rycobel

Taber® Abrading Wheels

Used with the Taber Rotary Platform Abraser, two abrasive wheels create the circular wear path recognized as a "Taber test." As specimens are subjected to the rub-wear action of the wheels, the abrasion marks form a pattern of crossed arcs resulting in a circular ring. This process abrades the sample over all angles of grain or weave, and covers an area approximately 30 cm^2. Taber abrading wheels are manufactured from a proprietary formulation developed and designed by Taber Industries so the binder material breaks down during use, exposing and creating a fresh abrading surface. Taber offers standardized grades of Genuine Taber abrasive wheels, which have been engineered to meet varying requirements of abrasive action. The choice of abrading wheels should be based upon the wear the specimen material will be subjected to in actual use.

- Offered in a range of wear characteristics
- Calibrase wheels include easy-glide wheel hub
- Sold in pairs
- Shipped in tight-lidded containers to prevent damage
- Rigorous quality program maintains uniformity and consistency
- Premium grade us abrasive materials ensure test repeatability
- Traceable through manufacturing lot reference included on each wheel label
- Custom formulations available

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CALIBRASE® ABRADING WHEELS
Composed of a resilient (polymeric) binder and aluminum oxide or silicon carbide abrasive particles.

Model	Abrasive action	Examples of materials tested	Notes
CS-8	Extremely Mild	Labels	Do not exceed 500g load; reface with S-11 disc
CS-10F	Very Mild - Mild	Safety glazing, transparent plastics	Do not exceed 500g load; reface with ST-11 refacing stone
CS-10	Mild - Medium	Organic coatings, plastics, textiles, leather	Reface with S-11 disc
CS-10P	Mild - Medium	Paper	Engineered to minimize loading caused by paper fibers; reface with S-11 disc
CS-10W	Mild - Medium	Textiles	No colorant, eliminates color transfer from the wheel to the specimen; reface with S-11 disc
CS-17	Medium - Harsh	Anodized aluminum, powder coatings, ceramics, plastics and enamels	Reface with S-11 disc

CALIBRADE® ABRADING WHEELS
Composed of a nonresilient vitrified (clay) binder and silicon carbide or aluminum oxide abrasive particles.

Model	Abrasive action	Examples of materials tested	Notes
H-38	Mild	Woven and non-woven fabrics	Do not exceed 500g load; reface with multi-point diamond tool
H-10	Mild - Medium	Steel and ferrous alloys (including the effect of hardening and tempering treatments)	Reface with single-point diamond too
H-18	Medium - Coarse	Rubber (non-tacky), woven textile fabrics, coated fabrics, flexible plastic sheet	Reface with single-point diamond too
H-22	Harsh	Rubber, linoleum, leather, automobile floor coverings, concrete	Reface with single-point diamond too

SPECIALTY WHEELS & ABRADANTS
Used for unique or custom applications

Model	Description	Examples of materials tested	Notes
CS-0 / S-32	Rubber (non-abrasive)	Dental pastes, cleaning powders	Do not use after expiration date; clean with isopropyl alcoho
CS-5	Wool Felt (dense)	Textile fabrics (when the service wear requires one fibrous material to rub against another)	Do not exceed 500g load
S-35	Tungsten Carbide	Rubber, linoleum, leather	Consists of sharp helical teeth (1 mm pitch x 45˚ spiral pitch angle); clean with soft brass bristle brush; use ONLY on resilient materials
S-39	Leather (adhered to brass hub)	Flooring (when used with Grit Feeder attachment)	Requires break-in period of 2000 cycles; replace if minimum diameter is less than 46 mm
S-24	Aluminum (non-abrasive)	Resilient materials, coated abrasives	Clean with isopropyl alcohol
S-33	Sandpaper Strips	Vitreous and porcelain enamels, paints, metallic coatings, furniture surfaces	Use with CS-0 wheels; 12.7 x 160 mm strips include adhesive; P320A FEPA aluminum oxide (avg. particle 46.2µm) closed coat on "A" weight paper (70 - 100 g/ m^2)
S-42	Sandpaper Strips	High pressure decorative laminates, wood flooring, plastics, furniture surfaces, paints and varnishes	Use with CS-0 wheels; 12.7 x 160 mm strips include adhesive; P320A FEPA aluminum oxide (avg. particle 46.2µm) closed coat on "A" weight paper (70 - 100 g/ m^2)