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Elastomeric Shock Pad / Modular Elastomer Pad (ESP / MEP)

Description:

ESPs/MEPs are specified in many helmet standards as a means to perform a quick and easy check on the overall performance of the shock absorption / impact test equipment.

The elastomeric pad has a hardness of 60 Shore A and is moulded on to an aluminium base plate, which can, in turn, be fixed to the anvil of the test rig.

In use, it is recommended to perform five consecutive drops of the striker or headform on to the pad and to record the resulting force / acceleration indications.

The values obtained for the last three drops may then be used for analysis (that is, typically, comparison with results from previous drops).

Top view

Bottom view

Services required:

Shock absorption / impact test equipment

Approximate packed size & weight:

31 x 31x 31cm : 3 kg

Relevant standards:

ANSI Z89.1:2009	BS 6658:1985
ASTM F1446-13	PSDB 21/04
CPSC 16 CFR Part 1203:1998	SS 98-2005
CSA Z94.1-15	ISO 10256:2003

Although not required by many other helmet standards, the use of the ESP/MEP is recommended as good laboratory practice to verify consistent performance of the test rig.

Please contact us for a quotation

Effective July 2015