

TIG



Product Catalogue 1.0 / V1





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TIG-Welding Torches "ABITIG®"

air- and liquid-cooled

The ABITIG® line represents a further development of the worldwide recognized SR torch series. All torches feature the most commonly used and accepted components and are offered within a modular concept torch programme with enhanced features.

The wide range, with both air- and liquid-cooled variants, are all fitted with a uniform ergonomic handle which integrates all switching and control functions. The flexible cable assemblies are further available with modular and robust machine-side connections.

- One ergonomic handle for all ABITIG® torch types
- Modular switching and control functions integrated in the handle
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard



ABITIG® 9

Technical data (EN 60 974-7):

| | |
|---------------------|---------------------|
| Type of cooling: | air-cooled |
| Rating: | 110 A DC 80 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5–1.6 mm |

ABITIG® 20

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | liquid-cooled* |
| Rating: | 240 A DC 170 A AC |
| Duty cycle: | 100% |
| Tungsten electrode: | Ø 0.5–3.2 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.7 l/min.

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




| Torch complete | | | Torch body | |
|----------------|---------------|----------------|------------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 9 | air-cooled | see comment*** | Standard | 712.5020 |
| ABITIG® 9 F | air-cooled | see comment*** | Flexible | 712.5030 |
| ABITIG® 20 | liquid-cooled | see comment*** | Standard | 712.3020 |
| ABITIG® 20 F** | liquid-cooled | see comment*** | Flexible | 712.3030 |

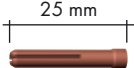

** Also available on request in 30 mm and 65 mm extended version.

*** Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.




ABITIG® 9, ABITIG® 20




Wear parts



| | | | |
|---------------------------|---|--|---|
| |  |  |  |
| Back cap (10 pcs.) | short | medium | long |
| | 701.0240 / 41V33 | 701.0244 / 41V35 | 701.0247 / 41V24 |

| | | |
|-------------------------|---|---|
| |  |  |
| | 25 mm | 40 mm |
| Collet (10 pcs.) | Standard version | Jumbo version |
| Ø 0.5 mm | 701.0249 / 13N20 | 701.1225 / 13N20L |
| Ø 1.0 mm | 701.0250 / 13N21 | 701.1226 / 13N21L |
| Ø 1.2 mm | 701.0254 / - | - |
| Ø 1.6 mm | 701.0251 / 13N22 | 701.1227 / 13N22L |
| Ø 2.0 mm | 701.0255 / - | - |
| Ø 2.4 mm | 701.0252 / 13N23 | 701.1228 / 13N23L |
| Ø 3.2 mm | 701.0253 / 13N24 | 701.1229 / 13N24L |

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

| | | | |
|--------------------|---|--|---|
| |  |  |  |
| Collet body | Standard version (10 pcs.) | Standard version with gas lens (10 pcs.) | Jumbo version with gas lens (5 pcs.) |
| 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 / 99S795S |

| | | | |
|--------------------------------------|---|--|---|
| |  |  |  |
| | 30 mm | 25.5 mm | 48 mm |
| 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 | - | 701.1200 / 57N74 |
| No. 10 Ø 16.0 mm | 701.0286 / 13N13 | - | 701.1201 / 53N88 |
| No. 12 | - | - | 701.1121 / 53N87 |

| | | |
|--------------------------------------|--|---|
| |  |  |
| | X1 | 34 mm |
| Gas nozzle, Ceramic (10 pcs.) | Standard version X1 | Jumbo version for gas lens**** |
| No. 4 Ø 6.5 mm 48 mm | 701.0289 / 796F71 | 701.1202 / 53N89 |
| No. 5 Ø 8.0 mm 48 mm | 701.0290 / 796F72 | |
| No. 6 Ø 9.5 mm 48 mm | 701.0291 / 796F73 | |
| No. 4 Ø 6.5 mm 63 mm | 701.0293 / 796F75 | |
| No. 5 Ø 8.0 mm 63 mm | 701.0294 / 796F76 | |
| No. 4 Ø 6.5 mm 89 mm | 701.0296 / 796F79 | |

****not suitable for high frequency

TIG-Welding Torches "ABITIG®"

air- and liquid-cooled



- One ergonomic handle for all ABITIG® torch types
- Modular switching and control functions integrated in the handle
- Light and flexible cable assemblies with modular machine-side connections for all available TIG welding power sources
- Consumables compatible to the international standard

ABITIG® 17

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | air-cooled |
| Rating: | 140 A DC 100 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5–2.4 mm |

ABITIG® 18

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | liquid-cooled* |
| Rating: | 320 A DC 230 A AC |
| Duty cycle: | 100% |
| Tungsten electrode: | Ø 0.5–4.0 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.9 l/min.

ABITIG® 26

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | air-cooled |
| Rating: | 180 A DC 130 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5–4.0 mm |

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

| Torch complete | | Torch body | | |
|----------------|---------------|---------------|----------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 17 | air-cooled | see comment** | Standard | 712.1020 |
| ABITIG® 17 F | air-cooled | see comment** | Flexible | 712.1030 |
| ABITIG® 18 | liquid-cooled | see comment** | Standard | 712.2020 |
| ABITIG® 18 F | liquid-cooled | see comment** | Flexible | 712.2030 |
| ABITIG® 18 K | liquid-cooled | see comment** | Flexible | 712.2230 |
| ABITIG® 26 | air-cooled | see comment** | Standard | 712.4020 |
| ABITIG® 26 F | air-cooled | see comment** | Flexible | 712.4030 |
| ABITIG® 26 K | air-cooled | see comment** | Short | 712.4230 |

**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.

ABITIG® 17, ABITIG® 18, ABITIG® 26

Wear parts



Back cap (5 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 |
|--|-----------------|------------------|------------------|



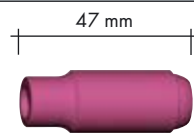
Collet body

Standard version
(10 pcs.)

