

## GRINDING/CUTTING PROTECTIVE HELMET



**BEAR**





## WELDING EQUIPMENT SUITABLE FOR TODAY'S NEEDS

### **Thank you for purchasing our product!**

You have made a right choice. Plasma welding and welding processes are carried out in difficult conditions that expose welding equipment to extreme tests of its strength. Only high quality equipment can ensure required reliability and performance during realization of the above-mentioned processes. SPARTUS® products are characterized by precisely such features: they are primarily reliable and durable, but they are also versatile. We listen carefully to clients' needs. Therefore, our offer covers such a wide assortment of products. Thank you very much for your trust in our company. We would like to invite you to familiarize yourself with the remaining products and offer at [www.spartus.info](http://www.spartus.info) or directly at a local distributor of SPARTUS® products.

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### **IMPORTANT!**

*Before using this product, read the instruction manual in its entirety, with understanding. Keep the instructions for quick reference to it if necessary. Pay special attention to safety instructions provided for your protection. In the event of any points of misunderstanding instructions, contact your supplier or supervisor.*

## 1. SAFE USE

Please do not place hot electrode holders inside the helmet and please do not place the helmet near naked flames or hot work surfaces. Scratched or damaged visors and lenses must always be replaced if broken, damaged or covered with spatter to the extent that vision is impaired. The user should conduct daily regular checks to ensure no damage is evident. Materials that may get in contact with the wearers skin could cause Allergic reactions to susceptible individuals. Eye-protectors against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer.

The life of product depends on various factors such as use, cleaning storage and maintenance. Please check regularly of the consumable components and replace if serviceability or visibility is suspected to be affected, and finally dispose when critical components not offered as spares are suspected to be damaged or if serviceability is affected.

### 1.1 EYES AND FACE PROTECTION

- Never place this helmet on a hot surface.
- This helmet will not protect against explosive devices or corrosive liquids.
- Do not make any modifications to either the lens or helmet, unless specified in this manual.
- Do not use replacement parts other than those specified in this manual. Unauthorized modifications and replacement parts will void the warranty and expose the operator to the risk of personal injury.
- Do not immerse the helmet in water.
- Do not use any solvents on the filter screen or helmet components.
- Storing temperature: -20°C ~ +85°C. The helmet should be stored in dry cool and dark area, when not using it for a long time.
- Clean the lens surface regularly; do not use strong cleaning solutions. Regularly replace the cracked/scratched/pitted front lens.

### 1.2. SYMBOLS USED IN INSTRUCTIONS



We use those symbols to pay your attention about important informations.

## 2. CONFORMITY WITH STANDARDS

The SPARTUS® protective helmet BEAR is in conformity with the relevant Union harmonization legislation:

**Directive 2016/425/UE**      **PPE**      **Personal protective equipment**

and that the following harmonized standards applied:

**EN 166**      **Personal eye and face protection**

**EN 175B**      **Eye and face protection**

**CE** marking was placed on the product.

### 3. GENERAL DESCRIPTION

**SPARTUS® BEAR protective helmet** has been designed to protect user's eyes and face during grinding, cutting and simple welding. Transparent cover made of durable polycarbonate protects against heat and splashes.

Ergonomic shape, adjustable headgear and low weight of the helmet allow for comfortable work even for a long time. A large field of view has a positive effect on the freedom of action while working.

#### 3.1 PURPOSE OF USE

SPARTUS® BEAR protective helmet is used to protect face and eyes during grinding.

**!** *The welding helmet does not protect against explosive devices or corrosive liquids. It is forbidden to use misused.*

### 4. TECHNICAL SPECIFICATIONS

#### 4.1 OPERATION, STORAGE AND TRANSPORT

##### Conditions during operation, storage and transport

Range of ambient air temperature during operation	from -5°C to +50°C
Range of ambient air temperature during storage and transport	from -20°C to +85°C

**!** *Store and transport packaging protects against mechanical damage to the helmet.*

#### 4.2 TECHNICAL PARAMETERS OF HELMET

	SPARTUS® BEAR
Application	grinding, cutting, gas welding
Field of view	201 x 117mm
Weight	385 g

