



Lasting Connections

MT MIG/MAG TORCHES



voestalpine Böhler Welding
www.voestalpine.com/welding

voestalpine

ONE STEP AHEAD.

LASTING CONNECTIONS

As a pioneer in innovative welding consumables, Böhler Welding offers a globally unique range of products for joint welding. More than 2,000 products are being adapted continuously to the current industry specifications and customer requirements, certified by well-respected institutes and thus approved for the most demanding welding applications.

"Lasting Connections" is the brand philosophy, both for welding and on a human level - as a reliable partner for the customer.



FULL POWER IN YOUR HAND

Robust, long lifetime and excellent handling

MIG/MAG torches by Böhler Welding are durable products for premium performance and high quality welds. With their light weight and excellent balance, our air and liquid cooled torches are premium products to achieve excellent welding results.



Our four air cooled Böhler MT xxx G torches are convincing when the best possible welding results with torch neck geometry should be achieved. The slim, straight handles allow easy handling as well as different posture positions and flexibility within the torch neck alignment. These torches are very robust, durable and thanks to the double fixation of the torch neck especially well protected against mechanical deformation. The torch necks and gas nozzles are nickel-plated to prevent the formation of weld spatter. Additionally, the low weight of the cable and the torch allows comfortable welding.

Our two liquid cooled Böhler MT xxx W torches are superior due to higher load limits compared to conventional torches of the same size. Due to the cooling system, wear parts are well protected from overheating - even at high outputs. Integrated spatter protection within the gas nozzles make these torches particularly resistant and robust. In addition, torch necks and gas nozzles are nickel-plated to prevent the formation of weld spatter.

Key Benefits for air and liquid cooled MIG/MAG torches by Böhler Welding

- » High quality and durability
- » Reliable solution offering premium performance, robustness, endurance and an increase of productivity
- » Robust wear parts ensuring minimum shielding gas loss and long-life cycle
- » Advanced ergonomic design ensures good comfort in all welding positions
- » Easy maintenance and replacement of wear parts

AIR COOLED TORCHES

Product	Technical data (EN 60 974-7)
Air cooled (available in 3 m & 4 m versions)	
Böhler MT 150 G - Böhler MT 150 G U/D	<ul style="list-style-type: none"> » Load: 170 A CO₂, 170 A mixed gas * » Duty cycle: 60 % » Wire-Ø: 0,8-1,0 mm
Böhler MT 250 G - Böhler MT 250 G U/D	<ul style="list-style-type: none"> » Load: 230 A CO₂, 220 A mixed gas * » Duty cycle: 60 % » Wire-Ø: 0,8-1,2 mm
Böhler MT 300 G - Böhler MT 300 G U/D	<ul style="list-style-type: none"> » Load: 280 A CO₂, 260 A mixed gas * » Duty cycle: 60 % » Wire-Ø: 0,8-1,6 mm
Böhler MT 350 G - Böhler MT 350 G U/D	<ul style="list-style-type: none"> » Load: 330 A CO₂, 310 A mixed gas * » Duty cycle: 60 % » Wire-Ø: 0,8-1,6 mm

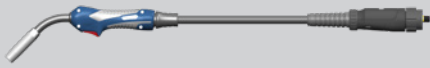

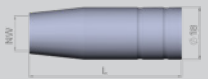

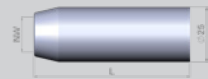
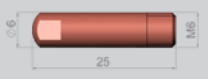
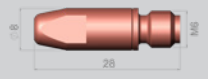
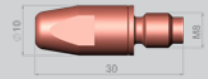

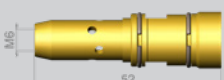
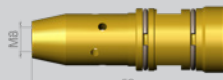

* [M21 (DIN EN ISO 14175)]

