Product range

TIG ERGO welding hoses for manual TIG welding are available in various sizes.

TIG 101/101V is a small, lightweight aircooled TIG welding hose for use in difficult-to-access places and where welding current does not exceed approx. 100 A DC. It is typically used for production and on-site repairs in stainless materials.
TIG 101/101V can be equipped with all wearing parts displayed on page 27 and the control unit is easily replaced.

TIG 201 is a robust aircooled TIG welding hose, easily operated in difficult-to-access places, and is supplied with a small handle and a very flexible cable.
TIG 221 can be equipped with wear parts as shown on page 28.

TIG 221 is equipped with a big handle and a very flexible cable. The performance can be optimised by using gas for cooling of the cable. TIG 221 is typically used for Heavy Duty tasks and production tasks in aluminium and stainless steel.
TIG 221 can be equipped with wear parts as shown on page 29.

TIG 301 is a small, lightweight watercooled TIG welding hose with a high performance compared to its size. Watercooling ensures low temperatures in torch and torch handle which also increases welding comfort and durability. It is typically used for industrial production of boilers and tanks in steel, stainless steel and aluminium.
TIG 301 can be equipped with all wearing parts displayed on page 30 and the control unit is easily replaced.

TIG 321 is an extra robust watercooled TIG welding hose, which is equipped with a small torch body and a large handle plus a strong power cable for higher performance. It is typically used for welding in steel, stainless steel and aluminium.
TIG 321 can be equipped with all wearing parts shown on page 31, and the control unit is easily replaced.

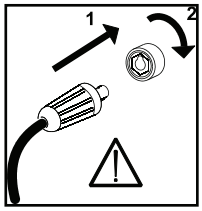
TIG 401 is a powerful standard model in the TIG-welding torch programme. It is water-cooled and can be used where high performance and duty cycle is important. It is typically used for production and on-site repairs in stainless steel in thick wall-thicknesses and aluminium with up to 400A DC welding current.
TIG 401 can be equipped with all wearing parts displayed on page 32 and the control unit is easily replaced.

TIG 451 is the strongest model in our range of TIG welding hoses. It is watercooled and constructed for heavy-duty welding. It is typically used for production and on-site repairs in stainless steel in thick wall-thicknesses and aluminium with up to 400A DC welding current.
TIG 451 can be equipped with all wearing parts displayed on page 33 and the control unit is easily replaced.

Connection and start-up

Configuration
Migatronic disclaims all responsibility for damage to cables and welding hoses and other damage related to welding with undersized welding hoses and welding cables measured by welding specifications, e.g. in relation to permissible load.

Important!
In order to avoid damage to plugs and cables, good electrical contact is required when connecting earth cable and welding hose to the machine. Bayonet cable connectors must be tightened carefully.



Bayonet cable connector for aircooled welding hose with gas quick-release fitting

Bayonet cable connector for watercooled welding hose with with gas quick-release fitting and 7 pole plug

Connection of old Migatronic TIG machines
For connection of TIG ERGO welding hoses to old generations of TIG machines, the following extra parts are required:

TIG-machines produced before 1989 with 3/8"-connection	***TIG-machines produced after 1989 with dinse plug***
MTA-MDA MDU TDE LTE THD MTE	All models with 6 pole plug Connect the welding hose directly and connect the plug by means of an adaptor
Parts required: 25420103 Nipple 43620011 Lock nut 43715008 Clip 80300116 7/6 pole adaptor Cut the wire on pin 4 in the adaptor	Parts required: 80300116 7/6 pole adaptor The adaptor is included if the welding hose is ordered as a 6 pole model

7/6 pole adaptor
order no.: 80300116