

# Australian/New Zealand Standard™

## Methods of testing protective helmets

### Method 8: Measurement of peak deflection

AS/NZS 2512.8:2006

#### PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CS-097, Testing of Helmets and Visors, to supersede AS/NZS 2512.8:1998, *Methods of testing protective helmets, Method 8: Measurement of peak deflection*.

This Standard is republished without technical alteration.

#### METHOD

##### 1 SCOPE

This Standard sets out a method for measuring the deflection under load of peaks on protective helmets.

##### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

- |        |   |
|--------|---|
| 2512   | Methods of testing protective helmets   |
| 2512.1 | Method 1: Definitions and headforms   |
| 2512.2 | Method 2: General requirements for the conditioning and preparation of test specimens and laboratory conditions |

##### 3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 2512.1 apply.

##### 4 PRINCIPLE

A specified mass is suspended from the peak for a specified time and the resulting deflection is measured. The mass and the time are specified in the Standard relating to the type of helmet under test.

##### 5 APPARATUS

The following apparatus is required:

- (a) Headform complying with AS/NZS 2512.1.
- (b) Mounting stand to secure the headform during the test.
- (c) Means of applying a static force to the helmet to stop rotation.