

Rotational Abrasion Tester with Taber Wheels

BGD 522

Product Description

BGD 522 Rotational Abrasion Tester is applicable to determine abrasion resistance performance of various wood substrates. 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

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- 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.
- A Quick Release Mounting Hub permits quick wheel mounting without the need of a locking nut.

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Main Technical Parameters

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 522 - Rotational Abrasion Tester for wood

Disclaimer

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