



Emerson Type Rubber Buffer



ElasTek™ features the Emerson Type Rubber Buffer which is designed for preparing test pieces from rubber vulcanizates, particularly products, that do not have a form or size suitable for testing.

[ASTM D3183](#) “*Standard Practice for Rubber – Preparation of Pieces for Test Purposes from Products*”, describes the means for preparing test specimens that are too thick, have uneven surfaces, or contain textiles using the Emerson Type Rubber Buffer Apparatus.

The ElasTek™ Emerson Type Rubber Buffer features an integral vacuum and debris collection container which reduces specimen contaminants and provides a cleaner operating environment.

The 36 grit, 127 mm (5 in.) diameter, diamond buffing wheel affords rapid removal of material of even the most abrasion resistant stock. Buffing wheels of different sizes and abrasiveness are available to accommodate virtually any elastomeric material. A diamond dressing tool is also included to accurately and uniformly restore the abrading surface of the wheel.

The buffing wheel is applied to the specimen surface using a dial micrometer feed mechanism which is accurate to within 0.05 mm (0.002 in.). The specimens are secured by platens which are supplied as accessory items and should be chosen by the user based on the configuration of the test piece.

There are two different platen styles. The flat platen is designed for flat specimens which are for samples that will lay flat by simply being secured on each end. The rotary style is designed for irregularly configured specimens such as wire, cable, hose, tubing, etc., which require that they be secured by wrapping them around a drum.

Each style, the rotary and the flat, are available in two sizes ... short and long. All employ a quick release clamp for simplified installation and removal of specimens.

#### Platens for Flat Specimens



Short Flat



Long Flat

## Platens for Irregular Specimens



Rotary Short



Rotary Long

### ElasTek™ Emerson Type Rubber Buffer: Specifications

Platen Description	Length of Specimen	Length of Buffed Area
Flat Short:	140 – 165 mm (5.5 – 6.5 in.)	51 mm (2.0 in.)
Flat Long:	178 – 203 mm (7.0 – 8.0 in.)	102 mm (4.0 in.)
Rotary Short:	152 – 165 mm (6.0 – 6.5 in.)	102 mm (4.0 in.)
Rotary Long:	419 – 457 mm (16.5 – 18 in.)	279 mm (11 in.)
Electrical Supply:	230 / 115 VAC 60 Hz or 220 / 115 VAC 50 Hz	
Weight:	29.5 kg (65 lb.)	
List Price:	<a href="#">Please Submit a Request for Quotation (RFQ)</a>	

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