### 5. OPERATION AND USE

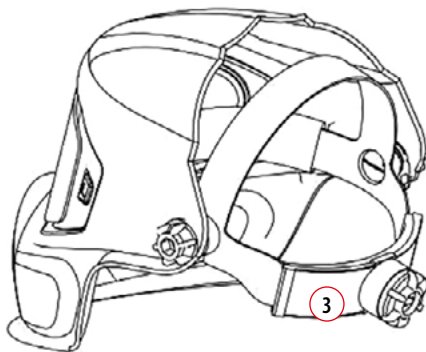
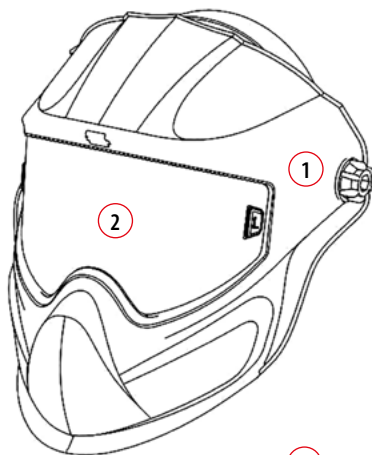
**!** **WARNING!**  
*SPARTUS® helmet is intended for professional and industrial applications. Installation and use of the device may only be carried out appropriately trained professionals.*

**i** *Qualified person (def.)  
 A person who has gained the relevant technical education, training took place and / or gained experience to perceive the risk and avoid hazards during use of the product (IEC 60204-1). (IEC 60204-1).*

## 5.1 DESCRIPTION OF CONSTRUCTION

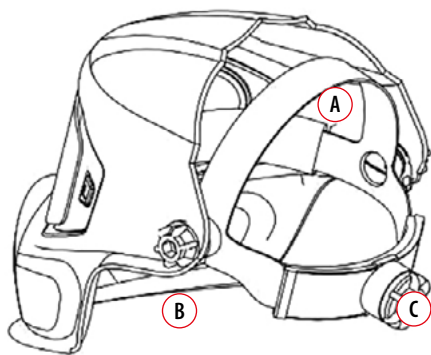
### **WARNING!**

*It is forbidden to make any unauthorized modifications to the cover and / or other components of a SPARTUS® helmet.*



1	Protective helmet main shell	<b>PRODUCT CODE</b> <b>080-10-040</b>
2	Fixed cover DIN 1	<b>080-10-040-EI1</b>
3	Headgear with sweatband	<b>080-12-000</b>

Helmet is equipped with a comfortable headgear that can be adjusted in three different ways. height, rake and size.

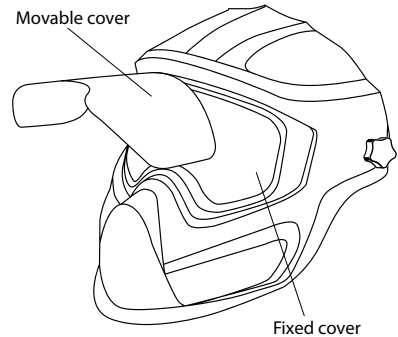


- A Height adjustment
- B Rake adjustment
- C Size adjustment

- A – push and move “head height”
- B – turn to adjust rake of headgear
- C – push and turn “head size”

## 5.2 USING OF SPARTUS® HELMET

PRODUCT CODE	DESCRIPTION
<b>080-10-040-EI1</b>	Fixed cover DIN 1
<b>080-10-040-EI2</b>	Fixed cover DIN2
<b>080-10-040-EI3</b>	Fixed cover DIN3
<b>080-10-040 EI5</b>	Fixed cover DIN5
<b>080-10-040-EO5</b>	Movable cover DIN5
<b>080-10-040-EO8</b>	Movable cover DIN8



## APPLICATION

COVER	Grinding	Cutting	Simple welding
Fixed cover DIN 1	✓		
Fixed cover DIN2	✓		
Fixed cover DIN3	✓		
Fixed cover DIN5	✓	✓	
Fixed cover DIN3 + Movable cover DIN5	✓	✓	✓
Fixed cover DIN2 + Movable cover DIN8	✓	✓	✓

## 5.3 USING OF SPARTUS® HELMET



### **WARNING!**

*Scratched or damaged protection shields have to be replaced for the new one.*

### **Before first use**

*(or first use after a short break at work) of the helmet you should check its technical condition.*

## 6. MAINTENANCE



*Maintenance and repair work may be performed only by qualified personnel with the appropriate permissions. Regular maintenance provides adequate service life and trouble-free operation of the helmet.*

### **Daily: (before use/installation):**

- Perform visual inspection of the helmet.
- Visually inspect the technical condition of the outer cover. Worn or damaged cover should be replaced by a new one.

