

Plasma cutting torch ABIPLAS® CUT 110



**The plasma
cutting torch
for all
individual
tasks**

The ABIPLAS® CUT series of manual torches are for use with compressed air serving as plasma and cooling gas for all usual cutting applications.

This is achieved by the wide range of consumable options.

With ABIPLAS® CUT you get the optimum torch for every cutting job.

Technical data according to EN 60 974-7:

| | |
|--------------------|--|
| Rating: | 110 A at 60 % duty cycle 90 A at 100 % duty cycle |
| Gas supply: | Compressed air both for plasma and cooling gas Air pressure 4.8 - 7 bar Working pressure 5.5 bar Required air volume 180 l/min at 5.5 bar Air post flow: ca. 60 sec |
| Ignition voltage: | 7 kV |
| Cutting thickness: | max. 40 mm at 110 A max. 35 mm at 90 A depending on material to be cut and power source |

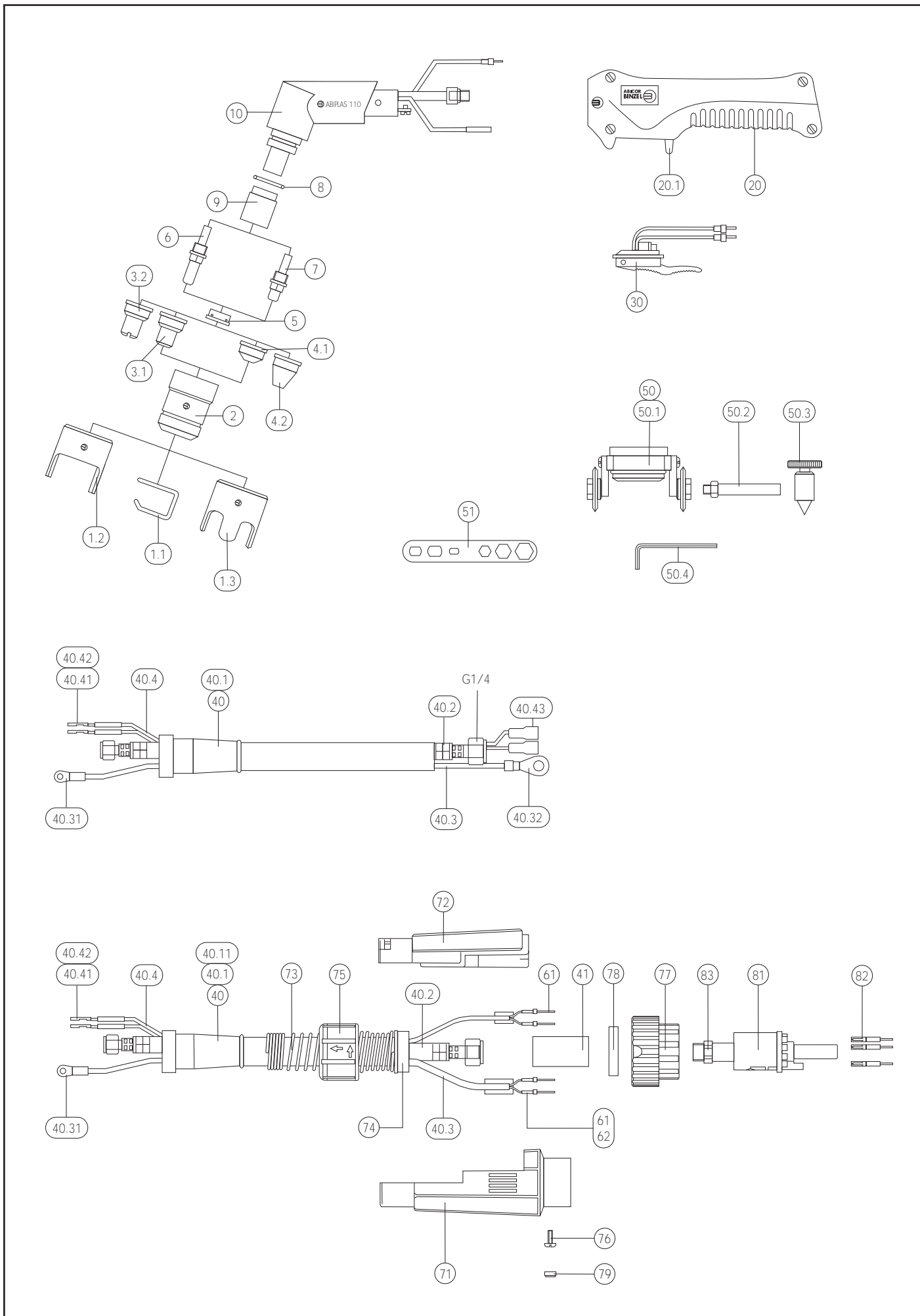
| Type | Description | Part N° |
|---|---|----------|
| ABIPLAS® CUT 110; 6 m, SC G¹/₄ | Plasma cutting torch with single connector | 745.D001 |
| ABIPLAS® CUT 110; 6 m, CC | Plasma cutting torch with central connector*) | 745.D048 |

In case of order, please indicate the plug encoding.

*) For user's safety, please pay attention that the power source is equipped with a central socket corresponding to EN 50 192.

