



Lasting Connections

# WELDCARE CATALOGUE 2020/21



voestalpine Böhler Welding  
[www.voestalpine.com/welding](http://www.voestalpine.com/welding)

voestalpine

ONE STEP AHEAD.

# YOUR SAFETY. OUR PASSION.



weldCare - As a passionate developer of innovative products we are the ideal partner and solution provider for safe welding. We put the welder's daily challenges and highest expectations into the center of our activities. This creates trust into our products and guarantees effective protection, outstanding quality and excellent comfort in accomplishing the welder's tasks.

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PERSONAL  
PROTECTIVE  
EQUIPMENT

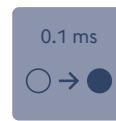
# WELDING HELMETS

BÖHLER Guardian helmets are designed for a wide range of welding and grinding applications. In the focus of product development is the welders' expectation for high-quality, comfortable and durable products. This means light weight products down to 480 grams with a robust headgear covered by soft sweatbands and highest ADF clarity with true colour technology. Your safety is our passion and drives our R&D department to provide innovative products to our costumers.

BÖHLER Guardian<sup>62</sup> - designed for highest expectations:



Variable  
Shade



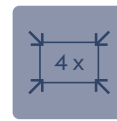
Switching  
Speed at  
23 C/73.4 F



Grind  
Mode



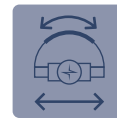
True  
Colour



Four  
Sensors



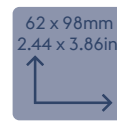
EN379 -  
classification



Comfort  
Headgear



Quick  
release  
ADF  
Cartridge



Large  
Viewing  
Area



Light  
Weight

# WELDING HELMETS

## **BÖHLER Guardian<sup>50</sup>**

High Impact Nylon Shell  
Comfort-Headgear with longitudinal and angular adjustments, smooth ratchet  
ADF: Shade 4, 9-13, 50 x 100 mm viewing area and 4 arc sensors  
True colour  
EN 379 classification 1/1/1/2  
Grind mode via external switch

**BÖHLER Guardian<sup>50</sup>**

32371



## **BÖHLER Guardian<sup>62</sup>**

High Impact Nylon Shell  
Comfort-Headgear with longitudinal and angular adjustments, smooth ratchet  
ADF: Shade 4, 5-9/9-13, 62 x 98 mm viewing area and 4 arc sensors  
True colour with Best-In-Class-Clarity  
EN 379 classification 1/1/1/2  
Grind mode via external switch  
Lightweight at 480 gram

**BÖHLER Guardian<sup>62</sup>**

32373



## **BÖHLER Guardian<sup>62</sup> - Camouflage (Special Edition)**

High Impact Nylon Shell  
Comfort-Headgear with longitudinal and angular adjustments, smooth ratchet  
ADF: Shade 4, 5-9/9-13, 62 x 98 mm viewing area and 4 arc sensors  
True colour with Best-In-Class-Clarity  
EN 379 classification 1/1/1/2  
Grind mode via external switch  
Lightweight at 480 gram

**BÖHLER Guardian<sup>62</sup> Camouflage (Special Edition)**

52620



## **BÖHLER Guardian<sup>62F</sup>**

Our welding helmet combines the technical advantages of the Guardian<sup>62</sup> with flip-up mechanism. The perfect solution for welding and grinding applications.

**BÖHLER Guardian<sup>62F</sup>**

32374



# WELDING HELMETS TO USE WITH BÖHLER RESPIRATORY SYSTEMS



## **BÖHLER Guardian<sup>62</sup> Air**

Welding helmet with adjustable air outlets inside the helmet, face-seal and air duct.  
ADF: Shade 4, 5-9/9-13, 62 x 98 mm viewing area  
EN 379 classification 1/1/1/2

**BÖHLER Guardian<sup>62</sup> Air**

**57007**



## **BÖHLER Guardian<sup>62F</sup> Air**

Flip-up welding helmet with adjustable air outlets inside the helmet, face-seal and air duct.  
ADF: Shade 4, 5-9/9-13, 62 x 98 mm viewing area  
EN 379 classification 1/1/1/2

