

Elcometer 3120 Shore Durometer



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The Elcometer 3120 range of durometers is widely used to test the hardness of soft materials.

A round point indents the material under a fixed force spring and the hardness is displayed on the dial.

The instrument can be either hand held or fitted to an optional stand for increased repeatability.

The Elcometer 3120 range of Shore Durometers encompasses a number of hardness values. Please refer to the table below.

Hardness Testers

Improved mechanical resistance is part of many quality requirements. One important criteria for assessing this feature is hardness.

Depending on the requirements there are various methods for testing hardness. Some are dedicated to characterise coatings and others are more suitable for testing bulk materials such as metals, plastics, rubber or elastomers.

Elcometer manufacture and supply a wide range of instrumentation designed for the hardness tests most frequently used in the industry – these include pendulum, scratching, indentation or rebound measuring methods.

Can be used in accordance with:

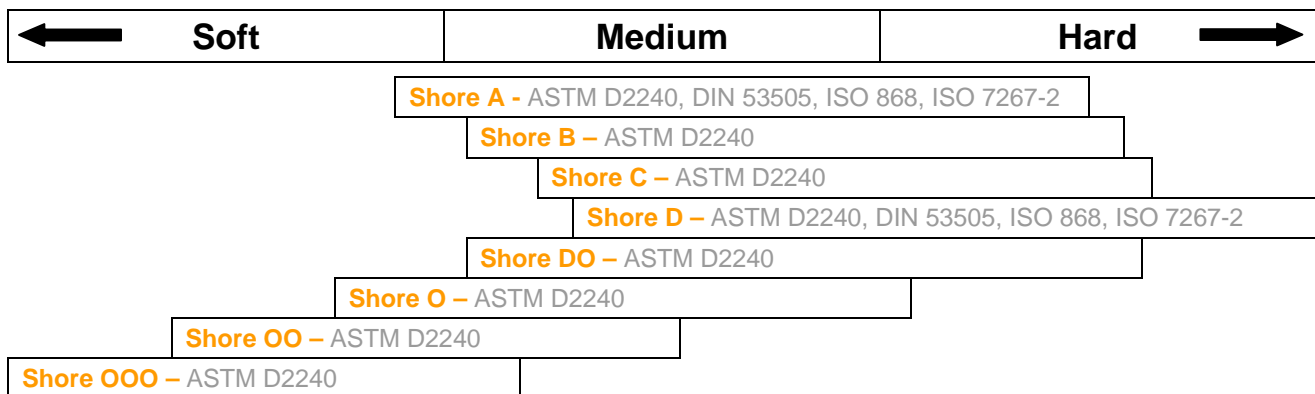
- ASTM D2240
- BS 7442-3.2
- DIN 53505
- FIAT 50411
- ISO 868
- ISO 7267-2
- NF T51-123
- NF T51-174

At a glance:

Standard test for material hardness.

Easy to use with immediate results.

Wide range available depending on the material to be tested.



TECHNICAL SPECIFICATION	
Dimensions	50 x 50 x 110mm (1.9 x 1.9 x 4.3")
Weight	300g (10.58oz)
Part Numbers	See table below
Packing List	Elcometer 3120 Shore Durometer, check piece (Shore A & D models only) and operating instructions

PART NUMBERS		
Description	Part Number	
	Without Certificate	With Certificate
Elcometer 3120 Shore Durometer A	K0003120M001	K0003120M015
Elcometer 3120 Shore Durometer A with Max Indicator	K0003120M008	-
Elcometer 3120 Shore Durometer A with Max Indicator & 12.5N Weight	-	K0003120M025
Elcometer 3120 Shore Durometer B	K0003120M003	K0003120M016
Elcometer 3120 Shore Durometer B with Max Indicator	K0003120M024	-
Elcometer 3120 Shore Durometer C	K0003120M004	K0003120M017
Elcometer 3120 Shore Durometer C with Max Indicator	K0003120M205	-
Elcometer 3120 Shore Durometer D	K0003120M005	K0003120M018
Elcometer 3120 Shore Durometer D with Max Indicator	K0003120M009	-
Elcometer 3120 Shore Durometer DO	K0003120M010	
Elcometer 3120 Shore Durometer DO with Max Indicator	K0003120M208	
Elcometer 3120 Shore Durometer O	K0003120M006	K0003120M019
Elcometer 3120 Shore Durometer O with Max Indicator	K0003120M207	-
Elcometer 3120 Shore Durometer OO with 400g (14.1oz) Mass	K0003120M221	K0003120M222
Elcometer 3120 Shore Durometer OOO with 400g (14.1oz) Mass	K0003120M024	-

ACCESSORIES	
Description	Part Number
Test Stand BS 61 II with 10N/12.5N Load for Shore A, B & O	KT003120N002
Test Stand BS 61 II with 400g Load for Shore OO & OOO	KT003120N203
Test Stand BS 61 II with 50N Load & Control Ring for Shore D, C & DO	KT003120N005

Related Products



Elcometer 3101

Elcometer 3101 Barcol Impressor Hardness Tester

These easy to use hardness testers are ideal for testing the hardness of soft metals, plastics, fibreglass and leather.



Elcometer 3095

Elcometer 3095 Buchholz Hardness Tester

Measuring a coating's hardness using the indentation method, the Elcometer 3095 Buchholz Hardness Tester consists of a bevelled disc indenting tool which is fitted into a stainless steel block exerting a constant test load of 500g (17.6oz).

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