

## Specification

	standard <b>ABREX®</b>	<b>ABREX®-E</b>	<b>ABREX®-A</b>	<b>ABREX®-D</b>	<b>ABREX®-C</b>	<b>ABREX®-CE</b>
<b>Load</b>	1-20 N					
<b>Friction Path</b>	4-40 mm					
<b>Standard Cyclic Speed</b> (Abrasion, cleanability tests)	6 ± 0.5 cm/s			6 ± 0.5 cm/s (S mode); 20 cm/s (D mode)	6 ± 0.5 cm/s	
<b>Scratch Speed</b> (single stroke)	N/A	20 ± 2cm/s & 70 ± 5 cm/s acc. to GS97034-2 for fingernail test 70 ± 5 cm/s acc. to GS 97034-3 for shoe sole test.	N/A*	N/A	6 ± 0.5 cm/s	20 ± 2cm/s & 70 ± 5 cm/s acc. to GS97034-2 for fingernail test 70 ± 5 cm/s acc. to GS 97034-3 for shoe sole test.
<b>Cycles</b>	1-10,000,000					
<b>Piston</b>	20mm Standard 10mm Standard	20mm Standard 10mm Standard	20mm Standard 10mm Standard	20mm Standard 10mm Standard	both 10mm & 20mm for 3 temperature range: -40-0°C   0-30°C and 30-85°C	both 10mm & 20mm for 3 temperature range: -40-0°C   0-30°C and 30-85°C
<b>Liquid</b>	Automatic   Manual					
<b>Fabric</b>	Automatic   Feed Adjustable					
<b>Electricity</b>	230V / 50Hz; 110V / 60Hz					
<b>Compressed Air</b>	4 bar, external, oil free, water free					

ABREX® can be upgraded to ABREX®-A & ABREX®-D & ABREX®-E respectively.

\* ABREX®-A can run both standard abrasion test and special "swiping mode" with test condition of friction path of 20mm @ 5N @ 2Hz. Other frequency, friction path and load can also be achieved upon request.