**BÖHLER Guardian<sup>62F</sup> Air**

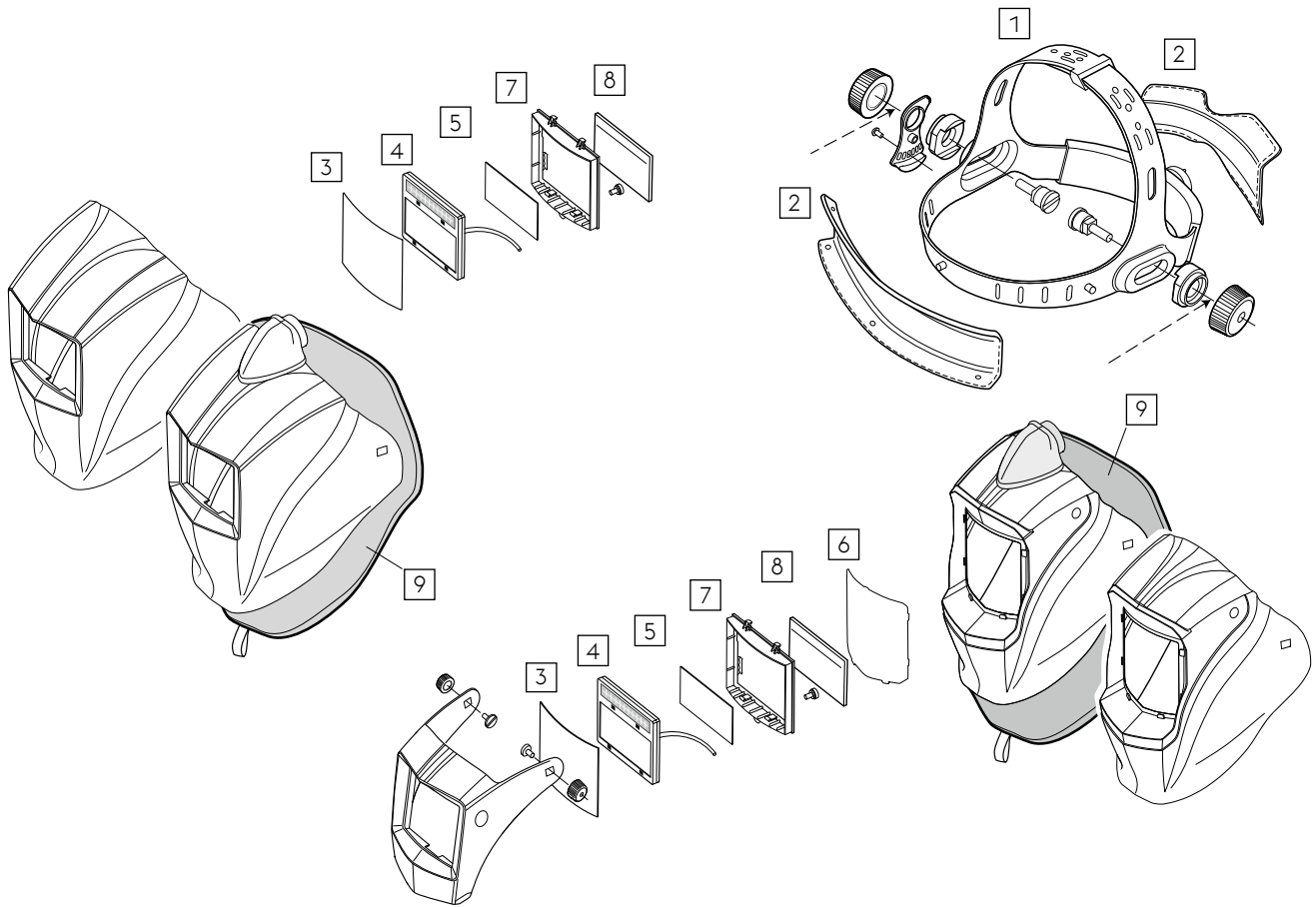
**57029**

Two main air streams for an optimized clean air supply to the breathing zone



Adjustable outlet to easily adjust the airflow to your forehead

# SPARE PARTS FOR ALL WELDING HELMETS



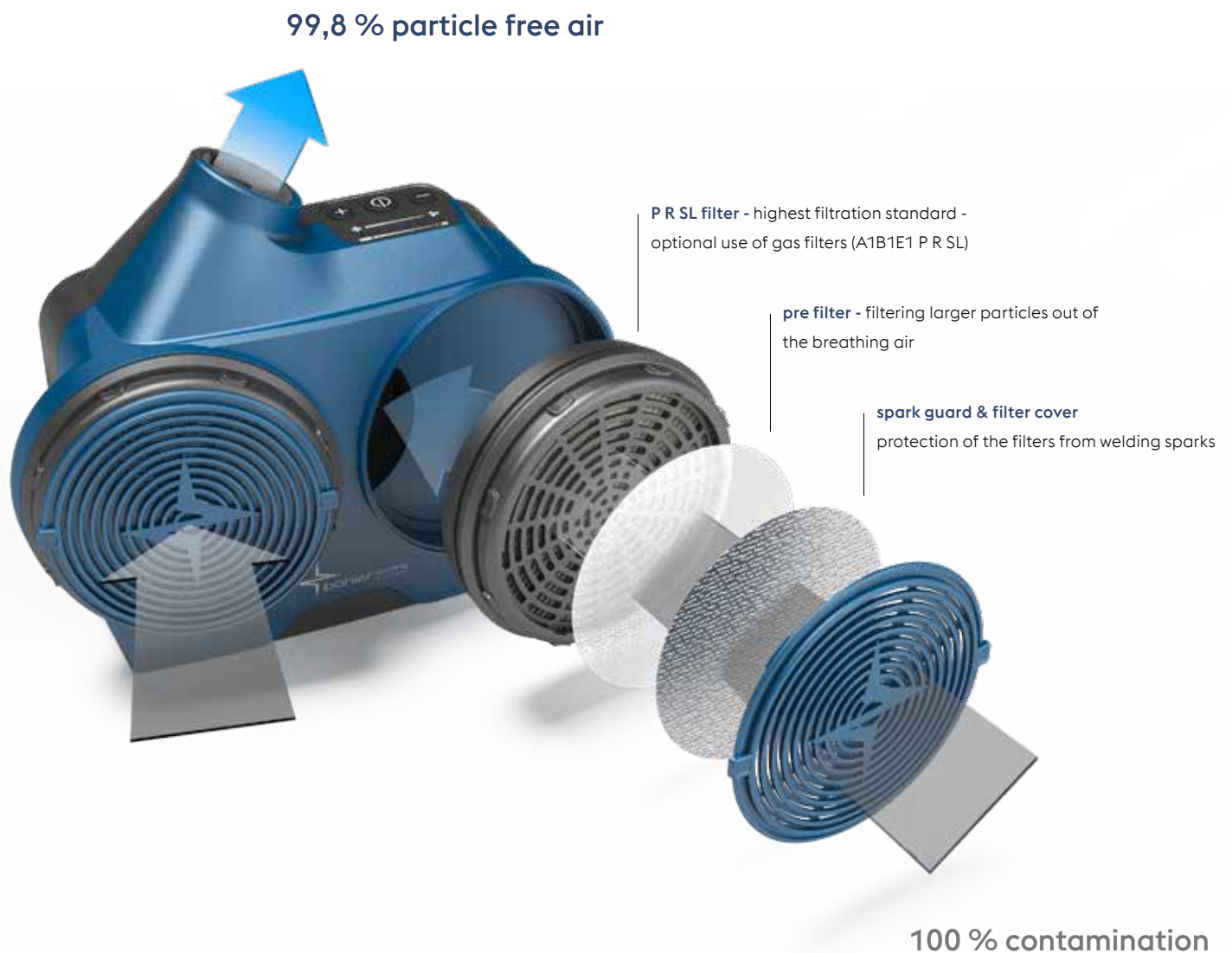
Product Name	BÖHLER Guardian					
	50	62	62F	62 Air	62F Air	
1 Headgear BÖHLER	•	•	•	•	•	32406
2 Sweatband (Front and rear)	•	•	•	•	•	32416
3 Front cover lens (10 pieces)	•	•	•	•	•	32423
4 ADF Guardian <sup>62, 62F</sup> (excl. battery ADF CR2450)		•	•	•	•	63635
5 Inner lens Guardian <sup>50</sup> (5 pieces)	•					32425
Inner lens Guardian <sup>62, 62F</sup> (5 pieces)		•	•	•	•	32433
6 Grinding visor Guardian <sup>62F</sup> (2 pieces)			•		•	32437
7 ADF retainer and screw Guardian <sup>62, 62F</sup>		•	•	•	•	32442
ADF retainer and screw Guardian <sup>50</sup>	•					32443
8 Diopter 1.0	•	•	•	•	•	32444
Diopter 1.5	•	•	•	•	•	32445
Diopter 2.0	•	•	•	•	•	32452
Diopter 2.5	•	•	•	•	•	32456
9 Helmet face seal				•	•	57182
* Battery ADF CR2450	•	•	•	•	•	32517

\*not pictured in the graphic above

# WELDING RESPIRATORY SYSTEMS

## BÖHLER Air

BÖHLER Air is our Powered Air-Purifying Respiratory (PAPR)-System that provides the welder with the best protection against particles and fumes related to welding and grinding applications. It supplies the welder with a constant airflow. The system is equipped with an audio, visual and vibration alarm to inform the user about low battery as well as filters needed to be changed. BÖHLER Air is tested and certified according to EN12941 with the highest protection class TH3.