Product features	User benefits	High quality spare parts
<ul style="list-style-type: none"> » Light weight and very powerful » Premium performance, high robustness and lifetime » Excellent balance and ergonomic handle with ball joint » Optimal handle grip with soft component » Massive torch neck with double fixations in handle for the toughest operating conditions » Solid fixed slip-on nozzle » Premium nickel plated gas nozzle and thermally highly loadable insulation » Contact tip holder including gas diffusor » Insulated liners as standard to prevent gas loss at the machine side connection » Highly flexible and durable coaxial cable » Light coaxial cable (1/3 lighter than the standard on the market) 	<ul style="list-style-type: none"> » Long lifetime of the torch reduces recurring investment costs » Higher productivity due to high heat resistance » Time saving thanks to easy maintenance and replacement of wear parts » Weight saving considerably reduces the physical strain on welders, especially for longer seams or difficult accessibility » High working comfort for all welding positions (even in positional welding) » Time saving through quick change and proper fixation of slip-on nozzle during hot welding processes 	<ul style="list-style-type: none"> » Precisely manufactured parts with very tight tolerances ensure stable processes » Gas Nozzle: High quality nickel plating reduces spatter adherence by more than 30%, high temperature loadable » Proper fixed nozzle seat due to snap ring clamping » CuCrZr tips for long lasting and durable wire feeding, "high speed deep drilling" production process enables narrow tolerances and smoother surface for ideal current transfer » Insulated Liner and connection: No gas losses and no disturbance of power sensing » No additional gas diffuser made of synthetic material - less spare parts and cost, more reliable and robust » Torch body: Double fixation protect the neck against mechanical damage



BÖHLER MIG/MAG TORCHES

BÖHLER MT XXX G (AIR COOLED)

Torch types - BÖHLER MT		150 G	250 G	300 G	350 G
Standard					
		M6	M6	M8	M8
	3 m	81.05.56638	81.05.72767	81.05.72781	81.05.72795
	4 m	81.05.56639	81.05.72778	81.05.72783	81.05.72807
U/D					
		M6	M6	M8	M8
	3 m	81.05.001	81.05.033	81.05.035	81.05.037
	4 m	81.05.002	81.05.034	81.05.036	81.05.038
Wear and spare parts		for 150 G - 150 G U/D	for 250 G - 250 G U/D	for 300 G - 300 G U/D - 350 G - 350 G U/D	
Gas nozzle (5 pcs.)		 NW12 / L = 53 / Ø 18	 NW16 / L = 70 / Ø 22	 NW16 / L = 72 / Ø 25	
		82.16.56739	82.16.56740	82.16.56752	
Contact tip (10 pcs.)		 Ø 6 / L = 25	 Ø 8 / L = 28	 Ø 10 / L = 30	
		M6	M6	M8	
Contact tip ECu	Ø 0.8	82.16.56810	82.16.72939	82.16.72936	
	Ø 1.0	82.16.56811	82.16.72940	82.16.72937	
	Ø 1.2		82.16.72947	82.16.72938	
Contact tip CuCrZr	Ø 0.8		82.16.73098	82.16.72948	
	Ø 1.0		82.16.73102	82.16.72983	
	Ø 1.2		82.16.73107	82.16.72989	
	Ø 1.6			82.16.73014	
Contact tip ECu for aluminium wire	Ø 0.8	82.16.63433	82.16.73026	82.16.73061	
	Ø 1.0	82.16.63434	82.16.73043	82.16.73073	
	Ø 1.2		82.16.73055	82.16.73086	
	Ø 1.6			82.16.73087	
Contact tip holder / brass (5 pcs.)		 M8x1 / L = 50	 M10x1 / L = 52	 M12x1 / L = 53	
		M6	M6	M8	
		82.16.56772	82.16.72917	82.16.72921	
Nozzle spring (100 pcs.)					
		82.16.61431			

SELECT A GUIDE

FULL POWER IN YOUR HAND





LIQUID COOLED TORCHES

Product	Technical data (EN 60 974-7)
Liquid cooled (available in 3 m & 4 m versions)	
Böhler MT 440 W - Böhler MT 440 W U/D	<ul style="list-style-type: none"> » Load: 500 A CO₂, 450 A mixed gas * » Duty cycle: 100 % » Wire-Ø: 0,8-1,6 mm
Böhler MT 540 W - Böhler MT 540 W U/D	<ul style="list-style-type: none"> » Load: 600 A CO₂, 550 A mixed gas * » Duty cycle: 100 % » Wire-Ø: 0,8-1,6 mm




