



Certified DIN Abrasion Testing System

Standards:

ASTM D5963, EN ISO 20344, ISO 4649, DIN 53516, SATRA METHOD 174



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE



Certified DIN Abrasion Tester

GenDin is designed to conform to the ASTM, EN, ISO and DIN standards. This top quality and highly popular abrasion tester will allow you to measure the abrasion resistance of rubbers (vulcanized thermo set rubbers and thermoplastic elastomers) that are subject to abrasive/frictional wear on their actual service. Since wear is always a result of abrasion, different test methods have been developed for the simulation of long-term wear.

Operation Videos:

<https://youtu.be/LSprRkiBIHU> - DIN Abrasion Testing Operation



<https://youtu.be/G9S-RD3RJbM> - DIN Method according to ISO 4649 Method 1 (without specimen rotation)



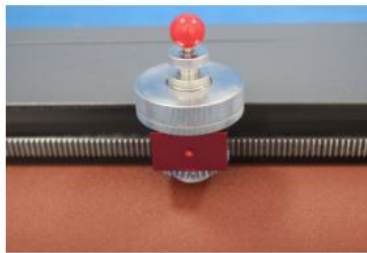


Certified DIN Abrasion Tester Supplier

The method conforming to ASTM D5963 / ISO 4649 has proven to be the best way of simulating long term wear. This method enables comparative tests for the control of the uniformity of a specific material. The achieved test results provide important parameters with respect to the wear of elastomers in practical use. The abrasion resistance is measured by moving a test piece across the surface of an abrasive sheet mounted to a revolving drum, and is expressed as volume loss in cubic millimeters or abrasion resistance index in a percentage. Learn more about the [significance of DIN Abrasion Testing](#).



DIN Abrasion Specimen Holder
Device



DIN Abrasion Tester Ready for
Operation



DIN Abrasion System Drum with
Grinding Paper

Technical Specifications

DIN Abrasion Testing System – GenDIN	
Load	2.5±0.1N; 5±0.1N; 10.0±0.2N
Specimen Size	Diameter 16mm, thickness 6-16mm
Rotating Drum Diameter	150mm
Rotating Drum Speed	40 ±1RPM
Emery Cloth Specification	60 #, 425 ±473 ±1.5 (mm)
Testing Length	40M (about 84 rotations)
Horizontal displacement	4.2mm / rotation
Test-Arm weight	250 ± 5 (g)
Shift Screw	6 teeth / inch
Limit Rotation	85 rotations
Set Rotation	84 Rotations (about 40M)
Return Form	Automatic Electric Reset
Power	110V/60Hz or 220V/50Hz
Machine Dimensions (W x D x H)	70 x 30 x 30 (cm) 27.55 x 11.80 x 11.80 – inches
Machine Weight	61 kg / 134 lbs



DIN Abrasion Tester Consumables

GenDIN can be purchased with a full scope of DIN Abrasion consumables for your current and long-term needs. The consumables include abrasive paper, circular cutting device, standard rubber slabs, additional 10N loading weights and more. You purchase your DIN consumables with or after the order of the main instrument. Additionally, NextGen often offers special consumables bonus incentives. Ask us for our best consumables offer by [request quotation](#) today.



Specimen Sample Cutting Tool



10pcs Brushes



DIN Abrasion Paper Kit



Digital Display Screen



Certified DIN Abrasion Testing Systems



Spare Parts and Consumables

Part Number	Description of Part #
NG-DINPaperKit	5 sheets of 474 x 402 mm abrasive paper
NG-DINSampleCutter	Circular cutting device - knife Ø 16.2 mm, shaft Ø10 mm
NG-DINAbradingSteel	Abrading steel for smoothing abrasive paper
NG-Standard Rubber No. 1	100 pcs of Ø 16 ± 0.2 mm x 6 mm (Ø 0.630 ± 0.008 x 0.237 in.) according to ASTM D5963
NG-DIN10N	Additional 10N loading
fm05007	An integrated drum cleaning device
NG-DINTape	Double Sided Heat Resistance Tape Compatible with DIN Abrasion Testing System
NG-DINBrush	10 pcs of brushes (installed on the cleaning device)

Lead Time

3-8 Weeks Depending on when the PO is placed

* Request a [formal quotation](#) or send an e-mail to sales@nextgentest.com for the most up-to-date pricing and applicable discounts and incentives