

# Elcometer 2020 and 2041 Fineness of Grind Gauges - Hegman, North & PCU



Elcometer 2020 &amp; 2041 Fineness of Grind Gauges

## At a glance

- *Determines particle size and fineness of grind of paints, inks, varnishes and other coatings.*
- *Hardened stainless steel gauge and scraper.*
- *Graduated in microns, mils, NS or PCU*

Can be used in accordance with:	
ASTM D 1210	ASTM D 1316
DIN 53203	DIN EN ISO NF 21524
FTMS 141 a M.4411.1	ISO 1524
NFT 30 046	

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

The gauge and its scraper are made of hardened stainless steel and has one or two grooves with a graded slope (dependant on the model chosen), graduated in microns, mils, 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 graduation in microns, NS and PCU indicated on the top of the gauge.

## Fineness of grind

From the development of coatings and inks in the laboratory to testing during the production process, quick and precise measurement of the particle size of the material - be it pigments or other similar materials - is one of the essential measurement techniques required for reliable and repeatable results.

Fineness of grind gauges comprise of stainless steel blocks in which either one or two channels are precision ground in a uniformly increasing depth from zero at one end to a specified depth at the other, identified by the scale on the gauge.

Elcometer takes special care in its manufacturing to ensure that the highest level of precision and quality is maintained for all their gauges in order to comply with the requirements of the industries where the grinding process is involved, particularly in the fields of wet paints and powder, varnishes, printing inks and the cosmetics industry.



Model	Range				Number of Grooves	Specifications						Part Number	
	$\mu\text{m}$	mils	Hegman (NS)	North (PCU)		mm	inches	mm	inches	$\mu\text{m}$	mils	Metric	Imperial
Elcometer 2041/1	0-15	-	-	-	2	12	0.47	127	5.0	1	-	K0002041M001	-
Elcometer 2041/2	0-25	0 - 1	-	-	2	12	0.47	127	5.0	2.5	0.1	K0002041M002	K0US2041M002
Elcometer 2041/3	0-50	0 - 2	-	-	2	12	0.47	127	5.0	5	0.2	K0002041M003	K0US2041M003
Elcometer 2041/4	0-100	0 - 4	-	-	2	12	0.47	127	5.0	10	0.5	K0002041M004	K0US2041M004
Elcometer 2020/3	0-15	-	8 - 7	10 - 9	2	12	0.47	127	5.0	1	-	K0002020M003	-
Elcometer 2020/4	0-25	0 - 1	8 - 6	10 - 8	2	12	0.47	127	5.0	2.5	0.1	K0002020M004	K0US2020M004
Elcometer 2020/1	0-50	0 - 2	8 - 4	10 - 5	2	12	0.47	127	5.0	5	0.2	K0002020M001	K0US2020M001
Elcometer 2020/2	0-100	0 - 4	8 - 0	10 - 0	2	12	0.47	127	5.0	10	0.5	K0002020M002	K0US2020M002
Accessories	Replacement Scraper for 2 grooves											KT002020N001	
Packing List	Elcometer Fineness of Grind Gauge, Scraper, Plastic Case & Operating instructions												