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ISO 18526-4 Headforms



Please contact us for a quotation 2IHx.2509

All headforms comply with the dimensional requirements of ISO 18526-4:2020. Adult headforms are available in the six specified sizes of 1-S, 2-S, 1-M, 2-M, 1-L and 2-L. By default, testing is normally performed using the 1-M size unless the eye/face protector manufacturer specifies otherwise.

We offer variants of our headforms so that you can choose the ideal headform to suit your test apparatus.

The use for each available variant is summarised below:

Variant	Description
A	For tests where increased chemical resistance is required
I	For performing drop and ballistic impact testing
P	For testing prismatic imbalance of complete eye/face protectors
R	For testing the required minimum areas to be protected
T	For testing spherical and astigmatic properties of complete eye protectors

‘A’ variant – Chemical

This headform is cast aluminium.

It is intended to be used for tests such as Protection against Droplets, Protection against streams of liquids, Protection against large dust particles or Protection against gases and fine dust.

This headform is supplied with our standard base fitting as shown below.

‘I’ variant - Impact

This headform is constructed from an aluminium core with a rubber outer surface. The outer surface has a hardness of 50 IRHD (nominal).

The headform includes moulded markings for the frontal and lateral impact points, including 10mm circles around these points to denote the normal permitted areas at which projectiles should be aimed.

This headform is supplied with our standard base fitting as shown below.

‘P’ variant – Prismatic imbalance

This headform is constructed from rigid polymer.

The headform can be used as an easy way to support complete eye/face protectors when testing prismatic imbalance. To allow the laser to pass, the headform includes holes corresponding to the pupil positions. In addition, it is fitted with an optical assembly comprising a diaphragm with 8mm holes at the pupil positions and a 1000mm nominal focal length lens.

This headform is normally supplied with a base fitting compatible with our Prismatic Difference test apparatus. Please let us know if you require a special fitting.

‘R’ variant - Area to be protected

This headform is constructed from a rigid polymer.

Our standard headform is supplied with markings according to ISO 16321-1 showing the following:

- Eye protection zone (basic)
- Orbital protection zone (OPZ)
- Extended orbital protection zone (EOPZ)
- Face protection zone (FPZ)

We can supply headforms with special markings upon request.

This headform is supplied with our standard base fitting as shown below.

‘T’ variant – Spherical and Astigmatic Properties

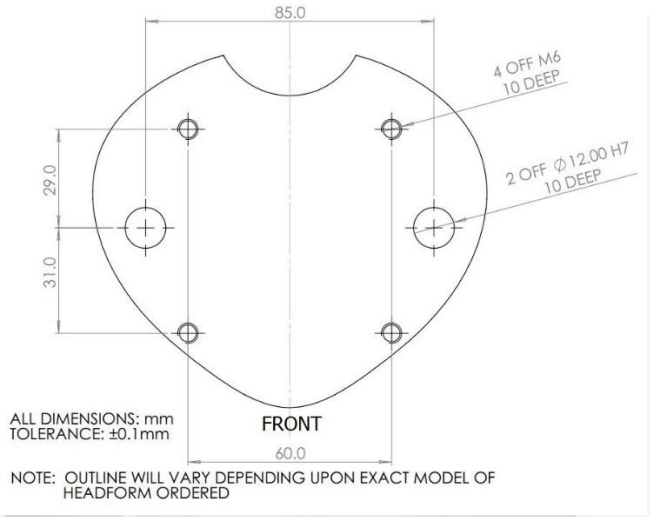
This variant is constructed from rigid polymer.

The headform can be used as an easy way to act as a support when testing complete eye protectors for spherical and astigmatic properties. To allow the operator to view the target, it includes 30mm diameter holes centred on each pupil position.

This headform is normally supplied with a base fitting compatible with our Telescope & Target test apparatus. Please let us know if you require a special fitting.

Standard base fitting

Unless stated otherwise above, headforms are supplied with our standard base fitting:



If you have existing test apparatus we can supply the headforms with base fittings to match your existing equipment whether this was supplied by INSPEC or another equipment manufacturer. Let us know what you need and we can quote accordingly.

Related apparatus

These headforms are generally an accessory to the main test apparatus designed for performing each of the relevant tests. If you are interested in the complete test apparatus, please let us know.