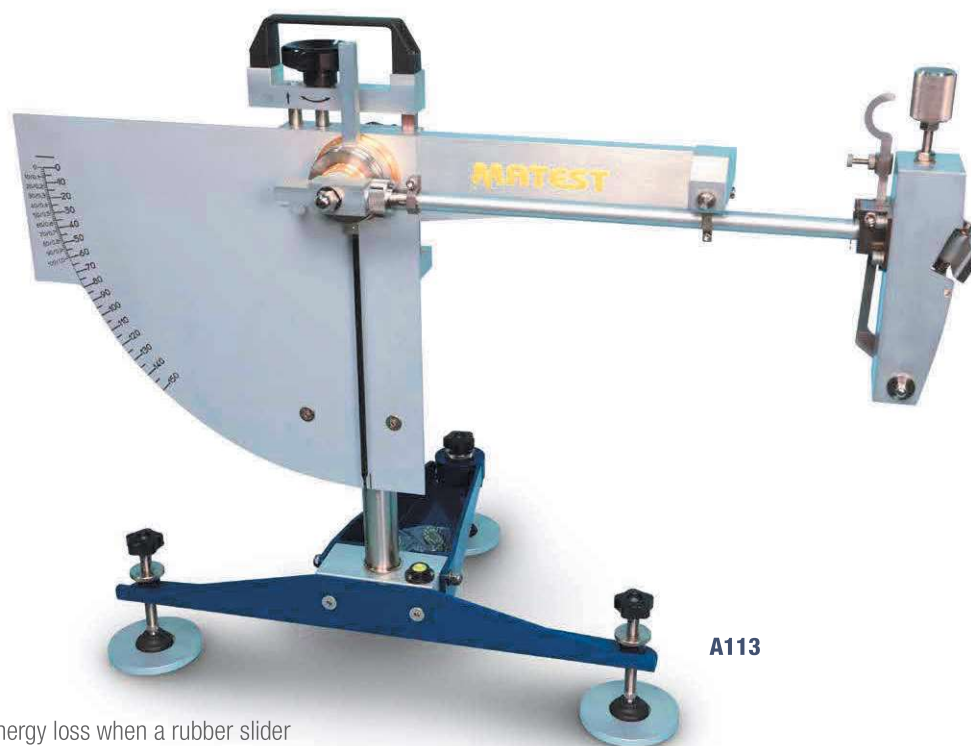


A113 SKID RESISTANCE AND FRICTION TESTER

STANDARDS: EN 1097-8 | EN 1338, 1341, 1342, | EN 13036-4 | EN 1436 | ASTM E303 (model A113-01)

MAIN FEATURES

- Suitable for both site and laboratory applications.
- Perfect for measuring pavement (road asphalt) surface frictional and skid resistance properties.
- Perfect for polished stone value tests on aggregates (curved specimens) from accelerated polishing tests.
- Suitable to perform tests on:
 - Natural stones conforming to EN 1341, 1342.
 - Concrete block pavers conforming to EN 1338.
- Accurate adjustment operations through an incorporated slider lifting device.
- Simple and reliable height adjusting system.
- High-precision results thanks to an extremely light pointer.



The tester measures the energy loss when a rubber slider edge is propelled over the surface under test. The release mechanism of the pendulum arm has an original solution reducing the friction to minimum for better accuracy.

The skid tester is supplied complete with:

- Additional incorporated scale for tests on Polished Stone Value specimens.
- Rule, made of plexiglass, for sliding length verification.
- Thermometer range -10 to $+110$ °C for surface temperature measurement.
- Stool, wash bottle, bristle and tool set for machine use.
- Carrying case.
- Calibration Certificate conforming to EN 1097-8 or ASTM E303 (model A113-01).

The tester is supplied **without** rubber sliders that have to be ordered separately (see accessories).

Case dimensions: 730x730x330 mm

Weight: 32 kg approx.

