

## Shoes Accessories Testing Equipment

### GT-K19 Velcro Fatigue Tester

This tester is applicable for repeatedly open and close motion for touch and close fasteners and velcro tapes.

#### Standards

DIN 3415, BS EN ISO 22776, BS EN ISO 22777

SATRA TM123, GB/T3903.20, GB/T3903.21, GB/T 23315



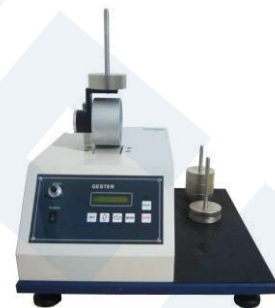
### GT-K20 Velcro Closing Tester

It is intended to press the two parts of the touch and close fastener together under controlled conditions, prior to determining the peel and shear strength.

#### Standards

DIN 3415, BS EN ISO 22776 , BS EN ISO 22777

SATRA TM123, GB/T3903.20, GB/T3903.21



### GT-KB44 Elastic Tape Fatigue Testing Machine

It is to determine its repeatedly extend performance under maximum extension for elastic fabric and elastic band, also can be used to determine fatigue resistance of extensible material.

#### Standards

SATRA TM103



### **GT-KC02 Shoelace Rubbing Tester**

This machine is used to test the abrasion resistance for shoelace of cotton, hemp, chemical fiber or other materials.

#### **Standards**

DIN 4843 SATRA TM 154 ISO 22774  
QB/T 2226 GB/T 3903.36



### **GT-KC03 Shoelace Against Eyelets Abrasion Tester**

This tester is used for shoelace against standard eyelet abrasion testing, or eyelet against standard shoelace abrasion testing. This tester is suitable for all kinds of shoelace and eyelet.

#### **Standards**

SATRA TM93



### **GT-C39A Zipper Fatigue Tester**

It is used to do a variety of zipper reciprocating tests, by testing in a continuous back and forth action. The ultimate aim is to test the zipper to create a distance between joints, loose or connector failure, fluff, wear, etc.

#### **Standards**

CNS -1083 , BS 3084 , QB/T2171



### **GT-KC29 Safety Glove & Shoe Upper Cutting Tester**

This machine is used for safety glove protect area and shoe upper cutting testing, but it is not suitable for the glove made of hard materials.

#### **Standards**

EN 388 section 6.2 ISO 20344 section 6.14  
AS/NZS 2210.2 section 6.14 AQ 6102 section 4.3.2  
GB/T 20991 section 6.14



## Universal Testing Machine



It is designed for conducting tensile, compression, bending, shearing, bonding strength, peeling, tearing and other tests for shoes, rubber, plastic, leather, metal, nylon line, fabric, paper, aviation, packaging, construction, and other materials.

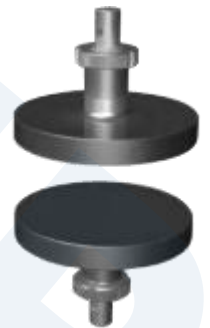
Model	GT-K01	GT-K03	GT-K04
Max. Capacity	5KN,10KN, 20KN	50N, 100N, 200N, 500N, 1KN, 2KN, 2.5KN	
Display	Computer display		LCD display
Standards	SATRA TM5, TM53, TM52, TM51, TM108, TM113, TM117, TM118, TM120, TM123, TM149, TM162, TM401, TM 411, TM 410, ASTM D 751/2209 /412/624 FIA 1206, BS5131- 3.7, 5.11, 5.13 , BS 5131-2.6 ISO22650, ISO 19958, ISO 3377-1, ISO 3377-2, ISO 11644, ISO 20866, ISO 20867, ISO19957, ISO20874, ISO20344-5.2.4, ISO 20345-5.3.1.2, ISO17698, ISO20875, ISO22777, ISO22776, ISO22654, ISO20863, ISO20876, ISO17695, ISO17697, ISO34-1, ISO36, ISO37, ISO 17708, ISO 17696, ISO17706, ISO 22650 AS/NZS 2210.2-5.2.4 DIN 53331, GB/T 3903.8, GB/T 3903.9, GB/T3903.14 ,GB/T3903.20, GB/T3903.21, GB/T3903.22, GB/T 3903.23 , GB/T 3903.24, GB/T 3903.25, GB/T 3903.26, GB/T 3903.29, GB/T3903.32,GB/T 3903.39,GB/T 3903.40, GB/T 3903.43, GB/T 4689.20, GB/T20991-5.2.4, GB 21148-5.3.1.2, GB/T 17928, GB/T529, GB/T528, GB/T532, GB/T1143, GB/T21396, QB/T 11413, QB/T 2711, QB/T2675, QB/T2883, QB/T4118, QB/T4198 HG/T 2726, HG/T 2877, HG/T4805		

