

HARDNESS TEST

SP0010, SP0015

DATASHEET

PRODUCT DESCRIPTION

The TQC Hardness Test is a pocket instrument for testing the hardness and wear/scratch resistance of materials such as coatings, lacquers, plastics or related products. A tungsten carbide tip is drawn over the surface with a defined constant pressure. The pressure on the tip can be changed using the slide or by changing the spring. A visual mark on the surface after use of the TQC Hardness Test indicates a fail of the surface hardness or wear/scratch resistance. Can be used on flat and curved surfaces.

**BUSINESS**

Coating Laboratories, Paint Production, Surface Finishing, Powder Coating, Decorative Coatings, Building Maintenance

STANDARDS

Can be used in accordance with ISO 1518; AS 3894.4; EN 438-2, SIS 184188, DIN 55656 and Corporated Standards Bosch, Volvo, Opel, van Laar

FEATURES

- Ergonomic design with anti-slip texture on the holding point.
- Made of maintenance-free anodised aluminium, tips in tungsten carbide.
- Available in 2 models Basic and pro
- Very stable load on tip
- Easy to apply force

SCOPE OF SUPPLY**SP0010**

- TQC Hardness test pen
- Tip Ø 1mm
- Spring 0 – 3 N (300g - 0.671lbF) (Blank)
- Spring 0 – 10 N (1000g - 2.248lbF) (Blue)
- Spring 0 – 30 N (3000g – 6.74lbF) (Red)

SP0015

- TQC Hardness test pen
- Handle / Wheel assembly
- Tip Ø 1mm
- TIP Ø 0,75mm
- Tip Ø 0,50mm
- Spring 0 – 3 N (300g - 0.671lbF) (Blank)
- Spring 0 – 10 N (1000g - 2.248lbF) (Blue)
- Spring 0 – 30 N (3000g – 6.74lbF) (Red)
- Allen key

ORDERING INFORMATION

SP0010 – TQC Hardness Test 0-300/0-1000/0-3000gr Basic
SP0015 – TQC Hardness Test 0-300/0-1000/0-3000gr Pro

ACCESSORIES**Spare items**

SP0012 Tip for hardness test Diameter 0.5 mm / R=0.25 (acc. To Opel, Volvo, van Laar)

SP0013 Tip for hardness test Diameter 0.75 mm / R=0.375 (acc. to Bosch, Volvo)

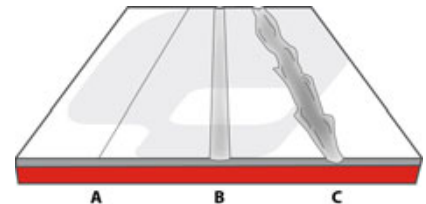
SP0014 Tip for hardness test Diameter 1.0 mm / R=0.25 (acc. to ISO)

SPECIFICATIONS

	Tips	Range	Dimensions	Weight
SP0010	∅ 1mm	0-3 N, 0-10 N, 0-30 N	L 190mm	67g
SP0015	∅ 1mm, 0,75mm, 0,50mm	0-3 N, 0-10 N, 0-30 N	L 190mm x H 160mm	375g

USE

1. Release the red knob on the slider and set the slider to the required position and fasten it by turning the red knob clockwise. (Note the beveled edge of the slider indicates the correct position).
2. Place the tester perpendicular on the surface to be tested and press the holder, using light force, in order to create load on the tip. The black guide tip should not touch the sample.
1. Move the tester over the surface over a length of about 10 mm with a constant speed.
2. Observe the surface to check for visible marks as indicated by standard. For example see image

**SPECIAL CARE**

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Always keep the instrument in its case when not in use.

DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct

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