## User Benefits



For a reliable protection of your respiratory tract



Fast & easy filter change - for an extended protection against harmful gases



Shoulder harness for an ergonomic wearing comfort and an ideal weight distribution



Ensures an operating time of up to 14 hours



Stay and be safe - with a visual, audible and vibrating warning system



For a perfect airflow setting according to your personal need

## Technical Specifications

- » Particle filters (P R SL) or optional use of gas filters (A1B1E1 P R SL)
- » Standard: EN 12941 protection class TH3
- » Operating time: Up to 14 h for the heavy-duty battery 7.800 mAh (new P R SL filters, fully charged battery and lowest air flow)
- » Flow rate 180 - 230 l/min - adjustable at 6 levels
- » Warning system (alarm): Visual, audible and vibrating warning for low airflow and/or low battery charge
- » Flow control system maintains level of airflow constant regardless filter clogging or battery charge
- » High quality ball-bearing brushless motor
- » Exchangeable Li-Ion Battery 7.4 V / 7.800 mAh / 57,72 Wh - 6 cells
- » Charging time: 8 - 9 hours - battery lifespan will decrease to 80 % after 500 charging cycles
- » Universal charger microprocessor controlled: 100 - 240 V (50/60 Hz)

# WELDING RESPIRATOR SYSTEMS



## BÖHLER Guardian<sup>62 Air</sup> Complete

A full and ready to use kit of the BÖHLER Air (Complete Blower Kit) with a BÖHLER Guardian<sup>62 Air</sup> helmet in a comfortable BÖHLER bag.