Note:

The tester is supplied calibrated to meet EN Specifications. On request the skid tester can be supplied to meet ASTM E303 Spec. (model A113-01)

A113-01 SKID RESISTANCE AND FRICTION TESTER

STANDARD: ASTM E303

As above, but calibrated to meet ASTM E303 Specifications.

ACCESSORIES

- A110-03** MOUNTED RUBBER SLIDER, TRL (55) rubber, 76 mm width for site use on road surface, complete with conformity certificate.
- A110-01** MOUNTED RUBBER SLIDER, TRL (55) rubber, 32 mm width for Polished Stone Value laboratory tests, complete with conformity certificate.
- A110-05** MOUNTED RUBBER SLIDER, 4S (96) rubber, 76 mm width (ceramics, marbles, paving tiles, sidewalk surface) complete with conformity certificate.
Standards: EN 13036-4
- A110-06** MOUNTED RUBBER SLIDER, TLR (57) rubber, 76 mm width, complete with conformity certificate. >>NEW
- A110-07** MOUNTED RUBBER SLIDER, TLR (57) rubber, 32 mm width, complete with conformity certificate. >>NEW
- A110-11** METAL BASE PLATE for Polished Stone Value tests in laboratory, and for tests on natural stones and concrete block pavers. Supplied **without** specimen clamping devices, to be ordered separately.
- A110-12** CLAMPING DEVICE for Polished Stone Value tests in laboratory.
- A110-13** CLAMPING DEVICE for tests on natural stones (EN 1341, 1342); for concrete block pavers (EN 1338) and skidding tests on wooden floor (EN 1339).
- A110-19** CALIBRATION PLATE float glass, EN 1097-8.
- A110-20** PINK LAPPING FILM (10 sheets) for Skid Calibration.
- A110-21** GREEN LAPPING FILM (10 sheets) for Skid calibration.
- >>NEW
- A110-22** PAVIGRES PLATE.
- >>NEW

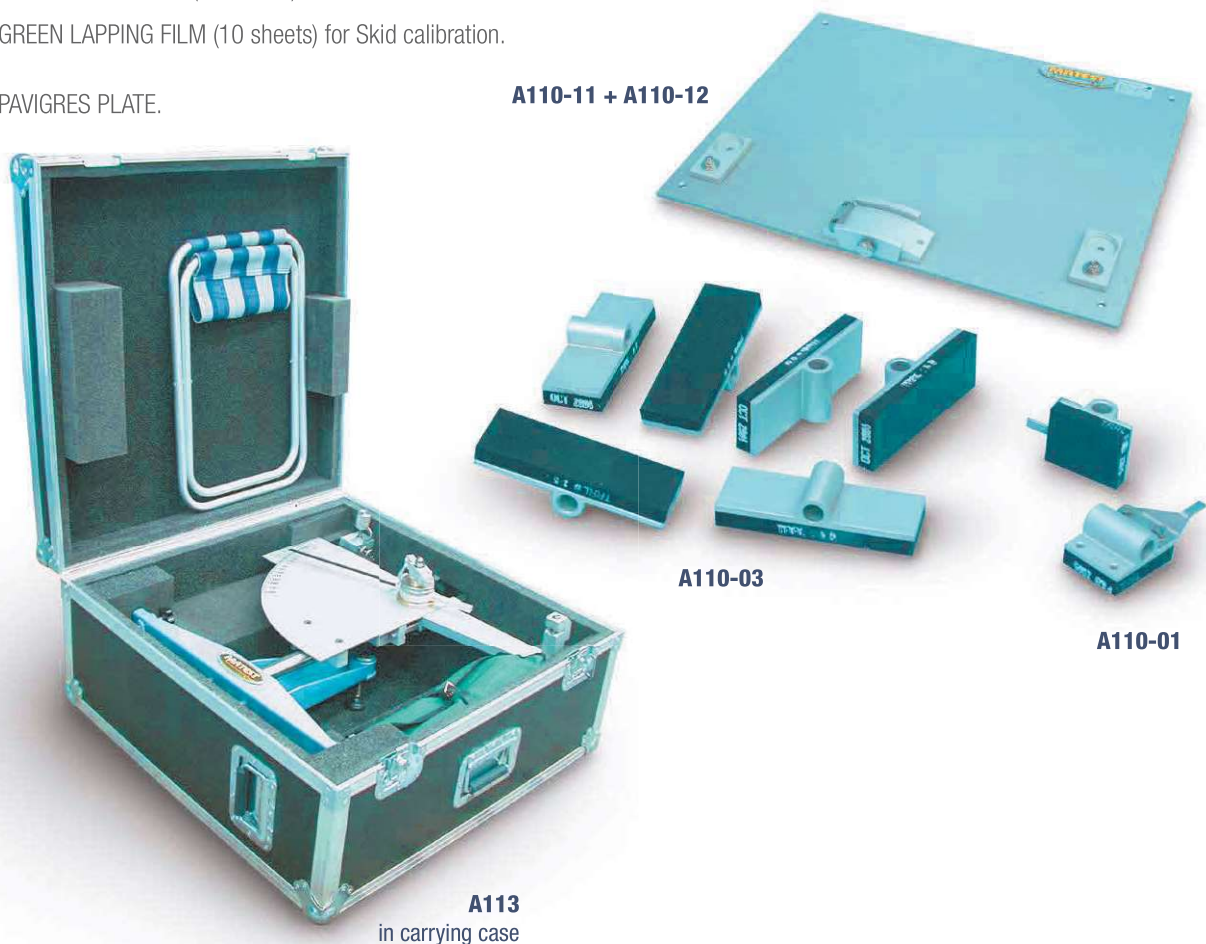
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SKID TESTER CALIBRATION CERTIFICATE
This certificate includes the results of the instrument test performed by the builder

