

**Impact Testing
Device
Model 305
(Wegner Type)**

**Special support
for tests on plastic
surfaces**



testing equipment for quality management

ERICHSEN
since 1910

Technical Description and Operating Instructions

Practice relevant

***testing of enamelling
in accordance with
ISO 4532
DIN ISO 4532
(DIN 51 155)***

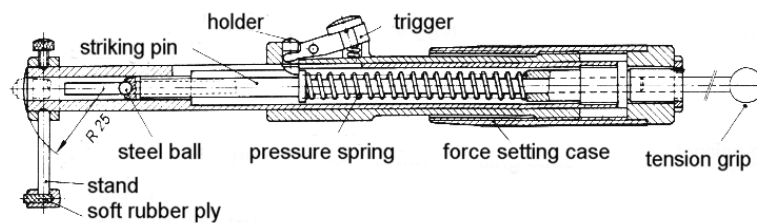
***testing of plastics
in accordance with
ISO 4586 - T 2
EN 438 - T 2***

Purpose and Application

The **Impact Testing Device - Wegner type, Model 305**, is an indispensable aid for testing enamelling in accordance with DIN 51 155.

This practical and handy testing device, which can easily fit into every briefcase, avoids troublesome dismantling and transport. It can be used outside the laboratory or the workshop for testing purposes. Objects can therefore be tested on location and in the position in which they happen to be and where they are in use. This is the only way to test certain parts of enamel surfaces at all, as they are otherwise inaccessible with large and cumbersome testing apparatus.

The Model 305 is also suitable for impact tests on plastic surfaces using a special support for this testing purpose (the support cannot be ordered separately).



When edges are to be tested, they are laid into the vertically superimposed grooves at the point.

The test objects should be positioned as close as possible to the real situation. Particularly in the case of smaller and light objects care must be taken that they are not clamped tightly.

By pushing the trigger lever, the impact bolt is released for testing.

CAUTION!

With a test force of 30 N and more, the impact bolt should not run ahead without a test object being used, but should always hit an object.

Execution of Test

In order to set the testing device, the handle is turned until the desired testing force is achieved. This is read on the lower longitudinal scale from 0 - 90 N and the interim values of 1 N on the scale at the girth of the handle. As a comparison, the approached values are shown on the upper scale in Nm, any interim values are to be estimated.

When the spring is tensioned, the impact bolt must be pushed back until it locks into the trigger.

When testing, the device must be held **vertically** on the surface to be tested with the point resting on the enamel surface. On flat surfaces the point of the device and the two legs will form a triangular setting. If the legs cause problems on uneven surfaces, they can be twisted away or removed, if necessary. To do this the three small knurled screws must be released.

Technical Data

Measuring range:	0 - 90 N infinitely variable
Ball diameter:	5 mm
Length of the instrument::	245 mm (not under tension)
Weight, net:	
Instrument	approx. 340 g
Stand for tests on enamel	approx. 25 g
Support (120 mm dia.) for tests on plastics	approx. 3000 g
Tension device:	mechanic
Trigger:	mechanic

Ordering Information

Order No.	Product Description
0305.01.51	Impact Testing Device - Wegner type, Model 305 , incl. plastic case
0305.02.51	Impact Testing Device - Wegner type, Model 305 , incl. support for testing plastic surfaces, incl. plastic case

Subject to technical modification.
Gr. 13 - TBE/BAE 305 – XII/2011