**BÖHLER Guardian<sup>62 Air</sup> Complete**

**56997**



## BÖHLER Guardian<sup>62F Air</sup> Complete

A full and ready to use kit of the BÖHLER Air (Complete Blower Kit) with a BÖHLER Guardian<sup>62F Air</sup> helmet in a comfortable BÖHLER bag.

**BÖHLER Guardian<sup>62F Air</sup> Complete**

**57003**



## BÖHLER Air (Complete Blower Kit)

Ready to use kit, including motor unit, flexible air hose, heavy-duty battery (7.800 mAh), universal charger, comfort belt, shoulder harness, P R SL filters and pre-filters, spark guards and airflow tester.

**BÖHLER Air (Complete Blower Kit)**

**57037**



## BÖHLER Supplied Air \*

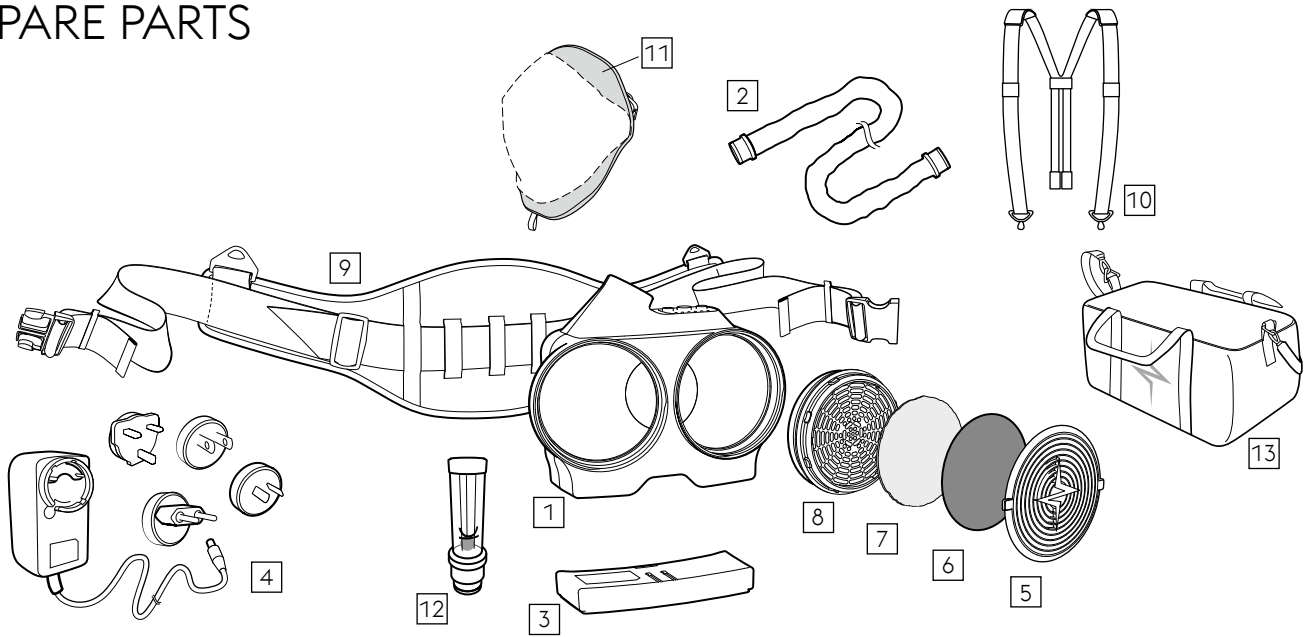
A full and ready to use kit of the BÖHLER Air respiratory system for pressured air supply.

**BÖHLER Supplied Air\***

**57038**

\*available in December 2020

# SPARE PARTS



	Article	
1	BÖHLER Air motor unit	57044
2	Flexible air hose	57065
3	Heavy-duty battery (7.800 mAh)	57075
4	Universal charger	57081
5	Filter cover	57082
	(2 pieces)	
6	Spark guard	57089
	(2 pieces)	
7	Pre-filter	57097
	(20 pieces)	
	(40 pieces)	57099

	Article	
8	Particle filter P R SL	57106
	(4 pieces)	
	(16 pieces)	57120
8	Gas filter A1B1E1 P R SL	57127
	(2 pieces)	
9	Comfort belt	57144
	Belt extension (265 mm)	64255
10	Shoulder harness	57146
11	Helmet face-seal	57182
	for Guardian 62 Air, 62F Air	
12	Airflow tester	57184
13	BÖHLER bag	57186

# WELDING GLOVES

"Nothing is closer to the welder than the welding gloves. They must be protective on the outside and comfortable on the inside." - Our BÖHLER welding gloves are designed to meet these expectations by selecting high quality leather suppliers, a controlled eco-friendly production process and our intention for a perfect fit.



## EUROPEAN LEATHER AND ECO-FRIENDLY PRODUCTION

Only using raw leather from Europe for full control of material and tanning process to achieve high quality products.

## HARMLESS TO HEALTH

Materials and products used in and for our Welding Gloves comply with the REACH regulation.

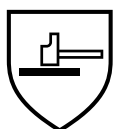
## COW & GOAT LEATHER

The right use of split and grain leather from cow and goat combined with perfect shape guarantees products of highest quality.