Paragraph	Data detected under verification	Field of acceptability
1	Skid Tester - Serial number - Certificate N.	A113/AB/002248
2	Date of the test	05/03/2014
3	Temperature range verification	
	Ambient temperature at the beginning of verification	20 °C
	Ambient temperature at the end of verification	20 ± 3°C
4	Distance slider tip/rotation center	510 mm
		510 ± 5 mm
5	Height regulation width	50 mm
		≥ 50 mm
6	Alignment index with graduated scale	
	Alignment index error with reference on the graduated scale in the field of acceptability	OK
		± 0,1 mm
7	Pendulum mass	1505 grams
		1500 +/- 30gr
8	Distance gravity center of the arm	408
		410 ± 5 mm
9	Index weight	85 grams
		≤ 85 gr
10	Index length	300 mm
		300 ± 10 mm
11	Index balancing	Balanced
12	Spring stress (mid slider position)	22,2 N
		22,2 ± 0,5 N
13	Spring stress constancy	
	Deflection mm	Load gram
	0	38
	-1	2484
	-2	2490
	-3	2496
	-4	2505
	-5	2513
	-6	2522
	-7	2535
	-8	2544
	-9	2556
	-10	2567
	-11	2580
	-11,5	2588
		≤ 20 gram between one deflection and the other
14	Slider run, using the handle	10 mm
		≥ 6,5 mm
15	Slider run	11,5
		≥ 11 mm
16	Feet fluctuation (compared to base)	OK
17	Feet upright of the feet (compared to base)	OK
18	Releasing device, without friction	OK
19	Line-up index / arm	OK
20	Simulation of index zero point	OK
21	Slider angle (compared to horizon)	26 °
		26° ± 3°

Matest S.p.A. unipersonale
Direzione e coordinamento: Immobiliare Guerra s.r.l.
Via delle Industrie, 25 - 24045 Treviso (BG) Italy - Tel. +39 035 2056011 - Fax +39 035 2056055
Info@matest.com - www.matest.com
C.F. e P.IVA 01696470168 - R.E.A. BG n. 229493 - Cap. Soc. € 200.000,00 i.v.

Calibration certificate to EN 1097-8



A110-11 + A110-12

A110-03

A110-01

A113
in carrying case