Standard version with gas lens
(10 pcs.)

Jumbo version with gas lens
(5 pcs.)

| | | | |
|--------------|-------------------|------------------|-------------------|
| 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 |

*** 50 mm long



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 |

**** not suitable for high frequency

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air- and liquid-cooled

- One ergonomic handle for all ABITIG® torch types
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- Consumables compatible to the international standard



ABITIG® 24 G

Technical data (EN 60 974-7):

| | |
|---------------------|---------------------|
| Type of cooling: | air-cooled |
| Rating: | 110 A DC 80 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5 - 1.6 mm |

ABITIG® 24 W

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | liquid-cooled* |
| Rating: | 140 A DC 100 A AC |
| Duty cycle: | 100% |
| Tungsten electrode: | Ø 0.5 - 2.4 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.7 l/min.

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

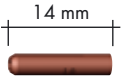
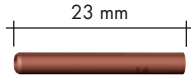
| Torch complete | | | Torch body | |
|----------------|---------------|---------------|------------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 24 G | air-cooled | see comment** | Standard | 712.7020 |
| ABITIG® 24 W | liquid-cooled | see comment** | Standard | 712.7120 |


**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.


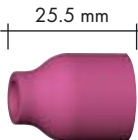
ABITIG® 24 G, ABITIG® 24 W


Wear parts

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

| | | |
|-------------------------|---|---|
| |  |  |
| | 14 mm | 23 mm |
| Collet (10 pcs.) | Standard version | Standard version for gas lens |
| Ø 0.5 mm | 701.0452 / 53N15 | 701.0461 / - |
| Ø 1.0 mm | 701.0453 / 53N16 | 701.0462 / 53N63 |
| Ø 1.2 mm | 701.0455 / - | 701.0464 / - |
| Ø 1.6 mm | 701.0454 / 53N14 | 701.0463 / 54N64 |
| 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 | 701.0479 / 53N17 | 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 |

| | | |
|---|---|---|
| |  |  |
| | 16.5 mm | 25.5 mm |
| 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 |

| | |
|---|---|
| |  |
| | X1 |
| Gas nozzle, Ceramic (10 pcs.) | 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 |

WIG-Schweißbrenner „ABITIG®“ flüssiggekühlt

- One ergonomic handle for all ABITIG® torch types
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- Consumables compatible to the international standard



ABITIG® 12-1

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | liquid-cooled* |
| Rating: | 350 A DC 250 A AC |
| Duty cycle: | 100% |
| Tungsten electrode: | Ø 1.6–4.0 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.7 l/min.

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

| Torch complete | | Torch body | | |
|----------------|---------------|---------------|----------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 12-1 | liquid-cooled | see comment** | Standard | 712.0020 |

**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.

ABITIG® 12-1

Wear parts



Back cap

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 |

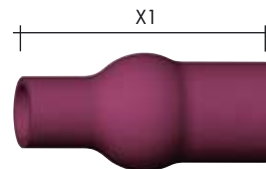


Collet body (10 pcs.)

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 |
| No. 11 | Ø 17.5 mm | 48 mm | 704.0053 / 137.00 |

TIG-Welding Torches "ABITIG®"

liquid-cooled

- One ergonomic handle for all ABITIG® torch types
- Modular switching and control functions integrated in the handle
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- Consumables compatible to the international standard



ABITIG® 18 SC

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | liquid-cooled* |
| Rating: | 400 A DC 280 A AC |
| Duty cycle: | 100% |
| Tungsten electrode: | Ø 0.5–4.8 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.9 l/min.



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

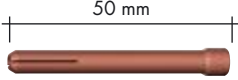
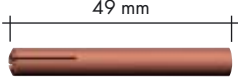
| Torch complete | | Torch body | | |
|----------------|---------------|---------------|----------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 18 SC | liquid-cooled | see comment** | Standard | 712.6020 |


**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.




ABITIG® 18 SC


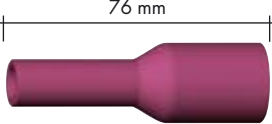
Wear parts

| | | |
|--------------------------|---|---|
| |  |  |
| Back cap (5 pcs.) | short 712.1053 | long 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 |
| Ø 4.8 mm | - | 712.6066 / 18C36 |

| | |
|----------------------------------|--|
| |  |
| Insulating ring (10 pcs.) | Insulating ring 712.6043 / 18NG |

| | | | |
|------------------------------|---|--|---|
| |  |  |  |
| Collet body (10 pcs.) | Standard version | Standard version with gas lens | HL version |
| Ø 0.5 mm | - | 712.6099 / 18GL02 | - |
| 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 | - | - |
| Ø 3.2-4.8 mm | - | - | 712.6076 / NCB-36 |

| | | |
|------------------------------------|---|---|
| |  |  |
| | 42 mm | 76 mm |
| Gas nozzle, Ceramic (VE=10) | 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 | - |

TIG-Welding Torches "ABITIG®"

air- and liquid-cooled

The ABITIG® line of new generation, air- and liquid-cooled TIG Torches offer leading edge performance in a comfortable and light weight package. The new cooling system guarantees long service life of both the torch body and consumables and enables the use of smaller tungsten electrodes through optimised heat dissipation.

The reduction in the quantity of consumables to only 3 components (torch cap, electrode holder / gas diffuser and threaded gas nozzle) simplifies use and helps to reduce stocking costs.

An insulating ring prevents the heat from the gas nozzle reaching the torch body. This protects the torch, increases service life and reduces further operating costs.

The new "intelligent" handle offers increased comfort due to the integration of all remote control functions. In addition, the handle is well protected against high frequency and the torch body rotates freely optimising operator comfort.

