

Grind Gages – μm / Hegman, 1 path

Fineness of Grind Gages

The Fineness of Grind Gage is used to indicate the fineness of grind or the presence of coarse particles or agglomerates in a dispersion. It does not determine particle size or particle size distribution. Grind gages are used in controlling the production, storage, and application of dispersion products produced by milling in the paint, plastic, pigment, printing ink, paper, ceramic, pharmaceutical, food, and many other industries.



Working principle

The Fineness of Grind Gage is a flat steel block in the surface of which are two flat-bottomed grooves varying uniformly in depth from a maximum at one end of the block to zero near the other end. Groove depth is graduated on the block according to one or more scales used for measuring particle size.



Available Scales

Different Grindometers with different scales are available. These are equipped with Hegman and micrometer scales. These scales are explained below:

1). Micrometer

One Micrometer is one thousandth of a meter.

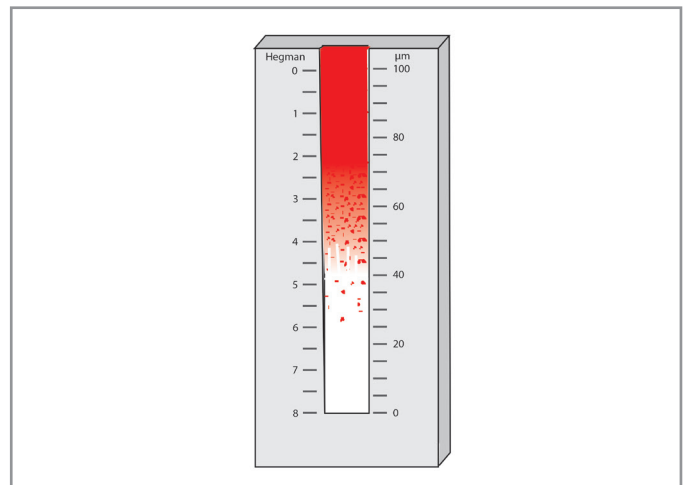
2.) Hegman Scales

The Hegman scale or National Standard scale may be abbreviated "NS" on the gage. The scale ranges from 0 to 8 with numbers increasing as the particle size decreases.

0 Hegman = 4 mil/100 micron particle size

4 Hegman = 2 mil/50 micron particle size

8 Hegman = 0 mil/0 micron particle size



Standards

ASTM D333, D1210
ASTM D1316, D6846
ISO 1524
FTMS 141 a
Method 4411.1



Catalog Number	Short Description	Path Size	No. of Paths	Scales	Range	Range	Dimensions: L x W x H	Weight	Weight
2506	Grind Gage No. 54	2 x 5 in	1	μm, Hegman	0 - 100 μm	0 - 8 Hegman	6.75 x 3.5 x 0.5 in	3.6 kg	8 lb
2507	Grind Gage No. 52				0 - 50 μm	8 - 4 Hegman			
2508	Grind Gage No. 51				0 - 25 μm	8 - 6 Hegman			

Delivery Content

Grind Block
Scraper (2514)
Storage Case

Catalog Number	Short Description
2514	Replacement Scraper, 95 mm