



# FINENESS OF GRIND GAUGE

The Modern Instrument's QXD series of Fineness of Grind Gauge is used for the determination of dispersion.

The test consists of placing a small volume of product on the deep end and drawing it with a straight scraper toward the shallow end. The position on the scale where oversize particles and their tracks appear can be rated for determination of dispersion.

The term 'Hegman' is sometimes applied as a generic description to these gauges and, in spite of National and International specifications recommending the adoption of the micron ( $\mu\text{m}$ ) scale, arbitrary scales such as Hegman, North, FSPT, etc., are sometimes wanted. All our gauges are made from high quality stainless steel.

## Benefits

- Grinding is expensive – use the gauge to determine minimum grinding time
- Insufficiently ground materials yield untidy films with substandard gloss values.
- For comparison of different sources of pigment ground for equal times.
- Optimisation of grinding equipment.



# Standards

BS EN 21524, ISO 1524 (BS 3900 C6), ASTM D1210

## Technical Specification / Ordering Info

Ref	Channels Type	Ranges $\mu\text{m}$	Graduation $\mu\text{m}$	Groove Size (L×W)	Number of Grooves	Scale	Overall Dimension mm	Scraper Length Mm
QXD-15SC	Small Single Channel	0-15	0.75	12.7×140	1	$\mu\text{m}$	170×50×12	70
QXD-25SC		0-25	1.25	12.7×140	1	Hegman/ $\mu\text{m}$	170×50×12	70
QXD-50SC		0-50	2.5	12.7×140	1	Hegman/ $\mu\text{m}$	170×50×12	70
QXD-100SC		0-100	5	12.7×140	1	Hegman/ $\mu\text{m}$	170×50×12	70
QXD-150SC		0-150	5	12.7×140	1	$\mu\text{m}$	170×50×12	70
QXD-25DC	Small Double Channel	0-25	2.5	12.7×140	2	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
QXD-50DC		0-50	2.5	12.7×140	2	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
QXD-100DC		0-100	5	12.7×140	2	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
WXD-150DC		0-150	5	12.7×140	2	Mm	170×63.5×12.7	70
QXD-25WC	Wide Channel	0-25	1.25	25.4×127	1	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
QXD-50WC		0-50	2.5	25.4×127	1	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
QXD-100WC		0-100	5	25.4×127	1	Hegman/ $\mu\text{m}$	170×63.5×12.7	70
QXD-25BSC	Big Single Channel	0-25	2.5	50.8×127	1	Hegman/ $\mu\text{m}$	171.45×88.9×12.7	95
QXD-50BSC		0-50	5	50.8×127	1	Hegman/ $\mu\text{m}$	171.45×88.9×12.7	95
QXD-100BSC		0-100	5	50.8×127	1	Hegman/ $\mu\text{m}$	171.45×88.9×12.7	95
QXD-25BDC	Big Double Channel	0-25	2.5	25.4×165	2	Hegman/NPIRI	241.3×88.9×19	95
QXD-50BDC		0-50	5	25.4×165	2	Hegman/NPIRI	241.3×88.9×19	95
QXD-100BDC		0-100	5	25.4×165	2	Hegman/NPIRI	241.3×88.9×19	95
QXD-50BDC	Special Double Channel	0-50	2	25.4×165	2	$\mu\text{m}$	241.3×88.9×19	95
QXD-250BDC		0-250	10					

Customization available



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