**Detailed Specification of Grips**

Model	KE-1 ( <b>Universal Grips</b> )
Capacity	500kg
Application range	Rubber, plastic, metal, leather, textiles, etc.
Clamping surface	Serrated metal surface
Clamping methods	Manual clamping
Max. allowable sample thickness	0-19.5 (mm)
Clamping area	40 x11 mm (W*H)
Dimension of upper fixture	50x50x250 mm (W*D*H)
Dimension of lower fixture	50x50x250 mm (W*D*H)
Standard	ASTMD 751/2209 /412/624 FIA 1206, SATRA TM401, TM118, TM 53, TM52, TM51, TM123 BS5131-5.11, 3.7, 5.13, 2.6 GB/T3903.12, GB/T3903.20, GB/T3903.21, GB/T3903.43, GB/T529, HG/T 2877, HG/T 2726 ISO20872, ISO22777, ISO22776, ISO17697, ISO34-1



Model	KE-2 ( <b>Compress Platen Grips</b> )
Capacity	1000kg
Application range	Rubber, plastic, metal, etc.
Clamping methods	Manual clamping
Clamping area	∅ 100mm (W*H)
Dimension	100x100x300 mm (W*D*H)



Model	KE-3 ( <b>Heel Pull-out Grips</b> )
Capacity	300kg
Application range	heels of high-heel
Clamping methods	Manual clamping
Dimension of upper fixture	100x60x380 mm (W*D*H)
Dimension of lower fixture	300x120x160 mm (W*D*H)
Standard	QB/T 11413



Model	KE-4 ( <b>Stitch Tear Resistance Grips</b> )
Capacity	50kg
Application range	Natural leather, synthetic material, knitted fabric
Clamping methods	Manual clamping
Dimension of upper fixture	70x20x120mm (W*D*H)
Dimension of lower fixture	50x50x250mm (W*D*H)
Standard	GB/T 17928, DIN 53331



Model	KE-5 ( <b>Stitch Split Grips</b> )
Capacity	50kg
Application range	Semi rigid or rigid plastic sheet, rubber sheet
Clamping methods	Manual clamping
Rectangular hole of upper fixture	12.0±0.5 x 6.0±0.5 mm
Dimension of upper fixture	60x40x110 mm (W*D*H)
Dimension of lower fixture	100x50x100 mm (W*D*H)
Standard	SARTA TM 5, GB/T3903.32, BS5131-4.3, ISO20876



Model	KE-6A ( <b>Heel Pull-off Grips A</b> )
Capacity	100kg
Application range	Heels with heel lift, Block-heel shoes with separate adhesive heel
Clamping methods	Manual clamping
Wire diameter	1.2mm
Dimension of upper fixture	140x40x270 mm (W*D*H)
Dimension of lower fixture	50x50x250 mm (W*D*H)
Standard	SARTA TM108, TM113, ISO22650, GB/T 3903.25



Model	KE-6B ( <b>Heel Pull-off Grips B</b> )
Capacity	100kg
Application range	Stiletto shoes with separate adhesive heel
Clamping methods	Manual clamping
Dimension of upper fixture	80x40x280mm (W*D*H)
Dimension of lower fixture	50x50x250mm (W*D*H)
Standard	SARTA TM113, ISO22650, GB/T 3903.25



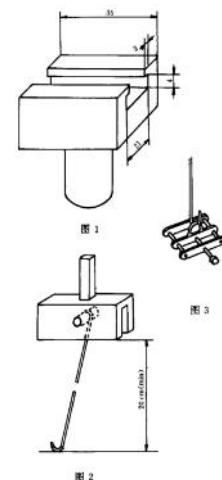
Model	KE-7 ( <b>Top-Piece Attachment Strength Grips</b> )
Capacity	100kg
Application range	Heels with heel lift
Clamping methods	Manual clamping
Screw	M3 or M4
Wire diameter	2mm
Dimension of upper fixture	50x50x350 mm (W*D*H)
Dimension of lower fixture	50x50x330 mm (W*D*H)
Standard	ISO 19958, GB/T 3903.23, BS5131-5.9