- High rating with smallest possible size
- One ergonomic handle for all ABITIG® torch types
- Modular switching and control functions integrated in the handle
- Light and flexible cable assemblies with modular machine-side connections for all salable TIG welding power sources
- Reduced storage costs with only 3 consumables
- Modular design



ABITIG® 150 / ABITIG® 150 F Technical data (EN 60 974-7) (with gas nozzle 36 mm):

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

ABITIG® 260 W Technical data (EN 60 974-7):

Type of cooling: liquid-cooled*
 Rating: 280 A DC / 260 A DC
 195 A AC / 185 A AC
 Duty cycle: 60% / 100%
 Tungsten electrode: Ø 1.0-3.2 mm

*Torch input pressure:
 Min. 2.5 bar (max. 3.5 bar);
 Min. flow rate: 0.7 l/min.

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


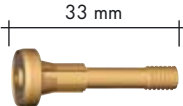
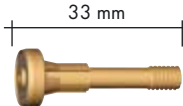
| Torch complete | | | Torch body | |
|----------------|---------------|---------------|------------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 150 | air-cooled | see comment** | Standard | 776.0010 |
| ABITIG® 150 F | air-cooled | see comment** | Flexible | 776.0130 |
| ABITIG® 260 W | liquid-cooled | see comment** | Standard | 777.0010 |



**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.

ABITIG® 150, ABITIG® 260 W


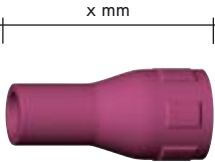
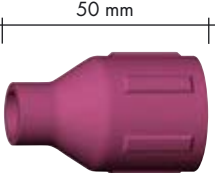
Wear parts

| | | | |
|-----------------|---|--|---|
| |  |  |  |
| Back cap | short | medium | long |
| | 776.0053 | 771.0051 | 776.0051 |

| | | | |
|--|---|--|---|
| |  |  |  |
| Electrode holder / Gas diffuser | Electrode holder (5 pcs.) | Gas diffuser | Gas diffuser |
| Ø 1.0 mm | 776.0061 | 776.0171 | 776.0171 |
| Ø 1.6 mm | 776.0062 | 776.0172 | 776.0172 |
| Ø 2.0 mm | 776.0067 | 776.0177 | 776.0177 |
| Ø 2.4 mm | 776.0063 | 776.0173 | 776.0173 |
| Ø 3.2 mm | 776.0064 | 776.0174 | 776.0174 |

| | | |
|---------------------------------|--|--|
| |  |  |
| Insulator / Adaptor ring | Standard version (10 pcs.) | for gas diffuser |
| Insulator | 776.1043 | 776.0443 |
| Adaptor ring | - | 776.0441 |

| | |
|---------------------|---|
| |  |
| Gas diffuser | Gas diffuser |
| Ø 1.6 mm | 775.0122 |
| Ø 2.4 mm | 775.0123 |
| Ø 3.2 mm | 775.0124 |

| | | | |
|--------------------------------------|---|--|---|
| |  |  |  |
| Gas nozzle, Ceramic (10 pcs.) | Standard version | Standard version | for gas diffuser |
| | | x = 36 mm | x = 60 mm |
| Ø 6.5 mm | 777.0081 | 777.2171 | 777.2175 |
| Ø 8.0 mm | 777.0082 | 777.2172 | 777.2176 |
| Ø 10.0 mm | 777.0083 | 777.2173 | - |
| Ø 11.5 mm | 777.0084 | 777.2174 | - |
| Ø 12.5 mm | - | - | 778.1183 |
| Ø 16.0 mm | - | - | 778.1184 |
| Ø 19.5 mm | - | - | 778.1188 |

TIG-Welding Torches "ABITIG®"

air- and liquid-cooled



- High rating with smallest possible size
- One ergonomic handle for all ABITIG® torch types
- Modular switching and control functions integrated in the handle
- Light and flexible cable assemblies with modular machine-side connections for all salable TIG welding power sources
- Reduced storage costs with only 3 consumables
- Modular design

ABITIG® 200 / ABITIG® 200 F

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | air-cooled |
| Rating: | 200 A DC 140 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 1.6–3.2 mm |

ABITIG® 450 W

Technical data (EN 60 974-7):

| | |
|---------------------|--|
| Type of cooling: | liquid-cooled* |
| Rating: | 420 A DC / 400 A DC 300 A AC / 280 A AC |
| Duty cycle: | 60% / 100% |
| Tungsten electrode: | Ø 1.6–4.8 mm |

ABITIG® 450 W SC

Technical data (EN 60 974-7):

| | |
|---------------------|--|
| Type of cooling: | liquid-cooled* |
| Rating: | 480 A DC / 450 A DC 340 A AC / 320 A AC |
| Duty cycle: | 60% / 100% |
| Tungsten electrode: | Ø 1.6–4.8 mm |

*Torch input pressure:
Min. 2.5 bar (max. 3.5 bar);
Min. flow rate: 0.7 l/min.

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

| Torch complete | | | Torch body | |
|----------------|---------------|---------------|------------|----------|
| Type | Cooling | Part-No. | Version | Part-No. |
| ABITIG® 200 | air-cooled | see comment** | Standard | 774.0010 |
| ABITIG® 200 F | air-cooled | see comment** | Flexible | 774.0130 |
| ABITIG® 200 K | air-cooled | see comment** | Short | 774.0230 |
| ABITIG® 450 W | liquid-cooled | see comment** | Standard | 775.0010 |
| ABITIG® 450 WK | liquid-cooled | see comment** | Short | 775.0230 |

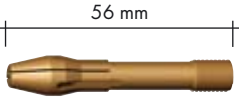


**Due to the highly differing types of connections on the machine side we cannot list order numbers for the complete torches. Please use the form on page 27 to order complete torches.

