Data Sheet

Manual Force Test Stands **ES10 & ES20**

32-1047 REV 1020

These compact and economical test stands are ideal for low force applications with relatively small sample sizes. The ES10 and ES20 produce both tensile and compressive force up to 100 lbF (500 N). Choose between lever operation for quick tests or hand wheel operation for better control of motion. Combine these test stands with Mark-10 digital force gauges and gripping fixtures to create complete testing solutions.

Specifications

Load capacity:	100 lbF [500 N]
Maximum travel:	9" [229 mm]
Loading method:	
ES10:	Lever
ES20:	Hand wheel
Travel rate:	
ES10:	1.05 in [26.7 mm] per lever rev.
ES20:	0.083 in [2.1 mm] per hand wheel rev.
Weight:	10 lb [4.5 kg]
Warranty:	3 years (see individual statement for details)

Optional Equipment

Dial travel indicator ES001	1" displacement, 0.001" resolution. Mounts onto the test stand and can be repositioned.
Digital travel indicator ES002	1" / 25 mm displacement, 0.0005" / 0.01 mm resolution. Includes zero and in/mm selector buttons. Mounts onto the test stand and can be repositioned.
Indicator mounting kits ES001NI (-8MM)	For customer-supplied indicators with 8 mm or 9.5 mm dia. stem sizes.
Base plate AC1060	Steel base plate has matrix of #10-32 threaded holes for fixture mounting



Dial travel indicator



Digital travel indicator



Base plate

Ordering Information

Model No.	Description
ES10	Test stand, lever-operated, 100 lbF
ES20	Test stand, hand wheel-operated, 100 lbF
ES001	Dial indicator kit for ES10 / ES20, 1" travel
ES002	Digital indicator kit for ES10 / ES20, 1" / 25 mm travel
ES001NI	Mounting kit for 9.5 mm dia. indicator stem (indicator not included)
ES001NI-8MM	Mounting kit for 8 mm dia. indicator stem (indicator not included)
AC1060	Base plate, threaded holes

ES20



The ES20 is shown in a peel testing application with Series 5 digital force gauge, and film & paper grips.

ES10



The ES10 is shown in a wire terminal pull-off test, with Series 5 digital force gauge, wire terminal grip, and dual roller grip.

In The Box





The ES10 and ES20 test stands are shipped as shown above, and include the following accessories:

(1) Lever (ES10) or hand wheel (ES20)
(1) Allen wrench set
(4) Thumb screw for force gauge

MARK-10

Mark-10 Corporation ■ **www.mark-10.com** ■ **info@mark-10.com**
Toll-free: 888-MARK-TEN ■ **Tel: 631-842-9200** ■ **Fax: 631-842-9201**

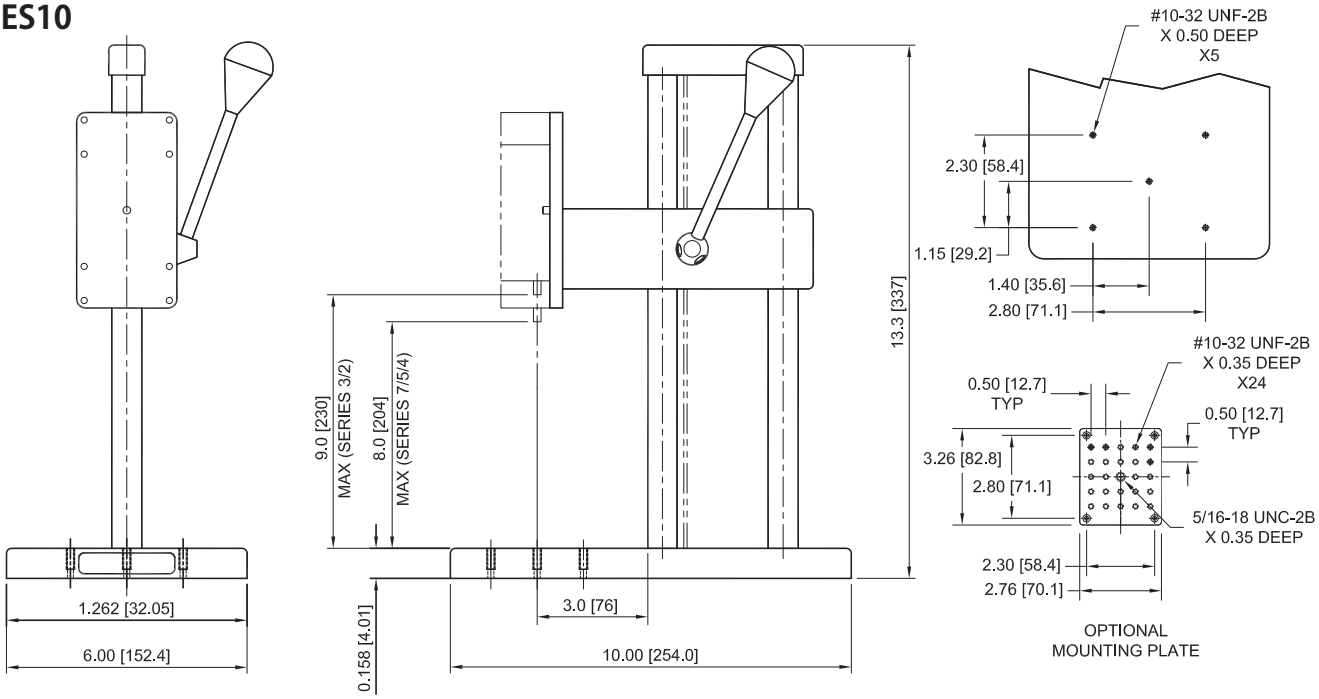
3 YEAR WARRANTY

Specifications subject to change without prior notice

Dimensions

in [mm]

ES10



ES20

