

# elcometer® 3230 Coil Coating Wet Film Wheels



Similar to the Elcometer 3230 Wet film Wheels, but designed for use in the coil coating process. These Coil Coating Wheels consist of three circles. The outer circles are knurled to allow measurements to be taken on slippery coatings or on fast moving substrates.

By rolling the gauge through a wet coating, the centre disc eventually touches the film. This point on the scale indicates the thickness.

If the volume to solids ratio of the coating is known, then the wet film thickness can be used to predict the dry film thickness.

See also the Elcometer 3230 Wet Film Wheel

## Technical Specifications

Model	Description	Scale Range	Graduations	Part Number
Elcometer 3230/17	Grooved Wet Film Wheel – Coil Coating	0 - 50µm	2.5µm	K0003230M017
Elcometer 3230/18	Grooved Wet Film Wheel – Coil Coating	0 - 100µm	5.0µm	K0003230M018
Elcometer 3230/19	Grooved Wet Film Wheel – Coil Coating	0 - 300µm	15.0µm	K0003230M019
<b>Accessories</b>	50cm Wet film wheel handle			KT003230N002
	100cm Wet film wheel handle			KT003230N001

## Test Method

ISO 2808-7B, BS 3900-C5 method 7B, ASTM D4414-A specify that the wet film wheel should be perpendicular to the substrate and the thickness of the coating should be stated as that indicated on the central wheel - ensuring that the wheel has been rolled from maximum thickness to minimum thickness - thus avoiding surface tension.

Hold the wheel by its central spindle. Begin at maximum thickness to reduce risk of inaccuracy caused by surface tension.

Roll the wheel through the wet film with the side 1 in the diagram touching the substrate. Roll for at least one whole turn and slowly enough for wetting to occur. Roll the wheel backwards by at least one complete turn. The wet film thickness is read from the scale, at the end of the wetted segment of the middle circle, 2 in the diagram

To use wheel on pipes, measure across the longitudinal axis (lengthways) of the pipe. On rough surfaces, measurements will be made from the surface peaks and represent the minimum wet film thickness