The torch bodies (standard and short) for the ABITIG® 450 W SC are identical with those for the ABITIG® 450 W. The complete torches differ only in terms of the layout of the cable assembly.

ABITIG® 200, ABITIG® 450 W, ABITIG® 450 W SC


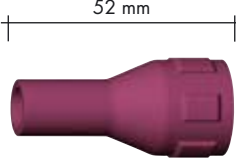

Wear parts

| | | |
|-----------------|---|--|
| |  |  |
| Back cap | short | long |
| | 773.0053 | 773.0051 |

| | | | |
|--|---|--|---|
| |  |  |  |
| Electrode holder / Gas diffuser | Electrode holder (5 pcs.) | Gas diffuser | Gas diffuser |
| Ø 1.6 mm | 775.0062 | 773.0172 | 773.0172 |
| Ø 2.0 mm | 775.0067 | 773.0177 | 773.0177 |
| Ø 2.4 mm | 775.0063 | 773.0173 | 773.0173 |
| Ø 3.2 mm | 775.0064 | 773.0174 | 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 | for gas diffuser |
| | 775.1043 | 775.1143 |

| | | |
|---------------------|--|---|
| | |  |
| Gas diffuser | | Gas diffuser |
| Ø 1.6 mm | | 775.0122 |
| Ø 2.4 mm | | 775.0123 |
| Ø 3.2 mm | | 775.0124 |
| Ø 4.0 mm | | 775.0125 |
| Ø 4.8 mm | | 775.0126 |

| | | | |
|---|---|--|---|
| |  |  |  |
| Gas nozzle, Ceramic (10 pcs.) | Standard version x = 26 mm x = 37 mm | Standard version | for gas diffuser |
| 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 |

TIG-Welding Torches "ABITIG®" with rotary valve air-cooled



- Rotary valve for regulating gas directly on the torch body
- Light and flexible cable assemblies for all salable TIG welding power sources
- Consumables compatible to the international standard

ABITIG® 9 V

Technical data (EN 60 974-7):

| | |
|---------------------|---------------------|
| Type of cooling: | air-cooled |
| Rating: | 110 A DC 80 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5-1.6 mm |

ABITIG® 17 V / FV*

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | air-cooled |
| Rating: | 140 A DC 100 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5-2.4 mm |

ABITIG® 26 V / FV*

Technical data (EN 60 974-7):

| | |
|---------------------|----------------------|
| Type of cooling: | air-cooled |
| Rating: | 180 A DC 130 A AC |
| Duty cycle: | 35% |
| Tungsten electrode: | Ø 0.5-4.0 mm |

* FV = Torch body (with rotary valve)
Flexible

| Torch complete Type | Version** | Part-No. | | Torch body | |
|------------------------|---------------------------|----------|----------|------------|----------|
| | | 4 m | 8 m | Type | Part-No. |
| ABITIG® 9 V | Rotary valve / Plug 10-25 | 706.5057 | 706.5058 | Standard | 705.0007 |
| ABITIG® 17 V | Rotary valve / Plug 10-25 | 706.1057 | 706.1058 | Standard | 705.0038 |
| ABITIG® 17 V | Rotary valve / Plug 35-50 | 706.1037 | 706.1038 | Standard | 705.0038 |
| ABITIG® 17 FV | Rotary valve / Plug 10-25 | 706.1157 | 706.1158 | Flexible | 703.0010 |
| ABITIG® 17 FV | Rotary valve / Plug 35-50 | 706.1137 | 706.1138 | Flexible | 703.0010 |
| ABITIG® 26 V | Rotary valve / Plug 35-50 | 706.4037 | 706.4038 | Standard | 705.0091 |
| ABITIG® 26 FV | Rotary valve / Plug 35-50 | 706.4137 | 706.4138 | Flexible | 703.0290 |

**Power cable / gas hose separate, gas hose with G1/4" union nut. Other versions available on request.

The wear parts - back cap, collet, collet body, adaptor, insulating ring and gas nozzle - are identical with those of the same type for the ABITIG® torches.

TIG-Automatic Welding Torches

TIG-Automatic Welding Torches air- and liquid-cooled



ABITIG® 150 MT
ABITIG® 260 W MT

The wear parts are identical with
ABITIG® 150 / ABITIG® 260 W -
see page 15.



■ **ABITIG® 200 MT / ABITIG® 300 W MT**
with adjustable tungsten electrode

ABITIG® 200 MT
ABITIG® 300 W MT
ABITIG® 400 W MT

The wear parts are identical with
ABITIG® 200 / ABITIG® 450 W -
see page 17.



ABITIG® 500 W MT

Wear parts on request.

| Technical data (EN 60 974- 7) | | | | Tungsten electrode Ø | Part-No. Torch body |
|-------------------------------|---------------|-----------------|------------|----------------------|---------------------|
| Type | Cooling | Rating | Duty cycle | | |
| ABITIG® 150 MT | air-cooled | 150 DC / 110 AC | 60% | 1.0-3.2 mm | 778.1020 |
| ABITIG® 260 W MT | liquid-cooled | 260 DC / 180 AC | 100% | 1.0-3.2 mm | 779.1020 |
| ABITIG® 200 MT | air-cooled | 200 DC / 140 AC | 60% | 1.6-3.2 mm | 778.2020 |
| ABITIG® 300 W MT | liquid-cooled | 300 DC / 210 AC | 100% | 1.6-4.0 mm | 779.2020 |
| ABITIG® 400 W MT | liquid-cooled | 400 DC / 280 AC | 100% | 1.6-4.8 mm | 779.4020 |
| ABITIG® 500 W MT | liquid-cooled | 500 DC / 350 AC | 100% | 1.6-6.4 mm | 779.6020 |

To order complete torches, please specify the length of the cable assembly and the connection on the machine side.

