

Laser safety eyewear, GLADIATOR Filter - 0413, frame color silver (suitable also for spectacles wearer)

Product information:

Item no.:	000-G0413-GLAD-20
Application:	Excimer (193 nm) UV (248 nm) Nd:YAG + harmonische (266 + 355 + 532 nm) Diode (630 – 660 nm) + Diode / Nd:YAG (800 – 1064 nm) Yb:YAG/Scheibe (1030 nm) Faser (976 – 1080 nm) Telecom (1320 nm) Tm:Diode (1470 nm) , VLT (Visible light transmission): 5 %
Filter color:	orange with refracting surface - blue
Frame color:	silver
Filter material:	Mineral glass, laminated

Laser safety goggles with orange mineral glass, suitable for Excimer (193 nm), UV (248 nm), Nd:YAG + harmonic (266 + 355 + 532 nm), Diode (630 - 660 nm) + Diode / Nd:YAG (800 - 1064 nm), Yb:YAG/Disk (1030 nm), Fiber (976 - 1080 nm), Telecom (1320 nm) and Tm:Diode (1470 nm) lasers



Certified protection specifications for EN 207

Wavelengths

- 180-315
- >315-540
- >540-555
- >555-558
- >558-565
- >565-570
- 605-610
- >610-615
- >615-620
- >620-630
- >630-635
- >635-642
- >642-655
- >655-665
- >665-680
- >680-1330
- >1330-1375
- >1375-1400
- >1400-1644
- >1644-1800
- >1800-2640
- >2640-2685
- >2685-2755
- >2755-2792
- >2792-11000

Protection levels

D LB10 + IR LB4 + M LB6Y (OD10+)

D LB7 + IR LB9 + M LB10 (OD10+)

DIRM LB6 (OD6+)

DIRM LB4 (OD4+)

DIRM LB2 (OD2+)

DIRM LB1 (OD1+)

DIRM LB1 (OD1+)

DIRM LB2 (OD2+)

DIRM LB3 (OD3+)

DIRM LB4 (OD4+)

DIRM LB5 (OD5+)

DIRM LB6 (OD6+)

DIRM LB7 (OD7+)

D LB7 + IRM LB8 (OD8+)

D LB7 + IRM LB9 (OD9+)

D LB7 + IR LB9 + M LB10 (OD10+)

D LB7 + IRM LB9 (OD9+)

DIRM LB7 (OD7+)

DI LB5 + RM LB3Y (OD5+)

DI LB4 + R LB3Y + M LB2Y (OD4+)

DI LB3 + R LB3Y + M LB2Y (OD3+)

DI LB2 + RM LB2Y (OD2+)

DI LB3 + R LB3Y + M LB2Y (OD3+)

DI LB4 + R LB3Y + M LB2Y (OD3+)

DI LB5 + RM LB3Y (OD5+)

PF CE

Properties:

The **GLADIATOR** is a modern **laser safety glasses** frame made of lightweight aluminum alloy. The frame is tightly sealed all around thanks to a soft, rubberized face pad. The face pad is washable and easily replaceable if necessary. Generous ventilation slots prevent fogging of the interior. The goggles are suitable as over-glasses for spectacle wearers and, thanks to an elastic, adjustable headband, offer optimum wearing comfort even during long periods of work.

The **laser safety filter 0413** is particularly suitable as laser protection for powerful **Excimer (193 nm), UV (248 nm), Nd:YAG + harmonische (266 + 355 + 532 nm), Diode (630 – 660 nm) + Diode / Nd:YAG (800 – 1064 nm), Yb:YAG/Scheibe (1030 nm), Faser (976 – 1080 nm), Telecom (1320 nm) und Tm:Diode (1470 nm) lasers**. In addition, other lasers are also covered by the filter. The laser safety filter consists of a mineral glass composite with dielectric coating with red, blue and light blue interference layer and impresses with a daylight transmission of approx. 5% at low thickness. The laser safety filter is **CE** certified according to the provisions of **DIN EN 207**.

Especially for these laser safety goggles with heavy glass filters, we recommend you to use the [head](#)

[support](#)  , as the best solution for long-term wearing.

For a perfect and safe cleaning of this filter we recommend this [cleaning spray](#).



Please calculate the necessary protection levels for your laser application, with care and compare them to the given protection level of the **laser safety goggle**. We will gladly advise you on the selection of the right **safety gear**.