Welding and cutting brought to the point.





| Components | Pos. | Description | Specifications | Part N° |
|--|-------|--|----------------|------------|
| Consumables | 1.1 | Distance spring | 2 pcs. | 745.D012 |
| | 1.2 | Bevel cutting nozzle | | 757.D040 |
| | 1.3 | Castellated nozzle | | 757.D046 |
| | 2 | Shield cap | | 745.D026 |
| | 3.1 | Nozzle long D=1.2/50 A | 5 pcs. | 745.D066 |
| | 3.2 | Nozzle cross groove long, D=1.2/50 A | 5 pcs. | 745.D068 |
| | 4.1 | Nozzle D=1.0/30-50 A | 5 pcs. | 745.D018 |
| | | Nozzle D=1.2/40-70 A | 5 pcs. | 745.D010 |
| | | Nozzle D=1.4/70-90 A | 5 pcs. | 745.D017 • |
| | | Nozzle D=1.6/90-110 A | 5 pcs. | 745.D065 |
| | 4.2 | Gouging nozzle | 5 pcs. | 745.D067 |
| | 5 | Swirl ring ABIPLAS® 110 | 2 pcs. | 745.D009 |
| | 6 | Electrode long | 5 pcs. | 745.D016 |
| | 7 | Electrode | 5 pcs. | 745.D008 • |
| | 8 | O-ring | 5 pcs. | 165.D013 |
| | 9 | Insulator | | 745.D020 |
| | | • standard completion | | |
| | | - Marking of nozzles: 11/xx = ABIPLAS® CUT 110/nozzle diameter | | |
| Torch body | 10 | Torch body ABIPLAS® 110 (pos. 10 includes pos. 8 and 9) | | 745.D025 |
| Handle | 20 | Handle, cpl. (pos. 20 includes pos. 20.1) | | 745.D046 |
| | 20.1 | Switch guard | | 400.D252 |
| | 30 | Trigger | | 185.D039 |
| Cable assembly - single connector G^{1/4} | 40 | Cable assembly | | 745.D024 |
| | 40.1 | Outer cover | | 107.D004 |
| | 40.2 | Power-air-cable | | 116.D003 |
| | 40.3 | Pilot wire per m | | 100.0074 |
| | 40.31 | Cable eye for M4 | 20 pcs. | 175.D045 |
| | 40.32 | Cable eye for M6 | 20 pcs. | 175.0039 |
| | 40.4 | Trigger wire double-pole, per m | | 100.0019 |
| | 40.41 | Cable eye | 20 pcs. | 175.0033 |
| | 40.42 | Insulating sleeve | 20 pcs. | 400.0119 |
| | 40.43 | Flat sleeve | 20 pcs. | 175.0001 |

| Components | Pos. | Description | Specifications | Part N° |
|---|---|---|----------------|----------|
| Cable assembly - central connector | 40 | Cable assembly | | 745.D054 |
| | 40.1 | Outer cover | | 107.D004 |
| | 40.11 | Outer cover (cpl. with pos. 40.1, 73, 74, 75) | | 107.D007 |
| | 40.2 | Power-air-cable | | 116.D003 |
| | 40.3 | Pilot wire per m | | 100.0074 |
| | 40.31 | Cable eye for M4 | 20 pcs. | 175.D045 |
| | 40.4 | Trigger wire double-pole, per m | | 100.0019 |
| | 40.41 | Cable eye | 20 pcs. | 175.0033 |
| | 40.42 | Insulating sleeve | 20 pcs. | 400.0119 |
| | 61 | Contact pin | 20 pcs. | 243.0053 |
| | 62 | Stranded wire single-pole, per m | | 100.D001 |
| | 71 | Cable support case, small | | 500.0216 |
| | 72 | Cable support cover | | 500.0217 |
| | 73 | Cable support spring ERGO dia. 21 | | 500.0343 |
| | 74 | Strain relief ERGO | | 400.0412 |
| | 75 | Seal ring dia. 31 | | 400.0297 |
| | 76 | Cylindrical screw M4x6 | 20 pcs. | 000.0552 |
| | 77 | Connector nut M32x2 | | 501.2250 |
| | 78 | Intermediate ring | | 771.0502 |
| | 79 | Cap 2 | 20 pcs. | 500.0362 |
| | 81 | Adapter | | 243.0050 |
| | 82 | Sleeve | | 243.0054 |
| | 83 | Hexagonal nut G ¹ / ₄ | | 243.0051 |
| Accessories | 41 | Set of shrink hoses (required when replacing pos. 10, 30, 40, 40.xx) | | 742.D021 |
| | 50 | Torch carriage set CUT 110 no picture with 2 rods, in carrying box | | 745.D079 |
| | 50.1 | Torch support CUT 110 | | 745.D070 |
| | 50.2 | Rod; 250 mm long (can be lengthened) | | 742.D052 |
| | 50.3 | Centre pin | | 743.0342 |
| | 50.4 | Internal hexagonal spanner | | 743.0270 |
| | 51 | Multiple wrench | | 191.0001 |
| Connectors | Connection adapters for differing machine connectors are available upon request | | | |
| Lengths | Standard length 6.0 m; other lengths available upon request | | | |

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Alexander Binzel Schweisstechnik GmbH & Co. KG
 Postfach 10 01 53 · D-35331 Gießen
 Tel.: ++49 (0) 64 08 / 59-0
 Fax: ++49 (0) 64 08 / 59-191
 Internet: www.binzel-abicor.com