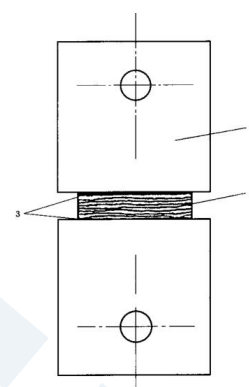
Model	KE-8 ( <b>Leather Tearing Grips</b> )
Capacity	50kg
Application range	Leather
Clamping methods	Manual clamping
Dimension of upper fixture	30x30x170 mm (W*D*H)
Dimension of lower fixture	30x30x170 mm (W*D*H)
Standard	SATRA TM162, QB/T 2711, ISO 3377-2



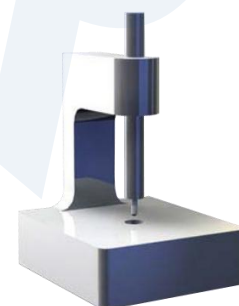
Model	KE-9 ( <b>Coated Leather Peel Grips</b> )
Capacity	15kg
Application range	Coated leather
Clamping methods	Manual clamping
Sample dimension	100x10mm
PVC Plywood	70x20x3mm
Dimension of upper fixture	50x30x350 mm (W*D*H)
Dimension of lower fixture	200x40x130 mm (W*D*H)
Standard	GB/T 4689.20, ISO 11644



Model	KE-10 ( <b>Delamination Peel Strength Grips</b> )
Capacity	500kg
Application range	Midsole or insole materials
Clamping methods	Manual clamping
Sample dimension	Diameter 38mm
Dimension of upper fixture	39x39x140 mm (W*D*H)
Dimension of lower fixture	39x39x140 mm (W*D*H)
Standard	GB/T 3903.8, ISO 20866, BS5131-4.13



Model	KE-11 <b>(Shoes Insole Pin Holding Strength Grips)</b>
Capacity	200kg
Application range	Shoes insole
Clamping methods	Manual clamping
Cooperating fixture	KE-2
Fixture dimension	100x120x200 mm (W*D*H)
Standard	GB/T 3903.9, ISO 20867



Model	KE-12 ( <b>Heel Pin Holding Strength Grips</b> )
Capacity	200kg
Application range	Shoes heel
Clamping methods	Manual clamping
Wire diameter	2mm
Dimension of upper fixture	50x50x120 mm (W*D*H)
Dimension of lower fixture	50x50x250 mm (W*D*H)
Standard	ISO 19957, GB/T 3903.24, BS5131-4.20



Model	KE-13 ( <b>Outsole Needle Tear Strength Grips</b> )
Capacity	50kg
Application range	Shoes outsole materials
Clamping methods	Manual clamping
Needle diameter	1mm
Dimension of upper fixture	50x50x110 mm (W*D*H)
Dimension of lower fixture	50x50x250 mm (W*D*H)
Standard	ISO 20874, GB/T3903.14



Model	KE-14 ( <b>Shoe Sole &amp; Upper Bonding Strength Grips</b> )
Capacity	200kg
Application range	Sole outsole material
Clamping methods	Manual clamping
Dimension of upper fixture	70x50x250 mm (W*D*H)
Dimension of lower fixture	50x50x250 mm (W*D*H)
Standard	GB/T20991- 5.2.4, GB/T532, GB 21148- 5.3.1.2, GB/T 3903.29, GB/T 3903.39, ISO 20344-5.2.4, ISO 20345-5.3.1.2, ISO 36, ISO 17698, ISO 20875 AS/NZS 2210.2-5.2.4, HG/T4805, BS5131-5.14





Model	KE-15 ( <b>Wedge Grips</b> )
Capacity	1000kg
Application range	Rubber, plastic
Clamping methods	Manual clamping
Sample thickness	0~24mm
Clamping surface	40x50mm
Dimension of upper fixture	280x90x250 mm (W*D*H)
Dimension of lower fixture	280x90x250 mm (W*D*H)
Standard	GB/T3903.22, GB/T528, ISO22654, ISO37, BS5131-4.5



Model	KE-16 ( <b>Webbing Grips</b> )
Capacity	2000kg
Application range	Textile ribbon, leather, canvas, etc.
Clamping methods	Manual clamping
Max. allowable sample thickness	5mm
Maximum sample width	50mm
Dimension of upper fixture	190x70x200mm (W*D*H)
Dimension of lower fixture	190x70x200 mm (W*D*H)
Standard	ASTM D6775



Model	KE-17 ( <b>Single Yarn Grips</b> )
Capacity	50kg
Application range	Low intensity yarn
Clamping methods	Manual clamping
Max. allowable sample thickness	5mm
Clamping area	20x15mm
Dimension of upper fixture	80x50x60 mm (W*D*H)
Dimension of lower fixture	80x50x60 mm (W*D*H)
Standard	ISO 2062



