

Specimen Tables

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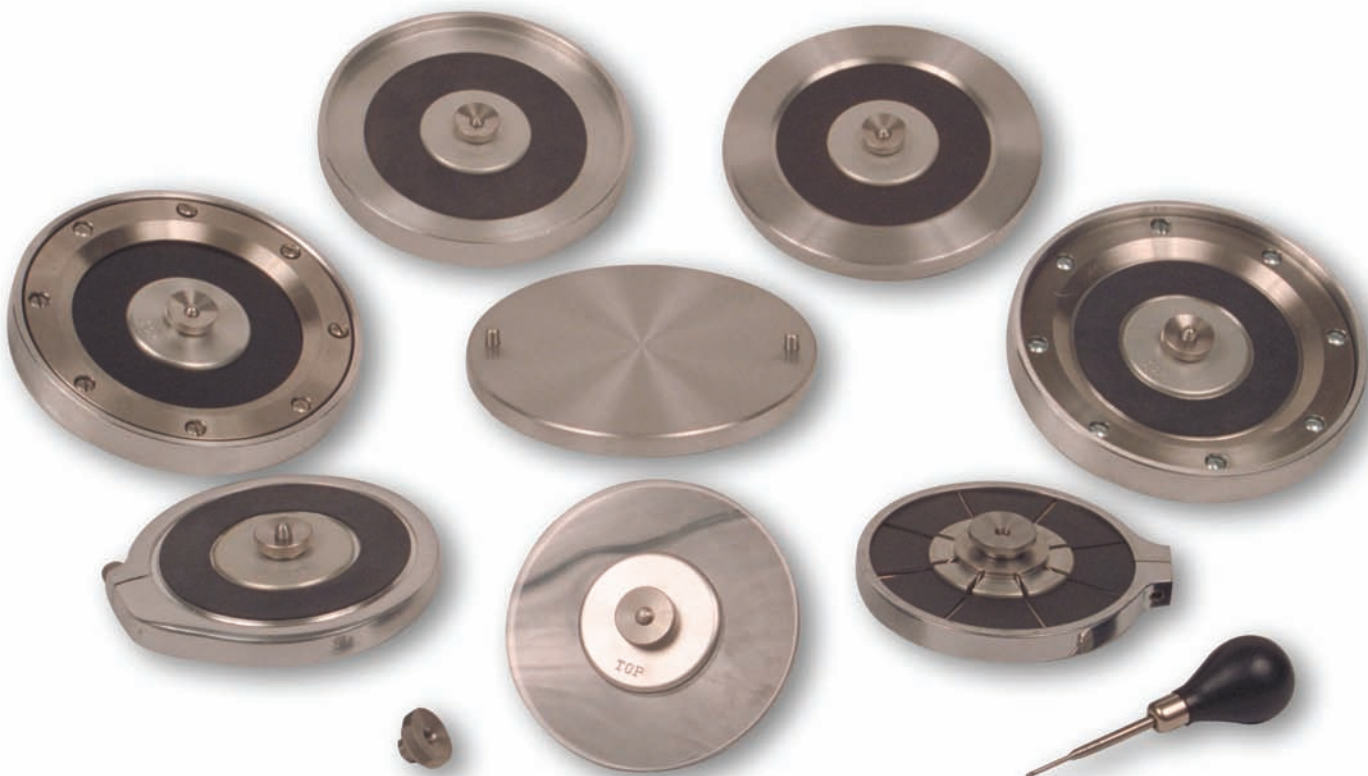
Taber[®] Abraser Mounting Options

Standard table satisfies most applications.

The model E100-125 specimen table equipped with the Taber Abraser has been designed to work with most materials. This 4 1/4" (108mm) diameter table includes a clamp plate and nut to test rigid materials, and a specimen hold-down ring (E100-101) to be used for flexible materials. A rubber pad (S-19) is provided to ensure a non-slip surface.

Different configurations designed for specific materials.

To expand the versatility of the Taber Abraser, interchangeable specimen tables are available to evaluate materials not easily tested with the standard table. Engineered with a spring clutch, all tables lock onto the motor shaft to prevent shifting during testing but can be removed for specimen inspection or to clean the motor shaft cavity.



Specimen Tables

Taber® Abraser Mounting Options

Test Material	Model	Specimen Holder Description	Specimen Size	Test Conditions
Rigid, flat	E100-125	Standard – test most rigid or flexible specimens (use with E100-101 or 102 Hold Down Ring)	4" (100mm) square or 4 ¹ / ₄ " (108mm) diameter, with 1/4" (6.5mm) center hole*	Dry
Rigid, flat	E140-75	Rimmed – a 3/8" (9.5mm) raised rim retains liquids, allowing you to determine the effect of absorbed and / or surface moisture on abrasion resistance	4" (100mm) square or 5 ¹ / ₂ " (140mm) diameter, with 1/4" (6.5mm) center hole*	Wet
Rigid, warped	E140-21	NEMA Threaded Ring – incorporates a clamp plate and flanged clamp ring to test slightly warped specimens, ring is threaded to the body of the holder which secures the outer edges of the specimen	4" (100mm) square or 5 ³ / ₈ " (135mm) diameter, with 1/4" (6.5mm) center hole*	Dry
Rigid, warped	E140-14	Ring Clamp – eight (8) screws spaced evenly on the clamp plate allows you to test slightly warped specimens; furnished with (S) or without (NS) center screw	5 ³ / ₈ " (135mm) diameter, with 1/4" (6.5mm) center hole*	Wet or Dry
Rigid, square	E140-19	Drive-Pin Type – used for rigid, square specimens without the need for a center hole, attach specimens using S-37 or S-37-1 mounting sheets	4" (100mm) square	Dry
Rigid, Flat		Sliding Mount – four adjustable retainers permit testing of four 2" x 2" specimens	2" (50mm) square with 0.3" x 45 degree chamfer	Dry
Flexible	E-3945	Multiple Specimen – divided into eight (8) sections, holder permits simultaneous testing of lightweight, flexible specimens	Cut to template	Dry
Flexible	E140-15	Textile, Tensioning Type – incorporates a raised wear track to provide extra tensioning to the material when the hold down ring is drawn down over the edge of the holder and the clamp plate is mounted	5 ¹ / ₄ " (135mm) diameter, with 1/4" (6.5mm) center hole	Dry
Flexible	E140-18	Textile, Rimmed – provides an initial stretch to woven fabrics, thereby minimizing the tendency to wrinkle if tested wet	6 ¹ / ₄ " (160mm) diameter, with 1/4" (6.5mm) center hole	Wet or Dry
Flexible	E100-10	Transparent Plastic – enables textile specimens to be viewed against a light source to determine wear characteristics without having to remove the specimen from the holder (use with E100-101 or 102 Hold Down Ring)	5 ¹ / ₄ " (135mm) diameter, with 1/4" (6.5mm) center hole	Dry
Flexible	E100-101	Hold Down Ring – ID 4 ¹ / ₄ " (108mm) – for flexible materials up to 1/32" (0.8mm) thick		
Flexible	E100-102	Hold Down Ring – ID 4 ⁵ / ₁₆ " (110mm) – for flexible materials up to 1/16" (1.5mm) thick		
	S-21	Extension Nut – use when sample thickness is 1/4" (6.5mm) to 1/2" (12.5mm)	requires 3/8" (9.525mm) center hole	

Notes: Use hold down ring and clamp plate for flexible specimens so vacuum does not lift specimen.

* When using S-21 Extension Nut, center hole must be 3/8" (9.525mm).



Setting the Industry Standard

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