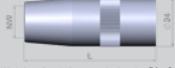

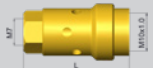
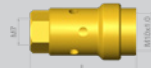
* [M21 (DIN EN ISO 14175)]

Product features	User benefits	High quality spare parts
<ul style="list-style-type: none"> » Premium performance, high robustness and lifetime » Excellent balance and ergonomic handle with ball joint » Optimal handle grip with soft component » Massive torch neck with triple fixations in handle for the toughest operating conditions » Premium nickel plated gas nozzle and thermally highly loadable insulation » Long gas transport distance for excellent consistent gas coverage » Contact tip holder including gas diffuser » Insulated liners as standard to prevent gas loss at the machine side connection » One flexible cable assembly for all liquid cooled torches without separate gas hose 	<ul style="list-style-type: none"> » High load limits allow to use a high range of different wires for welding » Higher productivity due to high heat resistance » Long lifetime of the torch reduces recurring investment costs » Time saving thanks to easy maintenance and replacement of wear parts » High working comfort for all welding positions (even in positional welding) » Reduction of storage and maintenance costs due to the use of the same hoses and cables for both liquid cooled torches 	<ul style="list-style-type: none"> » Precisely manufactured parts with very tight tolerances ensure stable processes » Gas Nozzle high quality nickel-plated nozzle reduces spatter adhesion by more than 30%. » CuCrZr tips for long lasting and durable wire feeding, "high speed deep drilling" production process enables narrow tolerances and smoother surface for ideal current transfer » Insulated Liner and connection: No gas losses and no disturbance of power sensing. » No additional gas diffuser made of synthetic material - less spare parts and cost, more reliable and robust » Torch body: Triple fixation protect the neck against mechanical damage » Cable assembly: Solid and robust threaded connections.

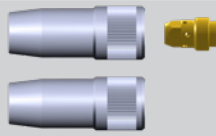


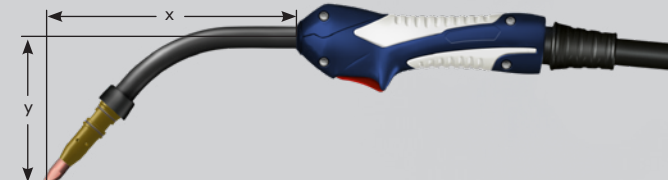
BÖHLER MIG/MAG TORCHES

BÖHLER MT XXX W (LIQUID COOLED)

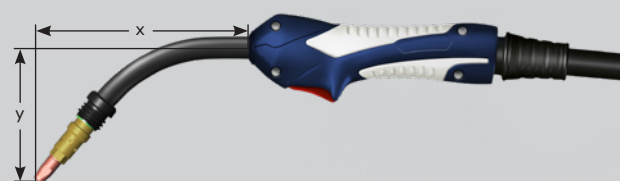
Torch types - BÖHLER MT		440 W	540 W
Standard			
		M8	M8
	3 m	81.05.72812	81.05.72860
	4 m	81.05.72826	81.05.72878
U/D			
		M8	M8
	3 m	81.05.039	81.05.041
	4 m	81.05.040	81.05.042
Wear and spare parts		for 440 W - 440 W U/D	for 540 W - 540 W U/D
Gas nozzle (5 pcs.)		 NW14.5 / L = 66 / Ø 22	 NW16 / L = 66 / Ø 24
		82.16.56753	82.16.56755
Contact tip (10 pcs.)		 Ø10 / L = 30	
		M8	
Contact tip ECU	Ø 0.8	82.16.72936	
	Ø 1.0	82.16.72937	
	Ø 1.2	82.16.72938	
Contact tip CuCrZr	Ø 0.8	82.16.72948	
	Ø 1.0	82.16.72983	
	Ø 1.2	82.16.72989	
	Ø 1.6	82.16.73014	
Contact tip ECU for aluminium wire	Ø 0.8	82.16.73061	
	Ø 1.0	82.16.73073	
	Ø 1.2	82.16.73086	
	Ø 1.6	82.16.73087	
Contact tip holder / brass (5 pcs.)		 M10x1 / L = 28	 M10x1 / L = 28.5
		M8	M8
		82.16.72926	82.16.72931