### Regulations:

#### PPE Regulation (EU) 2016/425 – Category II

Our gloves are marked with a pictogram showing the protection properties according to the standards. All category II gloves are tested, validated and type certified by a notified body.



#### EN 388

Requirements for protection against mechanical risks, for maintenance work, plant cleaning, work with tools, metal structural work, handling of metal profiles, grinding and/or removal of burr, carpentry, handling of objects with sharp corners and of rough or abrasive objects.

#### EN 388:2019

abrasion	1-4
resistance to cutting	1-5
resistance to tearing	1-4
resistance to perforation	1-4



#### EN 407

Requirements for protection against heat risks, for occasional contact with small flames and for contact with hot objects at temperatures not exceeding 100 °C.

#### EN 407:2004

reaction to flame	1-4
contact heat	1-4
convective heat	1-4
radiating heat	1-4
splattering with small quantities of molten metal	1-4



#### EN 420

General requirements for most protective gloves:

- » Test methods
- » Design principals and glove assembly
- » Size
- » Maintenance
- » Harmfulness (determination of pH and Chrome VI content)
- » Marking and information to be provided by the manufacturer

# GLOVES MODELS



## BÖHLER Welding Gloves MIG/MAG

With 1,1-1,3 mm split leather thickness, our MIG/MAG welding gloves provide an excellent protection to the welder.  
Category II (according to European Directive (EU) 2016/425), CE-confirm and fulfilling the following standards: EN 388 (4,2,3,4), EN 407 (4,1,3,2,4), EN 420 (Dexterity level 3), EN 12477 (Type A)

BÖHLER Welding Gloves MIG/MAG M/9	61134
BÖHLER Welding Gloves MIG/MAG L/10	53043
BÖHLER Welding Gloves MIG/MAG XL/11	53089



## BÖHLER Welding Gloves MIG/MAG Premium

With the combination of goat and cow leather and an optimized shape these MIG/MAG Premium welding gloves provide the perfect fit.  
Category II (according to European Directive (EU) 2016/425), CE-Confirm and fulfilling the following standards: EN 388 (2,1,2,2), EN 407 (4,1,3,2,4), EN 420 (Dexterity level 5), EN 12477 (Type A)

BÖHLER Welding Gloves MIG/MAG Premium M/9	61137
BÖHLER Welding Gloves MIG/MAG Premium L/10	53095
BÖHLER Welding Gloves MIG/MAG Premium XL/11	60310



## BÖHLER Welding Gloves TIG

These TIG welding gloves are designed for perfect haptic feeling supporting a precise welding work.  
Category II (according to European Directive (EU) 2016/425), CE-confirm, fulfilling the following standards: EN 388 (2,1,2,2), EN 407 (4,1,3,2,4), EN 420 (Dexterity level 3), EN 12477 (Type A)

BÖHLER Welding Gloves TIG S/8	61139
BÖHLER Welding Gloves TIG M/9	53026
BÖHLER Welding Gloves TIG L/10	53029



## BÖHLER Welding Gloves TIG reinforced

The additional layer of goat leather on the wrist provides better protection against contact heat.  
Category II (according to European Directive (EU) 2016/425), CE-confirm, fulfilling the following standards: EN 388 (2,1,2,2), EN 407 (4,1,3,2,4), EN 420 (Dexterity level 3), EN 12477 (Type A)

BÖHLER Welding Gloves TIG reinforced S/8	61158
BÖHLER Welding Gloves TIG reinforced M/9	53033
BÖHLER Welding Gloves TIG reinforced L/10	60309

# EYEWEAR

All of our BÖHLER Eyewear models are designed for the use in industrial environments with a variety of glasses certified according to EN 166 F.

## Benefits of Eyewear

- » High comfort, long living and protective against UV-light according to DIN EN 170
- » Approved according to CE, EN 166 F
- » Microfiber pouch for storage and cleaning

BÖHLER Eyewear Clear Pro	
BÖHLER Clear Pro with	
» large temples and soft pads for better elasticity and comfort	
» hard coating on lenses with anti-fog properties	
» upper shield above the lense to increase protective coverage against falling particles	
Eyewear BÖHLER Clear Pro	52882
BÖHLER Eyewear Classic	
BÖHLER Eyewear Clear	32457
UTP Eyewear Clear	32467
Fontargen Eyewear Clear	32477
for general industrial use	
BÖHLER Eyewear Amber	32458
UTP Eyewear Amber	32468
Fontargen Eyewear Amber	32484
for areas with less light	
BÖHLER Eyewear Blue Mirror	32464
UTP Eyewear Silver Mirror	32469
Fontargen Eyewear Silver Mirror	32486
for outdoor industrial use with sun protection	
BÖHLER Eyewear IR5	32466
UTP Eyewear IR5	32475
Fontargen Eyewear IR5	32496
glasses are classified according to EN 169	





