



424-RG/1 FACE SHIELD

The Climax 424-RG 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

Browguard

The semi-circular browguard is manufactured of blue polyethylene and includes a narrow brim. The visor is attached to the browguard by means of two centre pins and two turn fasteners on the sides. The browguard also contains a slot on each side in order to hold a nut-and-bolt system used to attach the browguard and headgear.

Headgear

The headgear system is composed of a harness and adjustment system, manufactured of injection-moulded black polyethylene. The harness comprises two parts, an upper cross strap and a contour strap. The length of the cross strap can be adjusted by means of the holes and anchor pin system. The contour strap has a middle section (which rests on the wearer's forehead) and side arms that join at the rear of the head by means of the adjustment system. This system, which has a closing tube, guide and wing nut, allows easy adjustment of the contour band circumference by simply pressing and simultaneously turning the wing nut. For greater comfort, the contour strap has two self-sticking foams on the front of the strap where it rests on the wearer's forehead.

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).

Packaging

Individual units in plastic bag with information leaflet.
Case with 80 units: Sizes: 80x75x60
Gross weight: 24 Kg

CE Certification

Standards:	EN 166, EN 167 and EN 168: 1996 Directive 89/686/CEE
Regulatory agency no.	0159
Certificate no.	11237701

Applications

Ideal for working under conditions with some risk of impact by particles, e.g., when working with a lathe, milling machine, sharpener or sander or with woodworking or gardening machinery. The face shield provides effective protection against the impact of small flying debris such as wood, metal and plastic chips as well as pieces of twigs and branches. The face shield pass successfully the Increased robustness test (impact of a 43 g steel ball at 5.1 m/s) and the high speed and high energy impact test ((impact of a 6 mm diameter and 0.86 g steel ball with projected at 190 m/s).

Technical Data

• 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: $< 0.05 cm/m$ (89.0 ± 2.0)%
• Mean transmission, visible	CONFORMS
• Light diffusion	CONFORMS
• Increased mechanical resistance	CONFORMS
• High-energy, high-speed Impact resistance	CONFORMS
• Resistance to high temperatures	CONFORMS
• Flame resistance	CONFORMS