Model	KE-18 ( <b>Nylon Thread Grips</b> )
Capacity	300kg
Application range	Nylon thread, sewing thread
Clamping methods	Manual clamping
Max. allowable sample thickness	5mm
Clamping area	20x15mm
Dimension of upper fixture	120x40x110 mm (W*D*H)
Dimension of lower fixture	120x40x110 mm (W*D*H)



Model	KE-19 ( <b>Eyelets Impact Grips</b> )
Capacity	100kg
Application range	Eyelets
Clamping methods	Manual clamping
Eyelets diameter	12mm
Fixture dimension	120x50x330mm
Standard	SATRA TM150



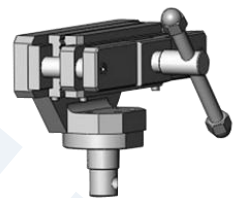
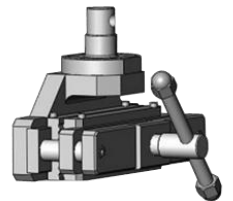
Model	KE-20 ( <b>Shoelace Pull Off Grips</b> )
Capacity	50kg
Application range	Shoelace
Clamping methods	Manual clamping
Dimension of upper fixture	50x50x250mm (W*D*H)
Dimension of lower fixture	60x50x60mm (W*D*H)
Standard	SATRA TM175



Model	KE-21 ( <b>Upper Material Deformation Test Grips</b> )
Capacity	100kg
Application range	Upper material
Clamping methods	Manual clamping
Effective internal diameter of specimen fixture	25mm
Burst ball diameter	20mm
Dimension of upper fixture	150x50x300mm (W*D*H)
Dimension of lower fixture	25x25x300mm (W*D*H)
Standard	GB/T3903.40, ISO 17695



Model	KE-22 ( <b>Plane Tensile Grips</b> )
Capacity	300kg
Application range	Leather, textiles, laces, etc.
Clamping methods	Manual clamping
Clamping surface	Plane or rubber surface
Max. allowable sample thickness	0-10 mm
Clamping area	40 x100mm (W*H)
Dimension of upper fixture	120x170x300 mm (W*D*H)
Dimension of lower fixture	120x170x300 mm (W*D*H)
Standard	QB/T2675, QB/T2883, QB/T4118, QB/T4198, BS5131- 3.7, ISO 17696, ISO17706, ISO 3377-1



Model	KE-23 ( <b>Pneumatic Grips</b> )
Capacity	500kg
Application range	Leather, textiles etc.
Clamping methods	Manual clamping
Clamping surface	Plane or rubber surface
Max. allowable sample thickness	0-10 mm
Clamping area	25 x75mm, or 25 x25mm (W*H)
Dimension of upper fixture	120x170x300 mm (W*D*H)
Dimension of lower fixture	100x50x300 mm (W*D*H)
Standard	ASTM D 2261, ASTM D 5034 EN20344-6.4.1, EN20344-6.3



Model	KE-24 ( <b>Ball Burst Test Grips</b> )
Capacity	200kg
Application range	Leather, textiles, etc.
Ball fixture	25.4mm
Ring inner diameter of lower fixture	44.45mm
Dimension of upper fixture	50x50x140 mm (W*D*H)
Dimension of lower fixture	120x80x160 mm (W*D*H)
Standard	ASTM D 3787



Model	KE-25 ( <b>Toe Compression Grips</b> )
Capacity	2000kg
Application range	Toe of safety shoes
Dimension of upper fixture	100x100x200 mm (W*D*H)
Dimension of lower fixture	100x80x50 mm (W*D*H)
Standard	EN20344-5.5



Model	KE-26 ( <b>Sole Puncture Grips</b> )
Capacity	500kg
Application range	Shoes sole materials
Shoes sole materials	Ø4.5mm
Diameter of test hole	Ø25mm
Dimension of upper fixture	50x50x90 mm (W*D*H)
Dimension of lower fixture	100x100x30 mm (W*D*H)
Standard	EN20344-5.8



Model	KE-27A ( <b>Rubber Ring Grips</b> )
Capacity	50kg
Application range	Rubber ring
Pulley diameter	Ø4.5mm
Dimension of upper fixture	100x40x90 mm (W*D*H)
Dimension of lower fixture	100x50x90 mm (W*D*H)
Standard	ISO 37, JIS K6251



Model	KE-27B ( <b>Rubber Ring Grips</b> )
Capacity	100kg
Application range	Rubber ring
Pulley diameter	Ø25mm
Dimension of upper fixture	100x40x90 mm (W*D*H)
Dimension of lower fixture	100x50x90 mm (W*D*H)
Standard	ISO 37, JIS K6251