WEAR AND SPARE PARTS

Heavy duty wear part sets	
HD gas nozzle set MT 540 W (2 pcs. HD gas nozzle, 1 pc. contact tip holder)	 <p>M8</p> <p>82.16.72932</p>



Torch neck MT xxx G	150 G - 150 G U/D	250 G - 250 G U/D	300 G - 300 G U/D	350 G - 350 G U/D
Torch neck + Contact tip holder				
Geometry	45°	45°	45°	45°
X x Y (mm)	120 x 80	140 x 85	150 x 85	180 x 105
	M6	M6	M8	M8
	82.04.70962	82.04.72933	82.04.72934	82.04.72935


Torch neck spares	for 150 G - 150 G U/D	for 250 G - 250 U/D	for 300 G - 300 G U/D - 350 G - 350 G U/D
Protection cap (10 pcs.)	82.08.70513		82.08.70534
Connection piece halves (1 pair)	82.08.70255		-
Head insulation (5 pcs.)	82.08.70424	82.08.70440	82.08.70441





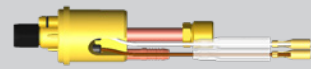
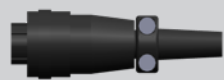

Torch neck MT xxx W	440 W - 440 W U/D	540 W - 540 W U/D
Torch neck (excl. Contact tip holder)		
Geometry	50°	50°
X x Y (mm)	140 x 95	160 x 95
	82.04.70991	82.04.70992

Torch neck spares	for 440 W - 440 W U/D - 540 W - 540 W U/D
Insulating disc (10 pcs.)	82.08.70466
O-ring (red) (20 pcs.)	82.08.70477



Liner for air-cooled and liquid-cooled torches MT line



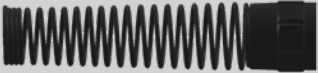



Liner (1 pcs.) for air-cooled and liquid-cooled torches MT Line				
		neutral	PTFE (for stainless steel wire)	Carbon-PTFE (for aluminium wire)
Liner 3 m	Ø 0.8	82.16.56840	82.16.62197	82.16.62205
	Ø 1.0 / 1.2	82.16.56849	82.16.62200	82.16.62207
	Ø 1.6	82.16.56876	82.16.62202	82.16.62209
Liner 4 m	Ø 0.8	82.16.56846	82.16.62198	82.16.62206
	Ø 1.0 / 1.2	82.16.56875	82.16.62201	82.16.62208
	Ø 1.6	82.16.56877	82.16.62204	82.16.62210
Liner (1 pcs.) for air-cooled and liquid-cooled torches MT Line				
		Combi-Liner AI (PTFE/Brass)	Combi-Liner AI (Carbon-PTFE/Brass)	
Liner 3 m	Ø 0.8	82.16.70229	82.16.70121	
	Ø 1.0 / 1.2	82.16.70161	82.16.70176	
	Ø 1.6	82.16.70155	82.16.73108	
Liner 4 m	Ø 0.8	82.16.70230	82.16.70152	
	Ø 1.0 / 1.2	82.16.70215	82.16.70224	
	Ø 1.6	82.16.70159	82.16.73111	


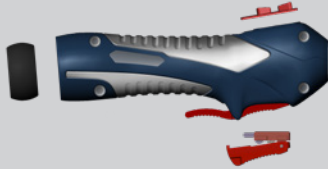




Cable assembly		Standard		U/D	
Cable assembly MT xxx G					
		Light-weight - 2-pole		Light-weight - 5-pole	
		3 m	4 m	3 m	4 m
Bikox MT 150 G	R18	82.08.70007	82.08.70008	82.08.70017	82.08.70031
Bikox MT 250 G	R28	82.08.70032	82.08.70033	82.08.70035	82.08.70036
Bikox MT 300 G	R42	82.08.70039	82.08.70040	82.08.70041	82.08.70045
Bikox MT 350 G	R53	82.08.70047	82.08.70048	82.08.70049	82.08.70052
Cable assembly MT xxx W					
		3 m	4 m	3 m	4 m
		82.08.70064	82.08.70071	82.08.70075	82.08.70078