Component kits

I. Component kits ABITIG® 9 / 12-1 / 17 / 18 / 18 SC / 20 / 24 G / 24 W / 26

| Type | Electrode-Ø 1.6 | Electrode-Ø 2.4 | Electrode-Ø 3.2 |
|--------------------------------|-----------------|-----------------|-----------------|
| ABITIG® 9 (Collet body) | 712.3151 | - | - |
| ABITIG® 9 (Gas lens) | 712.3191 | - | - |
| ABITIG® 12-1 (Collet body) | - | 712.0152 | 712.0153 |
| ABITIG® 12-1 (Gas lens) | - | 712.0192 | 712.0193 |
| ABITIG® 17 (Collet body) | 712.2151 | 712.2152 | - |
| ABITIG® 17 (Gas lens) | 712.2191 | 712.2192 | - |
| ABITIG® 18 (Collet body) | - | 712.2152 | 712.2153 |
| ABITIG® 18 (Gas lens) | - | 712.2192 | 712.2193 |
| ABITIG® 18 SC (Collet body) | - | 712.6152 | - |
| ABITIG® 18 SC (Collet body HL) | - | - | 712.6153 |
| ABITIG® 18 SC (Gas lens) | - | 712.6192 | - |
| ABITIG® 18 SC (Gas lens HL) | - | - | 712.6193 |
| ABITIG® 20 (Collet body) | - | 712.3152 | 712.3153 |
| ABITIG® 20 (Gas lens) | - | 712.3192 | 712.3193 |
| ABITIG® 24 G (Collet body) | 705.1519 | - | - |
| ABITIG® 24 W (Collet body) | 705.1519 | 705.1520 | - |
| ABITIG® 26 (Collet body) | - | 712.2152 | 712.2153 |
| ABITIG® 26 (Gas lens) | - | 712.2192 | 712.2193 |

Component kit "Collet body" consisting of: Back cap long, collet, collet body and gas nozzle ceramic.

Component kit "Gas lens" consisting of: Back cap long, collet, collet body with gas lens and gas nozzle ceramic.

II. Component kits ABITIG® 150 / 260 W

| Type | Electrode-Ø 1.6 | Electrode-Ø 2.4 | Electrode-Ø 3.2 |
|----------------------------------|-----------------|-----------------|-----------------|
| ABITIG® 150 (Electrode holder) | 777.0182 | 777.0183 | - |
| ABITIG® 150 (Gas diffuser) | 777.0192 | 777.0193 | - |
| ABITIG® 260 W (Electrode holder) | 777.0182 | 777.0183 | 777.0184 |
| ABITIG® 260 W (Gas diffuser) | 777.0192 | 777.0193 | 777.0194 |

Component kit "Electrode holder" consisting of: Back cap medium, electrode holder and gas nozzle ceramic.

Component kit "Gas diffuser" consisting of: Back cap medium, gas diffuser and gas nozzle ceramic.

III. Component kits ABITIG® 200 / 450 W / 450 W SC

| Type | Electrode-Ø 2.4 | Electrode-Ø 3.2 | Electrode-Ø 4.8 |
|-------------------------------------|-----------------|-----------------|-----------------|
| ABITIG® 200 (Electrode holder) | 774.0183 | 774.0184 | - |
| ABITIG® 200 (Gas diffuser) | 774.0193 | 774.0194 | - |
| ABITIG® 450 W (Electrode holder) | 774.0183 | 774.0184 | - |
| ABITIG® 450 W (Gas diffuser) | 774.0193 | 774.0194 | - |
| ABITIG® 450 W SC (Electrode holder) | 774.0183 | 774.0184 | 774.0186 |
| ABITIG® 450 W SC (Gas diffuser) | 774.0193 | 774.0194 | 774.0196 |

Component kit "Electrode holder" consisting of: Back cap long, electrode holder and gas nozzle ceramic.

Component kit "Gas diffuser" consisting of: Back cap long, gas diffuser and gas nozzle ceramic.

Power cables, Control cables, Hoses, Handles and Modules

I. Power cables

| Type | Power cable standard | | | Power cable High Flex | | |
|------------------|----------------------|----------|----------|-----------------------|----------|----------|
| | 4 m | 8 m | 12 m | 4 m | 8 m | 12 m |
| ABITIG® 9 | 150.0084 | 150.0085 | 150.0086 | 150.0056 | 150.0057 | 150.0058 |
| ABITIG® 20 | 150.0015 | 150.0016 | 150.0017 | 150.0062 | 150.0063 | 150.0064 |
| ABITIG® 17 | 150.0084 | 150.0085 | 150.0086 | 150.0065 | 150.0066 | 150.0067 |
| ABITIG® 18 | 150.0018 | 150.0019 | 150.0020 | 150.0068 | 150.0069 | 150.0070 |
| ABITIG® 26 | 150.0087 | 150.0088 | 150.0089 | 150.0059 | 150.0060 | 150.0061 |
| ABITIG® 24 G | 150.0084 | 150.0085 | 150.0086 | 150.0065 | 150.0066 | 150.0067 |
| ABITIG® 24 W | 150.0015 | 150.0016 | 150.0017 | 150.0062 | 150.0063 | 150.0064 |
| ABITIG® 12-1 | 150.0074 | 150.0075 | 150.0076 | 150.0071 | 150.0072 | 150.0073 |
| ABITIG® 18 SC | 150.0018 | 150.0019 | 150.0020 | 150.0068 | 150.0069 | 150.0070 |
| ABITIG® 150 | 150.0111 | 150.0112 | 150.0113 | 150.0040 | 150.0041 | 150.0190 |
| ABITIG® 260 W | 150.0099 | 150.0100 | 150.0101 | 150.0164 | 150.0165 | 150.0166 |
| ABITIG® 200 | 150.0170 | 150.0171 | 150.0172 | 150.0036 | 150.0037 | 150.0114 |
| ABITIG® 450 W | 150.0054 | 150.0055 | 150.0083 | 150.0167 | 150.0168 | 150.0169 |
| ABITIG® 450 W SC | 150.0205 | 150.0206 | 150.0207 | 150.0203 | 150.0194 | 150.0204 |

Power cable for TIG-Welding Torches ABITIG® with rotary valve and TIG-Automatic Welding Torches on request.

