

Rotational Abrasion Tester with Taber Wheels

BGD 523

Product Description

BGD 523 Rotational Abrasion Tester is applicable to determine abrasion resistance performance of various coatings. It is also used to determine the abrasion resistance of paper, plastic, textile fabric, decorations, etc. The principle of abrasion derived by the test sample, turning on a vertical axis, against the sliding rotation of 2 abrading wheels. The wheels are driven by the sample in opposite directions about a horizontal axis displaced tangentially from the axis of the sample. One of the abrading wheel rubs the specimen outward toward the periphery and the other wheel, inward to the centre. The area of abrasion from a pattern of crossed arcs of about 30 sq.cm. The degree of abrasion for the specimen also depends on the load force 500g, 750g or 1000g on each arm being acted onto the axial of the 2 arms, which has a load pressure of 250g. It accordance with all relevant DIN, ISO and ASTM standards.



Standards

DIN 52347, DIN 53109, DIN 53754, DIN 53799, ISO 5470, ISO 9352, ISO 3573, ISO 4586-2, ISO 7784-2, ASTM C217, ASTM D 1044, ASTM D 3389, ASTM D 4060, ASTM D 5342

Technical Specification

- Can select many different sorts abrasion medium for different tests.
- Specimen turntable speed control options of both 60 rpm and 72 rpm.
- LCD display for accurate and convenient setting and monitoring to the whole test.
- Three different precise stainless steel weights 500g, 750g, 1000g ensure the different requirements for different loads.
- Weights are marked to show total load on each wheel. This marking includes the weight of the abrading arm, which is 250 grams
- Abrading arms and fixing sleeve of abrading wheel have been calibrated and balanced before leaving our factory.
- A precision vacuum nozzle adjustment control allows the height to be modified for accommodating varying specimen thickness.

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Main Technical Parameters

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|------------------------------|--|
| Platform Speed | 60+/-2 r/min or 72 +/- 2r/min |
| Range of count | 0~9999 times |
| Specimen size requirement | Φ 100 x Φ 8 (center hole) x 3 mm Thickness: BGD 522: 20-25 mm, BGD 523: 0-5mm |
| Dimensions of abrasive sheet | Φ 50 x Φ 16 (center hole) x 13 mm |
| Load weight | 500g - 750g - 1000g |
| Main motor power | 25W 220V 50Hz |
| Overall dimension (mm) | 320x280x254 (L x W x H) |
| Nett Weight | 20 KG |

- Equipped with S-11 Resurfacing medium disc (10 pcs)
- Equipped with a pair of standard abrasive rubber wheel CS-10 or CS-17.
- Vacuum cleaner is optional

Ordering information: BGD 523 - Rotational Abrasion Tester

Accessoires

- BGD 2601 - Glass panel with circular hole (pack of 100)
- CS-10 - CS-10 Taber Abrading Wheels
- CS-17 - CS-17 Taber Abrading Wheels
- S-11 - S-11 Taber Refacing medium disc (pack of 100 pcs)
- BGD 1368 - Emery Cloth Strip: 180#, 100 pcs
- BGD 1372 - Fixing ring for soft specimen (Fix some soft material, such as paper, plastic film, cloth etc.)
- BGD 2328 - Aluminum Panel with circular hole (pack of 100 pcs)
- S-42 - S-42 Sandpaper Strips

Disclaimer

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

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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