

Hardness Test Pencil

BGD 511

Product Description

This instrument has been designed for the measurement of the hardness of protective coatings. The degree of hardness of paint films, plastic coatings, etc. can be accurately measured and recorded with the Hardness Test Pencil. No matter whether on a level or curved surface, small or large. The instrument is always ready for use and, because of its small size easy transportable, an asset which will be appreciated by all concerned with hardness tests.



Technical Specification

The handling of the Hardness Test Pencil is extremely simple. The estimated or known spring tension is set with the help of the slider. Holding the instrument upright and placing its point on the test surface one draws a 5 to 10 mm long line at a rate of approximately 10 mm/sec. The stylus should produce a scratch which is just visible with the naked eye. If the spring pressure is too high, the scratch is clearly visible; if too low, no scratch appears. The applied pressure, fixed by locking the slider, is marked in Newton's.

Three scales are engraved into the test pencil for the four pressure ranges:

- No.1 0 - 3 N (blue marked)
- No.2 0 - 10 N (red marked)
- No.3 0 - 20 N (yellow marked)
- No.4 0 - 40 N (white marked)

Hardness Test Pencil

BGD 511

Main Technical Parameters

Compression Springs	Spring Steel
Test Tips	No.1, 2 and 3: tungsten carbide spheres; No. 4 spring steel
Total length	160 mm
Diameter	16 mm
Net Weight	Approx. 250 g
Standard kit includes	1 Test tip 0.75mm dia.-Bosch 3 Springs (0 - 3 N; 0 - 10 N; 0 - 20 N) 1 Plastic carrying case
Ordering Information	BGD 511 - Hardness Test Pencil

Optional Accessories:

- **BGD 1071**---No.1 Test Tip 0.5 mm
- **BGD 1072**--- No.2 Test Tip 0.75 mm
- **BGD 1073**--- No.3 Test Tip 1.0 mm
- **BGD 1075**---Blue Spring 0-3N
- **BGD 1076**---Red Spring 0-10N
- **BGD 1077**---Yellow Spring 0-20N

Disclaimer

Hardness Test Pencil

BGD 511

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 we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development