II. Control cables

| Type | Description | Cable assembly length | | | |
|--------------|--------------------------------|-----------------------|-----|------|----------|
| | | 4 m | 8 m | 12 m | per m |
| all torches* | Power cable 3 core | - | - | - | 100.0100 |
| all torches* | Power cable 6 core | - | - | - | 100.0112 |
| all torches* | Power cable 6 core (protected) | - | - | - | 100.0028 |

* Apart from TIG-Welding Torches ABITIG® with rotary valve and TIG-Automatic Welding Torches.

III. Outer hoses

| Type | Description | Cable assembly length | | | |
|--------------------|----------------------|-----------------------|-----|------|----------|
| | | 4 m | 8 m | 12 m | per m |
| ABITIG® 9/20 | Outer hose 22x1.25 | - | - | - | 109.0020 |
| ABITIG® 17/18/26 | | | | | |
| ABITIG® 24 G/24 W | | | | | |
| ABITIG® 12-1 | | | | | |
| ABITIG® 18 SC | | | | | |
| ABITIG® 150/260 W | | | | | |
| ABITIG® 200/450 W | | | | | |
| ABITIG® 9 V | | | | | |
| ABITIG® 17 V/17 FV | | | | | |
| ABITIG® 450 W SC | Outer hose 25x1.25 | - | - | - | 105.0019 |
| ABITIG® 26 V/26 FV | | | | | |
| ABITIG® 150 MT | Outer hose 18.2x1.25 | - | - | - | 109.0019 |
| ABITIG® 200 MT | | | | | |
| ABITIG® 260 W MT | Outer hose 22x1.25 | - | - | - | 109.0020 |
| ABITIG® 300 W MT | | | | | |
| ABITIG® 400 W MT | | | | | |
| ABITIG® 500 W MT | | | | | |

Power cables, Control cables, Hoses, Handles and Modules

IV. Leather hose and hose coupling

| Type | Description | Part-No. |
|--------------|---|----------|
| all torches* | Leather hose 0.8 m | 108.0028 |
| all torches* | Hose coupling complete for connecting leather- and outer hose | 400.0391 |

*Apart from TIG-Welding Torches ABITIG® with rotary valve and TIG-Automatic Welding Torches.

V. Gas hoses

| Type | Description | Cable assembly length | | | per m |
|----------------------|------------------|-----------------------|-----|------|----------|
| | | 4 m | 8 m | 12 m | |
| ABITIG® 20 | Gas hose 3x1.5 | - | - | - | 102.0124 |
| ABITIG® 18 | | | | | |
| ABITIG® 24 W | | | | | |
| ABITIG® 12-1 | | | | | |
| ABITIG® 18 SC | | | | | |
| ABITIG® 260 W | | | | | |
| ABITIG® 450 W | | | | | |
| ABITIG® 450 W SC | | | | | |
| ABITIG® 9 V | | | | | |
| ABITIG® 17 V / 17 FV | | | | | |
| ABITIG® 26 V / 26 FV | Gas hose 4.9x1.5 | - | - | - | 109.0040 |
| ABITIG® 260 W MT | Gas hose 3x1.5 | - | - | - | 102.0124 |
| ABITIG® 300 W MT | | | | | |
| ABITIG® 400 W MT | | | | | |
| ABITIG® 500 W MT | | | | | |

VI. Water hose

| Type | Description | Version | |
|------------------|--------------------|-----------------|-----------|
| | | PVC black per m | HDH per m |
| ABITIG® 20 | Water hose 3.9x1.5 | 109.0011 | 109.0059 |
| ABITIG® 18 | | | |
| ABITIG® 24 W | | | |
| ABITIG® 12-1 | | | |
| ABITIG® 18 SC | | | |
| ABITIG® 260 W MT | | | |
| ABITIG® 300 W MT | | | |
| ABITIG® 400 W MT | | | |
| ABITIG® 500 W MT | | | |

VII. Hose clamps and marking washer

| Type | Part-No. | for hose | | | | |
|--|----------|----------|----------|----------|----------|----------|
| | | 102.0124 | 109.0011 | 109.0032 | 109.0040 | 109.0059 |
| Hose clamp Ø=9.0 with ring (mark. 9.5) | 173.0001 | | | • | • | |
| Hose clamp Ø=8.2 with ring (mark. 8.7) | 173.0005 | | • | | | • |
| Hose clamp Ø=7.5 with ring (mark. 8.0) | 173.0007 | • | | | | |
| Marking washer red | 501.2166 | | • | • | | • |
| Marking washer blue | 501.2167 | | • | • | | • |

Power cables, Control cables, Hoses, Handles and Modules

VIII. Handles and control modules

| Type | Description | Part-No. |
|---|--|----------|
| all torches* | Handle ABITIG® for single and double push-button, without control module | 180.0108 |
| | Control module single push-button | 400.0934 |
| | Control module double push-button | 400.0935 |
| all torches* | Handle ABITIG® SH, without control module | 180.0109 |
| | Control module double push-button for high switching current (up to 2 A) | 400.0937 |
| | Control module double push-button with Potentiometer 1 kΩ | 400.0939 |
| | Control module double push-button with Potentiometer 2,2 kΩ | 400.0942 |
| | Control module double push-button with Potentiometer 4,7 kΩ | 400.0944 |
| | Control module double push-button with Potentiometer 10 kΩ | 400.0936 |
| | Control module double push-button with Potentiometer 47 kΩ | 400.0946 |
| Control module UP/DOWN (device-dependent) | 400.0940 | |
| all torches* | Ball and socket joint complete for handle ABITIG® and handle ABITIG® SH | 400.0991 |

*Apart from TIG-Welding Torches ABITIG® with rotary valve and TIG-Automatic Welding Torches.

