



CLIMAX 436-I FACE SHIELD

The Climax 436-I face shield has been designed to provide effective protection against the risk of impact by high-speed and high-energy particles and is capable of resisting the impact of projectiles with a speed up to 190m/s, such as, small flying debris such as wood, metal and plastic chips, pieces of twigs and branches from gardening machinery, etc. Due to the special design of the face shield, any limitation on the angle of side vision is minimised and the shield can be worn by virtually any user. The optical class also allows extended use without discomfort for the wearer.

Description and Features

The 436-I face shield is made of top-quality, hard-wearing materials.

Helmet shell

The helmet shell is manufactured of high-density injected polyethylene. The shell surface is smooth, with twin ribs along the length and a solid rib of triangular cross-section that provide greater rigidity to the helmet. The helmet also has a visor in the middle and a water rim around the remaining perimeter. The interior of the shell contains six housings to attach the harness.

Harness

It is made of injected linear polythene that has great impact absorbing potential. It has a head strap, neck strap and a cap with six ribs. The front of the head band is covered with a textile sweat band. The neck band has a size adjustment mechanism with a wheel, made of polyamide, on which padding has been stuck. The usage height can be changed between three different positions; there are three holes on each of the front and rear cap ribs.

Visor

The visor is manufactured of 1.5 mm thick clear polycarbonate (without filtering action). Its measures are 320 x 290 mm, with the width tapering at the bottom of the visor. Four holes at the top are used to house the screws which attach the visor to the browguard.

The visor provides the highest level of mechanical resistance, and it pass the **High speed and high energy impacts** test (impact of a 6 mm diameter and 0.86 g steel ball with projected at 190 m/s).

Replacement Parts

Visor
Sweat band
Helmet fittings
Set of harnesses

Packaging

Boxed individually with an information leaflet.

CE Certification

Standards: UNE-EN 166: 1996
UNE-EN 397:1995

Technical Data

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| • Resistance to UV radiation | $\Delta\tau < 5\%$ |
| • Spherical refractive power | $(-0.02\pm-0.08)dp$ |
| • Astigmatic refractive power | $< 0.12 dp$ |
| • Prismatic refractive power | Horiz: $<0.50 cm/m$
Vert: $<0.05 cm/m$ |
| • Mean transmission, visible | $(89.0\pm2.0)\%$ |
| • Light diffusion | CONFORMS |
| • Increased mechanical resistance | CONFORMS |
| • High-energy, high-speed
Impact resistance | CONFORMS |
| • Resistance to high temperatures | CONFORMS |
| • Flame resistance | CONFORMS |