## 6.1 REPLACING FIXED COVER

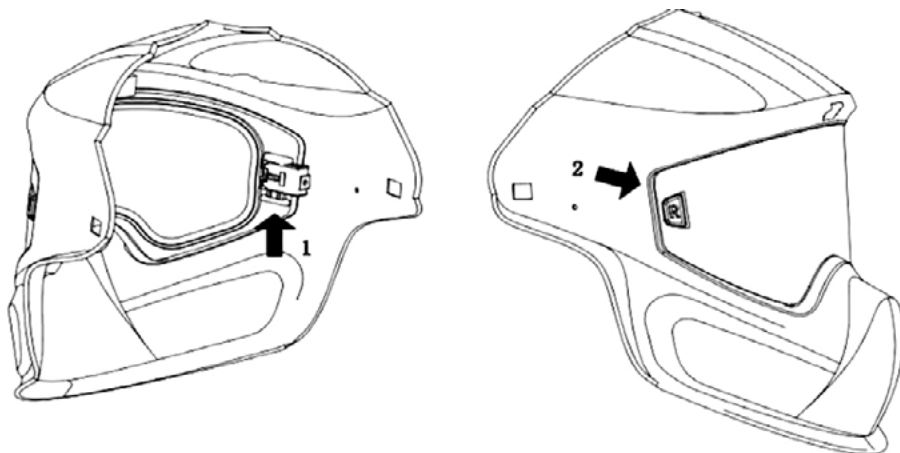
Regular replacement of the cover is needed to do the correct operation of the helmet. Excessively worn or damaged cover must be replaced by a new one.

*Step 1:* Unlock the latches inside the helmet, on both sides of the cover to push them up.

*Step 2:* Remove the used element.

*Step 3:* Install a brand new cover by pressing it into the appropriate latches on both sides of the helmet and lock the cover.

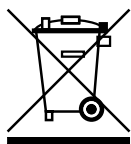
*Step 4:* Make sure that the cover is securely attached and well-locked, with no visible gaps.



## 6.2 CLEANING INSTRUCTIONS

Regularly clean the surface of the cover with a soft microfiber cloth or another material with gentle fibers. Dry it with a clean cotton cloth.

## 7. ENVIRONMENTAL PROTECTION



The product must not be disposed of into an ordinary waste container. It is totally forbidden to dispose of electric or electronic equipment marked with a crossed-out trash can symbol by throwing it into ordinary waste containers. According to the WEEE directive (directive 2012/19/UE), binding within the European Union, such products should be disposed of according to local regulations.

We hereby inform the client that, according to the regulations, each commodity is burdened with waste disposal costs (WDC) according to charging rates valid for a given year.

## 8. TROUBLESHOOTING



*Problems with the operation of the device, are not always an evidence of its failure. You can independently carry out an analysis in search of probable failure. In case of doubt, please contact to SPARTUS® dealer or authorized service center.*



*During the warranty period all repairs should be carried by authorized service center. Repairs carried out by unauthorized persons will void the warranty.*

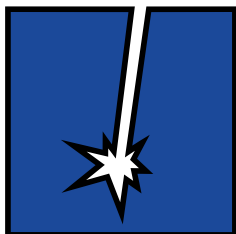


## Notes

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## Notes

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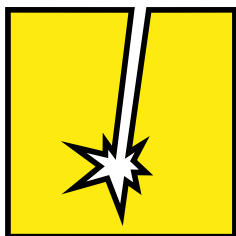
**EASY**

*Simple solutions and an attractive price – these are the features of SPARTUS® Easy series devices. Our equipment has been designed with ease of use and ergonomics at work in mind.*

*A masterly combination of high quality production, excellent parameters and ergonomics – these are features of the SPARTUS® Master series of devices, which were created with demanding welding jobs in mind.*



**MASTER**



**PRO**

*Precision, functionality, excellent parameters and resistance to high workloads – these are the features of the SPARTUS® Pro industrial series of devices. This series consists of specialised solutions which will satisfy even the most demanding users.*



Videopresentation of products



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