IX. Handles and rotary valves

| Type | Description | Part-No. |
|----------------------------|--------------|----------|
| ABITIG® 9 V / 17 V / 17 FV | Handle | 705.1440 |
| | Rotary valve | 705.0046 |
| ABITIG® 26 V / 26 FV | Handle | 705.0096 |
| | Rotary valve | 705.0097 |

Welding Accessories

To achieve the best results ...

... one of the things which will help you to achieve the best results in the welding process is to use professional accessories. When ideally tailored to the task, they provide the basis for operational safety and long service life.

High-quality welding accessories increase the output and reliability of your torch.

To achieve perfect results, don't leave anything to chance.

Rely on original welding accessories from ABICOR BINZEL.

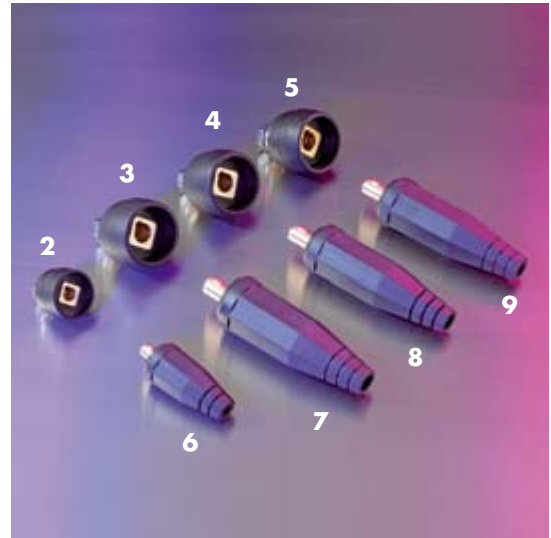


1 Tungsten electrodes

All commonly used tungsten electrodes acc. to DIN EN 24 848 are in stock. See schedule.

Tungsten electrodes acc. DIN EN 26 848:

| Material short cut | Alloy content in % (min./max.) | Character | Colour code |
|--------------------|--------------------------------|--------------------------------|-------------|
| WP | - | - | green |
| WT 10 | 0.9 / 1.2 | ThO ₂ | yellow |
| WT 20 | 1.8 / 2.2 | ThO ₂ | red |
| WT 40 | 3.8 / 4.2 | ThO ₂ | orange |
| WR 2 | - | Mixed oxides | turquoise |
| WL 10 | 0.8 / 1.2 | La ₂ O ₃ | black |
| WL 15 | 1.3 / 1.7 | La ₂ O ₃ | gold |
| WL 20 | 1.8 / 2.2 | La ₂ O ₃ | blue |
| WC 20 | 1.8 / 2.2 | CeO ₂ | grey |
| WZ 8 | 0.7 / 0.9 | ZrO ₂ | white |



Panel sockets

- | | | |
|---|--------------|--------------------|
| 2 | ABI-IF 10-25 | Part-No.: 511.0304 |
| 3 | ABI-IF 35-50 | Part-No.: 511.0314 |
| 4 | ABI-IF 50-70 | Part-No.: 511.0330 |
| 5 | ABI-IF 70-95 | Part-No.: 511.0309 |

Cable plugs

- | | | |
|---|--------------|--------------------|
| 6 | ABI-CM 10-25 | Part-No.: 511.0305 |
| 7 | ABI-CM 35-50 | Part-No.: 511.0315 |
| 8 | ABI-CM 50-70 | Part-No.: 511.0331 |
| 9 | ABI-CM 70-95 | Part-No.: 511.0342 |

Welding Accessories



Cable sockets

- | | |
|------------------------|-------------------|
| 10 ABI-CF 10-25 | Part-No.:511.0303 |
| 11 ABI-CF 35-50 | Part-No.:511.0313 |
| 12 ABI-CF 50-70 | Part-No.:511.0329 |
| 13 ABI-CF 70-95 | Part-No.:511.0340 |

Panel plugs

- | | |
|------------------------|-------------------|
| 14 ABI-IM 10-25 | Part-No.:511.0306 |
| 15 ABI-IM 35-50 | Part-No.:511.0316 |
| 16 ABI-IM 50-70 | Part-No.:511.0332 |
| 17 ABI-IM 70-95 | Part-No.:511.0320 |

18 Special coolant BTC-15

The special coolant from BINZEL protect down to -10° C for all liquid-cooled welding and cutting facilities.

- | | |
|-----------|--------------------|
| 5 litre | Part-No.: 192.0110 |
| 20 litre | Part-No.: 192.0111 |
| 200 litre | Part-No.: 192.0112 |

19 Spigot

for 200 litre barrel Part-No.: 192.0109



20 TIG-Handy-Support (FIX)

Part-No.: 193.0019

21 2 component glue

Part-No.: 191.0005

22 Special glue

for rubber and plastic

Part-No.: 191.0034

23 Accessories case

big
small

Part-No.: 192.0069

Part-No.: 192.0066



Coolant Recirculator WK 23 / WK 43

The portable cooling device for all common applications!

- **Simple handling:**
Connection (feed and return) via quick-action couplings
- **Compact design size:**
Small space requirements

- **Sturdy design:**
Indestructible stainless steel tank and sturdy housing
- **Service-friendly:**
Clear coolant sight glass

■ "Cool" supplement:
liquid-cooled welding
with air-cooled power
sources!



