

elcometer® 1615 Variable Impact Testers

Can be used in accordance with:

ASTM D 2794, BS 3900 E13, DIN EN ISO NF 6272, ECCA T5, NF T30-017



This simple to use gauge is ideal for evaluating the resistance of a coating to impact (elongation, cracking or peeling).

There are two test methods: either a weight with a hemispherical punch attached falls on a coated metal sheet or a weight falls on to a hemispherical punch which is resting on the coated metal sheet.

The Elcometer 1615 Impact Tester comes as one universal assembly with the option of six different kits providing the functionality for various testing methods.

The test specimen is fixed into position by the quick release clamp. The weight is lifted to the predetermined height and can be set by the adjustable collar device. The weight is then released and the resulting deformation observed.

The base unit is common to all tests. Simply select the appropriate kit to meet your requirements.

- **Graduated tube with engraved markings:**
 - The tube has clearly engraved, graduated markings in both kg-cm and lb-inch to ensure accuracy.
- **Stop collar with adjustable settings:**
 - Ten settings between 2mm and 15mm to change the depth of impact when working in accordance with ISO Standards.
- **Integrated bubble level:**
 - Ensuring that the tester is perpendicular for accurate results.
- **Easy fix sample clamp:**
 - The test sample can be secured or released by a simple twist of the clamp handle.
- **Comprehensive range of test kits:**
 - Six different test kits are available containing all the items required to test in accordance with specified Standards.

Technical Specifications

Guide Tube:	Scale Length:	0mm to 1000mm
	Total length:	1390mm
Dimensions	1460 x 200 x 165mm	
Weight	10.6kg	

Packing List

Elcometer 1615 Impact Tester with :

- passivated base
- integrated bubble leveller
- graduated tube
- collar release mechanism and
- operating instructions

Kits are not supplied as standard. Please select the required kit from the table overleaf.

Part Number

K0001615M201

Elcometer 1615 Impact Tester Universal Base Unit and Tube

Elcometer 1615 Kits

In order to test a sample in accordance with a specified standard, a number of kits have been created to provide a single Impact Tester which, by using the appropriate kit, allows the user to work in accordance with a wide range of National and International Standards.



Kit A:

KT001615KITA

Comprising of:

Falling 1kg weight with 20mm punch – outside diameter 25mm, stop collar, 27mm die with fixing screw, sample clamp with two fixing screws, 3mm and 4mm hexagonal wrench.

Can be used in accordance with: ISO 6272:1993, BS 3900-E13



Kit B:

KT001615KITB

Comprising of:

Static indenter with 15.9mm punch, falling 1kg weight, 12.7mm punch, 16.3mm die with fixing screw and 3mm hexagonal wrench.

Can be used in accordance with: ISO 6272 Part 2:2002



Kit C:

KT001615KITC

Comprising of:

Static indenter with 15.9mm punch, falling 208g weight, 16.3mm die with fixing screw and 3mm hexagonal wrench.

Can be used in accordance with: ASTM D2794 Method 2, BS 6496:1984 EN 12206-1



Kit D:

KT001615KITD

Comprising of:

Falling 1kg weight with 20mm punch – outside diameter 24.6mm - and stop key, 27mm die with fixing screw, stop collar, sample clamp with fixing screws, 3mm and 4mm hexagonal wrench.

Can be used in accordance with: ISO 6272 Part 1:2002, BS EN ISO 6272-1:2004



Kit E:

KT001615KITE

Comprising of:

Falling 400g weight with 23mm punch, 22mm die with fixing screw and 3mm hexagonal wrench.

Can be used in accordance with: NFT 30-017:1989



Kit F:

KT001615KITF

Comprising of:

Falling 1kg weight with 20mm punch – outside diameter 25mm, stop collar, 27mm die with fixing screw, sample clamp with two fixing screws, static indenter with 15.9mm punch, falling 1kg weight, 12.7mm punch, 16.3mm die with fixing screw, 3mm and 4mm hexagonal wrench.

Can be used in accordance with: ISO 6272:1993, ISO 6272-2:2002

Spares / Accessories for Kits

Kit	Description	Part Number
Kit A	20mm Diameter Punch Head, Outside Diameter 25mm	KT001615N226*
	27mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N214
	Sample Clamp Mechanism	KT001615N209
	Stop Ring Collar	KT001615N208
	1kg Falling Weight, Outside Diameter 25mm	KT001615N221
Kit B	12.7mm Diameter Punch Head	KT001615N215*
	15.9mm Diameter Punch Head	KT001615N205*
	16.3mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N212
Kit C	15.9mm Diameter Punch Head	KT001615N205*
	16.3mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N212
Kit D	20mm Diameter Punch Head, Outside Diameter 24.6mm	KT001615N206*
	27mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N214
	Sample Clamp Mechanism	KT001615N209
	Stop Ring Collar	KT001615N208
	1kg Falling Weight, Outside Diameter 24.6mm	KT001615N201
Kit E	23mm Diameter Punch Head	KT001615N207*
	22mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N213
Kit F	20mm Diameter Punch Head, Outside Diameter 25mm	KT001615N226*
	15.9mm Diameter Punch Head	KT001615N205*
	12.7mm Diameter Punch Head	KT001615N215*
	27mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N214
	16.3mm Die complete with 3mm Hexagonal Wrench & Fixing Screw	KT001615N212
	Sample Clamp Mechanism	KT001615N209
	Stop Ring Collar	KT001615N208
1kg Falling Weight, Outside Diameter 25mm	KT001615N221	

* Punches are universal and can be used either fitted to a falling weight or as a punch resting on the sample.