

Fineness of Grind Gauges – Hegman, North & PCU

Can be used in accordance with:
**ISO 1524, DIN EN ISO NF 21524,
 ASTM D1210, ASTM D1316, DIN 53203, FTMS 141 a M.4411.1, NF T 30 046**



Precision instruments, used to determine particle size and fineness of grind of many materials including paints, pigments, inks, coatings, chocolates or other similar products.

The gauge and its scraper are made of hardened stainless steel and have one or two grooves with a graded slope (dependent on the model chosen), graduated in microns, mills, NS (Hegman) or PCU (North), the gauges have a tolerance of $\pm 2\mu\text{m}$.

Elcometer 2041: The Basic design of the gauge shows lateral graduations only on the side of the gauge.

Elcometer 2020: The Standard Gauge, shows graduations in microns, NS and PCU indicated on top of the gauge.

Technical Specifications

Model	Range			Specifications			Part Number	
	μm	Hegman (NS)	North (PCU)	Number of Grooves	Groove Width mm	Groove Length mm		Graduation μm
Elcometer 2041/1	0-15	-	-	2	12	127	1	K0002041M001
Elcometer 2041/2	0-25	-	-	2	12	127	2.5	K0002041M002
Elcometer 2041/3	0-50	-	-	2	12	127	5	K0002041M003
Elcometer 2041/4	0-100	-	-	2	12	127	10	K0002041M004
Elcometer 2020/3	0-15	8 – 7	10 – 9	2	12	127	1	K0002020M003
Elcometer 2020/4	0-25	8 – 6	10 – 8	2	12	127	2.5	K0002020M004
Elcometer 2020/1	0-50	8 – 4	10 – 5	2	12	127	5	K0002020M001
Elcometer 2020/2	0-100	8 – 0	10 – 0	2	12	127	10	K0002020M002
Accessories	Replacement Scraper for 2 grooves							KT002020N001

Test Method - How to use a Fineness of Grind Gauge

The material is placed on the lowest (deepest) part of the groove, and using the scraper provided, drawn up the slope in the opposite direction.

The place where a large number of particles appears indicates the particle size.

