

## Elcometer Taber® 5750 Linear Abraser



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### At a glance

- *Simple to use abrader ideal for small and curved surfaces.*
- *Wide range of abrasion media.*
- *Adjustable speed to stroke length.*

Each Taber® 5750 Linear Abraser includes:

- Wearaser™ Collet and Spline Shaft (350g)
- 250g Weight Discs (Pack of 3)
- CS-10 Weasasers™ (Pack of 10)
- H-18 Wearasers™ (Pack of 5)
- Power Cords (115V & 230V)
- Hex L-Key Tool
- Wearaser™ Depth Tool Gauge
- S-14 Refacing Strips (Pack of 50)
- Hand Brush

Standard features include:

- Stroke lengths of 0.5", 1.0", 2.0", 3.0", 4.0"
- Variable stroke speed from 2 – 75 cycles per minute
- Preset stroke speed buttons for 2, 15, 25, 30, 40, 60 cycles per minute
- Variable load from 350 – 2100g with optional weight discs
- Stainless steel Wearaser™ Collet for use with vitrified or resilient Wearasers™
- Laser alignment guide
- Interface port for remote start / stop
- 115V / 230V switchable

### Taber® 5750 Linear Abraser

Whatever your product, be it curved, round, big or small, the new Linear Abraser from Taber® can test it all. Using a free floating head to follow the contours of the sample, the Taber® 5750 is the ideal abrasion tester.

Abrasion media, Length of Stroke, load and speed of stroke can all be user defined to meet your particular requirement.

The Linear Abraser abrades with a Wearaser™. The size and shape of a pencil eraser, the Wearaser™ uses the same high quality Taber® abrasive media as used on the Taber® Rotary Abrasers.

Choose from a wide selection of abrasion Wearasers™ to simulate real-life wear conditions.

### Washability, Brushability and Abrasion Testers

Improved mechanical resistance is part of today's quality requirements. One important criteria for assessing this feature is abrasion resistance. Depending on the nature and purpose of the product, various testing methods are available.

There are testing methods related to the "abrasion by friction" concept. Others are based on the projection of abrasive particles on to the test specimen. These techniques provide valuable information about materials and processes.

To meet industry's growing needs for research and control, Elcometer develops, manufactures and supplies a range of instruments designed for wear resistance tests. Standardised or conventional, these tests are widely used for numerous applications.

Model	Description	Part Number
Elcometer 5750	Linear Abraser (115/230V, 60/50Hz)	ST985750
<b>Accessories</b>	Wearaser™ Collet Kit, Aluminium	ST131852
	Wearaser™ Collet Kit, Plastic	ST131852-1
	Scratch Kit, Stainless Steel (includes 139-55 & 139-56 tools, 7x measuring magnifier)	ST130575
	Scratch Kit, Aluminum (includes 139-55 & 139-56 tools, 7x measuring magnifier)	ST131604
	Conical Diamond Tool with 90°, 3 mil (.003") radius point	ST121006
	Conical Diamond Tool with 90°, 3.5 mil (.0035") radius point	ST121006-1
	Coin Holder Attachment – 45°	ST131716-1
	Coin Holder Attachment – 60°	ST131716-2
	Coin Holder Attachment – 75°	ST131716-3
	Crock Meter Kit (includes finger, clamp ring & cloths)	ST130570

## Taber® Abrading Wheels & Wearasers™



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Taber® Abrading Wheels are available in five levels of abrasiveness to suit a wide range of material testing applications.

Wool felt or plain rubber wheels test delicate materials or the abrasiveness of materials such as dental powders. Wheels which feature abrasive particles in a resilient matrix of rubber or a hard matrix of vitrified clay are suitable for stiffer materials.

- *Calibrase*® - a resilient wheel composed of rubber and aluminium oxide abrasive particles
- *Calibrade*® - a non-resilient wheel composed of vitrified clay and silicon carbide abrasive particles
- *Wool Felt* - contains no abrasive particles
- *Plain Rubber* - contains no abrasive particles unless used with sandpaper strips
- *Tungsten Carbide* - severe cutting and tearing action with helical teeth for use on resilient materials such as rubber, leather or floor coverings.

Model	Type	Composition	Abrasive Action	Rotary Abraser Wheel Set Part Number	Linear Abraser Wearaser™ Part Number
CS-10F	Resilient	Rubber and Abrasive Grain	Very Mild	ST125321	ST130684
CS -10	Resilient	Rubber and Abrasive Grain	Mild	ST125320	ST130685
CS -17	Resilient	Rubber and Abrasive Grain	Harsh	ST125322	ST130686
H -10	Non-Resilient	Vitrified Clay	Coarse	ST125323	-
H - 18	Non-Resilient	Vitrified Clay	Medium Coarse	ST125324	ST130681
H - 22	Non-Resilient	Vitrified Clay	Very Coarse	ST125325	ST130682
H - 38	Non-Resilient	Vitrified Clay	Very Fine, Hard	ST125326	-
CS - 0, S - 32	Resilient	Non-Abrasive Rubber	Very Mild	ST125344	-
S - 42	Resilient	Sand Paper Strips	Medium	ST125564	-
S - 33	Resilient	Sand Paper Strips	Fine	ST121124	-
CS - 5	Resilient	Wool Felt	None	ST125319	-
S - 35	Non- Resilient	Tungsten Carbide	Severe Cutting or Tearing Action	ST125345	-

## Related Products



Elcometer 1720

This robust and easy to use Abrasion Tester is extremely flexible and is designed to test the washability, brushability and abrasion resistance of a wide range of materials, including paint, laquers, inks, coatings and much much more. Unlike most washability testers, this unit is easy to set up and is available as either a 2 or 4 station model and can measure on flat or curved surfaces.



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5130

Often referred to as the industry standard the Taber rotary abrasers are written in to many standards throughout the world in many different industries. A sample of the product is positioned onto a rotating table and the user's choice of abrading wheels then apply the unique 'tearing' or abrasion pattern.

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