ACCESSORIES  
PORTFOLIO

# WELDING TORCHES MIG/MAG

## 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

## WELDING TORCHES MIG/MAG

<b>BÖHLER MT xxx G (air cooled)</b>			
Type	Technical Data (EN 60 974-7)	Length	Art.-No.
BÖHLER MT 150 G	Load: 170 A CO <sub>2</sub> , 170 A mixed gas * Duty cycle: 60 % Wire-Ø: 0,8–1,0 mm	3 m	56638
		4 m	56639
BÖHLER MT 250 G	Load: 230 A CO <sub>2</sub> , 220 A mixed gas * Duty cycle: 60 % Wire-Ø: 0,8–1,2 mm	3 m	56641
		4 m	56652
BÖHLER MT 300 G	Load: 280 A CO <sub>2</sub> , 260 A mixed gas * Duty cycle: 60 % Wire-Ø: 0,8–1,6 mm	3 m	56655
		4 m	56657
BÖHLER MT 350 G	Load: 330 A CO <sub>2</sub> , 310 A mixed gas * Duty cycle: 60 % Wire-Ø: 0,8–1,6 mm	3 m	56658
		4 m	56702

\* M21 (DIN EN ISO 14175)






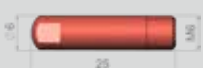







<b>BÖHLER MT xxx W (liquid cooled)</b>			
Type	Technical Data (EN 60 974-7)	Length	Art.-No.
BÖHLER MT 440 W	Load: 500 A CO <sub>2</sub> , 450 A mixed gas * Duty cycle: 100 % Wire-Ø: 0,8–1,6 mm	3 m	56716
		4 m	56728
BÖHLER MT 540 W	Load: 600 A CO <sub>2</sub> , 550 A mixed gas * Duty cycle: 100 % Wire-Ø: 0,8–1,6 mm	3 m	56729
		4 m	56730

\* M21 (DIN EN ISO 14175)









# WEAR AND SPARE PARTS

## BÖHLER MT xxx G (air cooled)

Wear and spare parts		for MT 150 G	for MT 250 G	for MT 300 G/ MT 350 G
Gas nozzle (5 pcs.)		 NW12 / L = 53 / Ø 18	 NW16 / L = 70 / Ø 22	 NW16 / L = 72 / Ø 25
		56739	56740	56752
Contact tip (10 pcs.)		 M6 / Ø 6 / L = 25	 M7 / Ø 8 / L = 28	 M7 / Ø 10 / L = 30
Contact tip ECU	Ø 0,8	56810	60596	56812
	Ø 1,0	56811	60598	56814
	Ø 1,2		60605	56817
Contact tip CuCrZr	Ø 0,8		63443	56820
	Ø 1,0		63444	56824
	Ø 1,2		63445	56831
	Ø 1,6			56839
Contact tip ECU for aluminium wire	Ø 0,8	63433	63435	63438
	Ø 1,0	63434	63436	63439
	Ø 1,2		63437	63440
	Ø 1,6			63442
Nozzle spring (100 pcs.)		 61431		
Contact tip holder / brass (5 pcs.)		 M6 / M8x1 / L = 50	 M7 / M10x1 / L = 52	 M7 / M12x1 / L = 53
		56772	56775	56783
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	56840	62197	62205
	Ø 1,0 / 1,2	56849	62200	62207
	Ø 1,6	56876	62202	62209
Liner 4 m	Ø 0,8	56846	62198	62206
	Ø 1,0 / 1,2	56875	62201	62208
	Ø 1,6	56877	62204	62210

## BÖHLER MT xxx W (liquid cooled)

Wear and spare parts		for MT 440 W	for MT 540 W	
Gas nozzle (5 pcs.)		 NW14,5 / L = 66 / Ø 22	 NW16 / L = 66 / Ø 24	
		56753	56755	
Contact tip (10 pcs.)		 M7 / Ø10 / L = 30		
Contact tip ECu	Ø 0,8	56812		
	Ø 1,0	56814		
	Ø 1,2	56817		
Contact tip CuCrZr	Ø 0,8	56820		
	Ø 1,0	56824		
	Ø 1,2	56831		
	Ø 1,6	56839		
Contact tip ECu for aluminium wire	Ø 0,8	63438		
	Ø 1,0	63439		
	Ø 1,2	63440		
	Ø 1,6	63442		
Contact tip holder / brass (5 pcs.)		 M7 / M10x1 / L = 28	 M7 / M10x1 / L = 28,5	
		56786	56797	
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	56840	62197	62205
	Ø 1,0 / 1,2	56849	62200	62207
	Ø 1,6	56876	62202	62209
Liner 4 m	Ø 0,8	56846	62198	62206
	Ø 1,0 / 1,2	56875	62201	62208
	Ø 1,6	56877	62204	62210

# WEAR AND SPARE PARTS

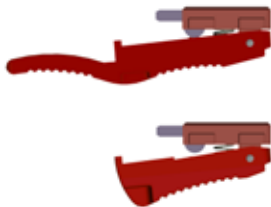


## Heavy-duty gas nozzle set MT 540 W

Set of contact tip holder and two gas nozzles for heavy-duty application on torch type BÖHLER MT 540 W

HD gas nozzle set MT 540 W

63430



## Lever trigger

compatible with all BÖHLER MT torches

Lever trigger standard

63431

Lever trigger long

63432



## Handle set MT

The handle set is compatible with all BÖHLER MT torches (air-cooled and liquid-cooled). The included parts are: handle, lever trigger (standard and long), ball-joint, screws, insert nuts and stickers.

