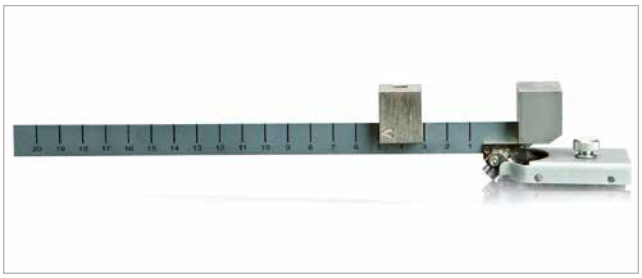
Hoffman Scratch Hardness Tester



Scrape Adhesion Test

The Hoffman Scratch Hardness Tester was developed for the comparative evaluation of scratch resistance and adhesion of many types of coatings.

- Simple pocket size tester
- Ideal for field use and demonstrations

This instrument consists of a four-wheeled carriage, a scale arm graduated from 0-20 that is attached permanently to the carriage in a counterpoised condition about the pivot axis, and a scratch tool with a sharp circular rim mounted at 45° to the flat test surface.

Standards

GE Aircarft Engine Group Spec.	E50TF61-S1
Naval Lab Spec.	WS12858 Part 4.5.5 Hardness

Procedure

To operate, attach riders to the scale arm at the numbered positions. The carriage is held down firmly by hand and moved in the opposite direction, to cause a trailing scratch. The large standard rider loads 100 g per division, while the small rider loads 25 g per division. This small rider may be used for making low-range measurements involving small increments of pressure, or it may serve as a vernier with the large rider in making more precise medium-range measurements.

Scratch Hardness
The force necessary to cut through the film to the substrate.

Adhesion
The force required to scrape a path through the film, when the stylus begins its motion on an uncoated portion of the panel.

Ordering Information

Cat. No.	Description
1610	Hoffman Scratch Tester

Technical Specifications

Dimensions	Net Weight	Shipping Weight
28 x 3.8 x 2.5 cm (11 x 1.5 x 1 in)	0.7 kg (1.5 lbs)	1.8 kg (4 lbs)

Comes complete with:
One large standard rider
One small rider and one extra scratching tool
Carrying case
Operating instructions

Ordering Information

Cat. No.	Description
1611	Scratching Tool
1612	Large Rider
1613	Small Rider

Accessories

Replacement
Equipped with friction clip for extending upper range of the Hoffman Scratch Hardness Tester
Equipped with friction clip for improving precision in all ranges of the Hoffman Scratch Hardness Tester