

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
EMCE	ESCE	Cast epoxy resin (finished black painted) - for general use
EMREF	ESREF	Cast epoxy resin (finished white painted) and engraved and black-lined - for use as a reference head for evaluating areas to be protected, impact points, peripheral vision, etc
EMPU	ESPU	Rigid core with polyurethane "skin", vertical flat at the back - used for ballistics tests (erect) and for drop ball tests (looking up)
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.

Clause		Suggested headforms for ANSI Z87.1-2010			
		EMTEL ESTEL (Epoxy with eyeholes)	EMPU ESPU (Polyurethane)	EMREF ESREF (Epoxy with reference markings)	EMAL ESAL (Aluminium)
9.5	Prismatic Power Tests	X			
9.6	Drop Ball Test		X	X	
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		
9.16.1	Droplet Test				X
9.16.2	Splash Test			X	
9.17	Dust			X	X
9.18	Fine Dust Particle Test				X

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Effective September 2013

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