Handle set MT torch line

63452



## Connection Housing

incl. bayonet

Connection Housing MT G torch line (air-cooled)

63453

Connection Housing MT W torch line (liquid-cooled)

63454



# WELDING TORCHES TIG

The range of Böhler Welding TIG torches has been developed in order to offer the welder a work tool with technical-functional characteristics that enhance power source performance and which ensures, in all welding positions, high quality standards in terms of results obtained.



## ST TORCHES

TIG torches are designed to offer the ideal combination of precision and robustness for TIG welding operations. The grip is made from highly resistant material with a non-slip finish.

Excellent ergonomics and light weight make these torches easy to handle and precise in any situation. Particular care has gone into the design of the cable connections to ensure maximum flexibility, low wear and a high number of operating cycles. ST TIG torches are all designed to withstand humidity and harsh environments and to perform superbly even under the most challenging operating conditions.

## DAMP-PROOF CONTROL BUTTON

Damp-proof buttons in soft, silicone rubber, tested for 5,000,000 cycles.

The entire torch is subjected to the most severe resistance tests, including impact and humidity resistance tests, and then checked for full functionality and safety.

## ROBUST MATERIALS

The flexible and robust cable connector is designed to ensure an extended working life, and has been subjected to rigorous cyclic fatigue testing. The torch end of the cable is protected by a soft sheathing that guarantees effortless wrist movement during welding. The polymer based components TIG torches are heat resistant up to 250°C, and effectively prevent damage to the grip's electrical insulation by hot spatter.

## ROTATING TORCH HEAD

Various versions of torch bodies are available to suit different welding operation. The torch head can be rotated through 30° to the left and right of the grip on all models.



## ST UP&DOWN

The ST (single button) series comes with a large, practical control button. Up&Down torch versions give you direct control over welding power. Power sources with welding program memories also let you use the Up&Down button to scroll through available programs. This function is particularly useful when welding conditions make it difficult to control the power source itself. The Up&Down button features a new, ergonomic design that significantly improves comfort and sensitivity, and lets you operate the control with the smallest movements of your finger.



## WELDING TORCHES TIG


Welding Torches TIG (gas cooled)			
Type	Technical Data	4 m	8 m
ST 1500	Load: DC (150 A) Duty cycle: 35 % Wire-Ø: 0,5-2,4 mm	81.32.458	81.32.459
ST 1500 U/D		81.32.461	81.32.462
ST 1700	Load: DC (170 A), AC (140 A) Duty cycle: 35 % Wire-Ø: 0,5-2,4 mm	81.32.061	81.32.062
ST 1700 U/D		81.32.060	81.32.065
ST 2200	Load: DC (220 A), AC (180 A) Duty cycle: 35 % Wire-Ø: 0,5-4,0 mm	81.32.159	81.32.160
ST 2200 U/D		81.32.158	81.32.161



Welding Torches TIG (liquid cooled)			
Type	Technical Data	4 m	8 m
ST 2500	Load: DC (250 A), AC (200 A) Duty cycle: 100 % Wire-Ø: 0,5-4,0 mm	81.32.357	81.32.358
ST 2500 U/D		81.32.359	81.32.360
ST 3000	Load: DC (300 A), AC (240 A) Duty cycle: 100 % Wire-Ø: 0,5-4,0 mm	81.32.559	81.32.560
ST 3000 U/D		81.32.558	81.32.561
ST 4000	Load: DC (400 A), AC (320 A) Duty cycle: 60 % Wire-Ø: 0,5-4,0 mm	81.32.259	81.32.260
ST 4000 U/D		81.32.258	81.32.261



## TUNGSTEN ELECTRODES


Wear Parts			
TIG ROD (10 pcs.)			
		PURE (green)	WS2 (turquoise)
	Ø 1,0	-	82.11.065
	Ø 1,6	82.11.053	82.11.066
	Ø 2,4	82.11.055	82.11.068
	Ø 3,2	82.11.057	82.11.070
	Ø 4,0	82.11.058	82.11.071

# WEAR AND SPARE PARTS

## Compatibility with:

- » ST1700
- » ST1700U/D
- » ST2200
- » ST2200U/D
- » ST3000
- » ST3000U/D
- » ST4000
- » ST4000U/D













Wear & Spare Parts			
Back cap (3 pcs.)			
		Long 82.10.018	Short 82.10.019
Gasket/ O-Ring (10 pcs.)		82.10.020	
Gas Nozzle Body Insulator / Adaptor (3 pcs.)			
		Insulator 82.10.002	Adapter for Gas Lens 82.10.350
Collet (3 pcs.)			
	Ø 1,0	82.10.313	
	Ø 1,6	82.10.314	
	Ø 2,4	82.10.315	
	Ø 3,2	82.10.316	
	Ø 4,0	82.10.317	
Collet Body (3 pcs.)			
		Standard	with Gas Lens
	Ø 0,5 -1,2	82.10.156	-
	Ø 1,0	-	82.10.352
	Ø 1,6	82.10.157	82.10.353
	Ø 2,4	82.10.158	82.10.354
	Ø 3,2	82.10.159	82.10.355
	Ø 4,0	82.10.160	82.10.356
Gas Nozzle, Ceramic (10 pcs.)			
		Standard	for Gas Lens
	Ø 6,4	82.10.163	82.10.357
	Ø 8,0	82.10.164	82.10.358
	Ø 9,8	82.10.166	82.10.359
	Ø 11,2	82.10.168	82.10.360
	Ø 12,7	82.10.170	82.10.361
	Ø 15,7	82.10.161	-
	Ø 17,2	-	82.10.362
Ø 19,0	82.10.162	-	

