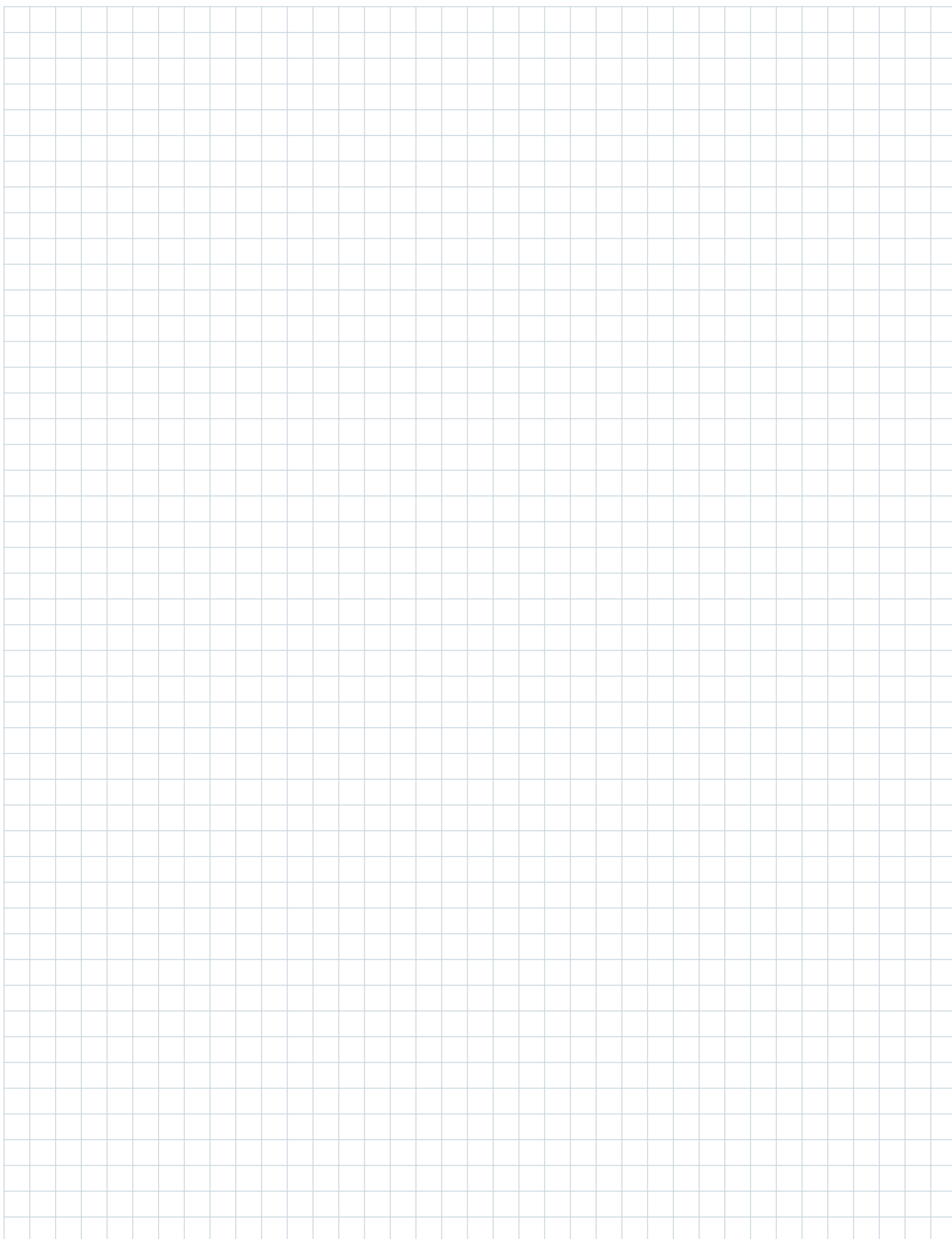
Central adaptor with spring contacts

Type	Details	Part-No.
Central adaptor KZ-2	for MB / MB GRIP & RAB Plus, air-cooled	501.0003
Central adaptor WZ-2	for MB / MB GRIP, Push-Pull & RAB Plus, liquid-cooled	501.0015
Central adaptor WZ-2	for ABIMIG® liquid-cooled	501.0015
Central adaptor GZ-2	for Push-Pull air-cooled	501.0005
Adaptor with control line	100 mm (white)	501.2378
Adaptor with control line	100 mm (brown)	501.2377

The central adaptor that always produces a good connection thanks to its flexible spring contacts.



Notes



Our product range:

■ MIG/MAG

- Welding Torches
- Machine and Special Torches
- Push-Pull Welding Torches
- Fume Extraction Torches
- Central Adaptor System

■ TIG

- Welding Torches
- Machine and Special Torches

■ PLASMA

- Cutting Torches
- Welding Torches
- Machine and Special Torches

■ Robotic Peripheral Equipment

- Robot Torches
MIG/TIG/Plasma
- Robot Mount CAT2/iCAT
- Torch Change System
ATS-Rotor
- Tool Change System WWS
- Wire Cutting Station DAV
- Torch Cleaning Station
BRS-LC, BRS-CC and BRS-FP
- Wire Feeding Station APD-MF

■ Welding Accessories

- Coolers
- Welding Cable Plug and Socket
- Anti Spatter Spray and Paste
and so on ...



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