INSPEC International Limited
56 Leslie Hough Way
Salford, Greater Manchester
M6 6AJ, United Kingdom

Tel: +44 (0) 16 1737 0699
Email: equipment@inspec-international.com

HEADFORMS FOR TESTING EYE PROTECTORS

We supply test headforms in various sizes and materials in accordance with European, American and Australian standards

Code		Description - for EN Testing
Medium	**Small**	
EMAL	ESAL	Cast aluminium (plain finish) - *used for dust, gas and splash tests*
EMREF	ESREF	Cast epoxy resin (finished white painted) - *for use as a reference head for evaluating areas to be protected, impact points, peripheral vision, etc*
EMPU	ESPU	Rigid core with polyurethane "skin" - *used for ballistics tests and for drop ball tests*
EMTEL	ESTEL	Cast epoxy resin (finished black painted) and drilled through from front to back at each eye position with 20mm diameter holes at appropriate pupillary distance - *for use with telescope apparatus to measure refractive powers*
EMPDR	ESPDR	Cast epoxy resin (finished black painted) and drilled through from front to back at each eye position with nominal 20mm diameter holes at appropriate pupillary distance and machined with a vertical slot behind the eyes with a lens and aperture plate fitted.

All headforms are engraved with the reference markings.

Suggested headforms for ANSI Z87.1-2020					
Clause		**EMTEL/ESTEL** (Epoxy with eyeholes)	**EMPU/ESPU** (Polyurethane)	**EMREF/ESREF**[2] (Epoxy)	**EMAL/ESAL**[2] (Aluminium)
9.5	Prismatic Power Tests	X[1]			
9.6	Drop Ball Test		X		
9.9	Refractive Power, Astigmatism and Resolving Power Tests	X[1]			
9.10	Lateral Protection Test			X	
9.11	High Mass Impact Test		X		
9.12	High Velocity Impact Test		X		
9.13	Penetration Test		X		
9.17.1	Droplet and Splash Test for Goggles				X
9.17.2	Droplet and Splash Test for Faceshields			X	
9.18	Dust Test				X
9.19	Fine Dust Particle Test				X

Notes

1. ANSI Z87.1 specifies "as-worn" without a head, we recommend the EMTEL/ESTEL as a suitable alternative.
2. ANSI Z87.1 specifies an EMPU/ESPU, our suggestions are in line with EN 168:2001 as specified in Clause 3.

Please contact us for a quotation 2Headform.2107