WK 23



WK 43

Technical data:

| Type | WK 23 | WK 43 |
|--|--|--|
| Heat exchanger: | 2 lines | 4 lines |
| Immersion pump 50 Hz (protection class IP 54) | Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 13.5 liters / min. | Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 13.5 liters / min. |
| Immersion pump 60 Hz (protection class IP 54) | Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 16.0 liters / min. | Delivery height: Hmax. 32 m Flow rate at G3/8" connector: Qmax. 16.0 liters / min. |
| Cooling capacity (RT = 22° C) | approx. 1000 W at 1 liter / min. | approx. 1250 W at 1 liter / min. |
| Dimensions (LxBxH) | 253x270x460 mm | 253x270x516 mm |
| Weight: | 17 kg | 18 kg |
| Tank capacity: | 7 liters | 7 liters |

| Type | Line voltage | Frequency | Power rating | Current consumption | Part-No. |
|-------|--------------|-----------|--------------|---------------------|----------|
| WK 23 | 115 V | 50 Hz | 0.35 kW | 6.5 A | 850.0214 |
| WK 23 | 115 V | 60 Hz | 0.35 kW | 6.5 A | 850.0135 |
| WK 23 | 230 V | 50 Hz | 0.35 kW | 3.1 A | 850.0137 |
| WK 23 | 230 V | 60 Hz | 0.35 kW | 3.1 A | 850.0210 |
| WK 23 | 240 / 415 V | 50 Hz | 0.50 kW | 2.6 / 1.6 A | 850.0144 |
| WK 43 | 115 V | 50 Hz | 0.35 kW | 6.5 A | 850.0215 |
| WK 43 | 115 V | 60 Hz | 0.35 kW | 6.5 A | 850.0156 |
| WK 43 | 230 V | 50 Hz | 0.35 kW | 3.1 A | 850.0159 |
| WK 43 | 230 V | 60 Hz | 0.35 kW | 3.1 A | 850.0211 |
| WK 43 | 240 / 415 V | 50 Hz | 0.50 kW | 2.6 A / 1.6 A | 850.0165 |

Operating instructions:

As coolant for all liquid-cooled torch systems, we recommend the special ABICOR BINZEL coolant BTC-15, which remains liquid down to -10° C. Must be used in conjunction with an adequate motor protection device. A water flow cut-off switch (850.0033) is recommended.

Order form

The large number of versions requires that you specify the desired torch version with your order. Please supply details on your torch with this order form.

Basic torch

| 1 | Type | Torch body / Version | |
|---|---|-----------------------------------|--|
| | <input type="checkbox"/> ABITIG® 9 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible |
| | <input type="checkbox"/> ABITIG® 20 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible |
| | <input type="checkbox"/> ABITIG® 17 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible |
| | <input type="checkbox"/> ABITIG® 18 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible <input type="checkbox"/> short |
| | <input type="checkbox"/> ABITIG® 26 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible <input type="checkbox"/> short |
| | <input type="checkbox"/> ABITIG® 24 G | <input type="checkbox"/> standard | |
| | <input type="checkbox"/> ABITIG® 24 W | <input type="checkbox"/> standard | |
| | <input type="checkbox"/> ABITIG® 12-1 | <input type="checkbox"/> standard | |
| | <input type="checkbox"/> ABITIG® 18 SC | <input type="checkbox"/> standard | |
| | <input type="checkbox"/> ABITIG® 150 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible |
| | <input type="checkbox"/> ABITIG® 260 W | <input type="checkbox"/> standard | |
| | <input type="checkbox"/> ABITIG® 200 | <input type="checkbox"/> standard | <input type="checkbox"/> flexible <input type="checkbox"/> short |
| | <input type="checkbox"/> ABITIG® 450 W | <input type="checkbox"/> standard | <input type="checkbox"/> short |
| | <input type="checkbox"/> ABITIG® 450 W SC | <input type="checkbox"/> standard | <input type="checkbox"/> short |

| 2 | Cable assembly |
|---|---|
| | <input type="checkbox"/> High Flex / Leather (with ball and socket joint) |
| | <input type="checkbox"/> Standard (with ball and socket joint) |

| 3 | Cable assembly length |
|---|----------------------------------|
| | <input type="checkbox"/> 4.00 m |
| | <input type="checkbox"/> 8.00 m |
| | <input type="checkbox"/> 12.00 m |

Control modules

| 4 | Control modules |
|---|--|
| | <input type="checkbox"/> Single push-button |
| | <input type="checkbox"/> Double push-button |
| | <input type="checkbox"/> Double push-button for high switching current (up to 2 A) |
| | <input type="checkbox"/> Double push-button with Potentiometer* |
| | <input type="checkbox"/> UP/DOWN (device-dependent) |

| 5 | * Potentiometer |
|---|--|
| | <input type="checkbox"/> 1.0 K Ω |
| | <input type="checkbox"/> 2.2 K Ω |
| | <input type="checkbox"/> 4.7 K Ω |
| | <input type="checkbox"/> 10.0 K Ω |
| | <input type="checkbox"/> 47.0 K Ω |

TIG welding power source

| 6 | Specification |
|---|--|
| | <input type="checkbox"/> Make |
| | <input type="checkbox"/> Machine type |
| | <input type="checkbox"/> Year of manufacture |

Miscellaneous

| 7 | |
|---|-------|
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Sender

Company:

Street / No.:

Post code / City:

Phone:

Fax:

Name:

Date:

Signature:

Stamp:

Hint: Copy this page so it can be seen by others.

Our product range:

■ MIG/MAG

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

■ TIG

- Welding Torches
- Automatic and Special Torches

■ PLASMA

- Cutting Torches
- Welding Torches
- Automatic 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

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



ABICOR
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