**Compatibility with:**

- » ST1500
- » ST1500U/D
- » ST2500
- » ST2500U/D



Wear & Spare Parts				
Back cap (3 pcs.)				
		Long 82.10.064	Medium 82.10.065	Short 82.10.066
Gasket/ O-Ring (10 pcs.)		82.10.067		
Gas Nozzle Body Insulator (3 pcs.)		82.10.068		
Collet (3 pcs.)				
	Ø 0,5	82.10.200		
	Ø 1,0	82.10.201		
	Ø 1,6	82.10.203		
	Ø 2,0	82.10.204		
	Ø 2,4	82.10.205		
Collet Body (3 pcs.)				
		Standard	with Gas Lens	
	Ø 0,5	-	82.10.363	
	Ø 0,5 - 1,0	82.10.210	-	
	Ø 1,0	-	82.10.364	
	Ø 1,6	82.10.212	82.10.365	
	Ø 2,0	82.10.213	-	
	Ø 2,4	82.10.214	82.10.366	
Ø 3,2	82.10.215	82.10.367		
Gas Nozzle, Ceramic (10 pcs.)				
		Standard	for Gas Lens	
	Ø 6,4	82.10.221	82.10.368	
	Ø 8,0	82.10.225	82.10.369	
	Ø 9,8	82.10.228	82.10.370	
	Ø 11,2	82.10.230	82.10.371	
	Ø 12,7	82.10.231	82.10.372	
Ø 15,7	82.10.220	-		

# WELDING TOOLS



## BÖHLER EH Snap

Electrode holder in crocodile style with fully insulated handle and lever, spatter resistant tip insulator. Certified according to EN 60974-11 standard

**BÖHLER EH Snap 200**, 200 Amp (35 %), 5 mm opening **61469**

**BÖHLER EH Snap 400**, 400 Amp (35 %), 6 mm opening **61473**

**BÖHLER EH Snap 600**, 600 Amp (35 %), 8 mm opening **61474**



## BÖHLER EH Twist

Screw-type electrode holder with fully insulated handle and spatter resistant tip insulator. Certified according to EN 60974-11 standard

**BÖHLER EH Twist 200**, 200 Amp (35 %), 4 mm opening **61475**

**BÖHLER EH Twist 400**, 400 Amp (35 %), 6 mm opening **61478**

**BÖHLER EH Twist 600**, 600 Amp (35 %), 8 mm opening **61484**



## BÖHLER Clamp

Earth clamp in crocodile style for easy installation. Span of 50 mm (Clamp 300) and 65 mm (Clamp 400 and Clamp 600) Certified according to EN 60974-11 standard

**BÖHLER Clamp 300** with Brass Jaws, 300 Amp (35 %) **61947**

**BÖHLER Clamp 400** with Brass Jaws, 400 Amp (35 %) **61948**

**BÖHLER Clamp 600** with Brass Jaws, 600 Amp (35 %) **61949**



## BÖHLER Chipping Hammer

Both Chipping Hammer types are tempered and have hardened edges. Hammer head with one double beveled and one pointed edge.

**BÖHLER Chipping Hammer (small)** **61950**

**BÖHLER Chipping Hammer (curved point)** **61951**

# JOIN! voestalpine Böhler Welding

With over 100 years of experience, voestalpine Böhler Welding is the global top address for the daily challenges in the areas of joint welding, repair, hardfacing and cladding as well as brazing. Customer proximity is guaranteed by more than 43 subsidiaries in 25 countries, with the support of 2,300 employees, and through more than 2,000 distribution partners worldwide. With individual consultation by our application technicians and welding engineers, we make sure that our customers master the most demanding welding challenges. voestalpine Böhler Welding offers three specialized and dedicated brands to cater our customers' and partners' requirements.



**Lasting Connections** – As a pioneer in innovative welding consumables, Böhler Welding offers a unique product portfolio for joint welding worldwide. More than 2000 products are adapted continuously to the current industry specifications and customer requirements, certified by well-respected institutes and thus approved for the most demanding welding applications. As a reliable partner for customers, "lasting connections" are the brand's philosophy in terms of both welding and people.



**Tailor-Made Protectivity™** – UTP Maintenance ensures an optimum combination of protection and productivity with innovative and tailor-made solutions. Everything revolves around the customer and their individual requirements. That is expressed in the central performance promise: Tailor-Made Protectivity™.



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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](http://www.voestalpine.com/welding)