Connection housing / Central connector		for MT xxx G	for MT xxx G U/D	for MT xxx W	for MT xxx W U/D
Connection housing incl. Bayonet (1 pc.)					
		82.09.63453	82.09.70234	82.09.63454	
Central connector (1 pc.)					
		82.09.70096		82.09.70100	
Hexagon nut (10 pcs.)	M10x1	82.08.70468			-
Connection nut	M33x2		82.08.70237		
Nut (5 pcs.)	M10x1		82.08.70439		
O-Ring (black) (20 pcs.)	4x1		82.08.70474		
vaBW plug - 7-pole					
			10.05.034		
Controle lead with vaBW plug - 7-pole					
			82.08.70279		

Cable assembly components - MT xxx G				
Cable support (for connection housing side)				
		MT 150 G - 250 G DN19	MT 300 G - 350 G DN21	MT 350 G U/D DN22.5
		82.08.70308	82.08.70309	82.08.70328
Cable support (for handle side)				
		MT xxx G - DN17 - 22		
		82.08.70330		

Cable assembly components - MT xxx W				
Power cable PVC		3 m		4 m
				
		82.08.70497		82.08.70512
Wire conduit with crimping sleeve		3 m		4 m
				
		82.08.70641		82.08.70642

Cable assembly components - MT xxx W			
Control lead with connectors		3 m	4 m
			
		82.08.70266	82.08.70267
Hose clip (20 pcs.)	D 9 mm	82.08.70442	
Outer cover with cable support (handle side)		3 m	4 m
			
		82.08.70479	82.08.70480
Cable support			
		spring	sleeve (10 pcs.)
		82.08.70062	82.08.70058
Fastener cap (20 pcs.)			
		blue	red
		82.08.70384	82.08.70401
Exchange support		for power water cable	for wire conduit - gas hose
		82.08.70342	82.08.70333

Handle set, lever trigger, TPE-insert, controle module			
Handle set			
		Standard	U/D
		handle, lever trigger (standard and long), ball-joint, screws, insert nuts and stickers	handle, Controle module U/D, TPE insert U/D, lever trigger (standard and long), ball-joint, screws, insert nuts and stickers
	82.07.63452	82.07.70415	
Lever trigger (2 pcs.)			
		standard	long
		82.08.63431	82.08.63432
Controle module U/D			
		82.08.70303	
TPE insert U/D - BIS-52 (2 pcs.)			
		82.08.70639	



JOIN! voestalpine Böhler Welding

We are a leader in the welding industry with over 100 years of experience, more than 50 subsidiaries and more than 4,000 distribution partners around the world. Our extensive product portfolio and welding expertise combined with our global presence guarantees we are close when you need us. Having a profound understanding of your needs enables us to solve your demanding challenges with Full Welding Solutions - perfectly synchronized and as unique as your company.



Lasting Connections – Perfect alignment of welding machines, consumables and technologies combined with our renowned application and process know-how provide the best solution for your requirements: A true and proven connection between people, products and technologies. The result is what we promise: Full Welding Solutions for Lasting Connections.



Tailor-Made Protectivity™ – Proven under the toughest conditions: Our products protect metal surfaces from wear and corrosion. With over 70 years of experience and the broadest product portfolio in the industry, we are your preferred partner for Surface Protection solutions. We deliver what we promise: Surface Protection tailored to your needs.



In-Depth Know-How – As a manufacturer of soldering and brazing consumables, we offer proven solutions based on 60 years of industrial experience, tested processes and methods, made in Germany. This in-depth know-how makes us the internationally preferred partner to solve your soldering and brazing challenge through innovative solutions. The result is what we promise: Innovation based on in-depth know-how.

The Management System of voestalpine Böhler Welding Group GmbH, Peter-Mueller-Strasse 14-14a, 40469 Duesseldorf, Germany has been approved by Lloyd's Register Quality Assurance to: ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007, applicable to: Development, Manufacturing and Supply of Welding and Brazing Consumables. More information: www.voestalpine.com/welding



