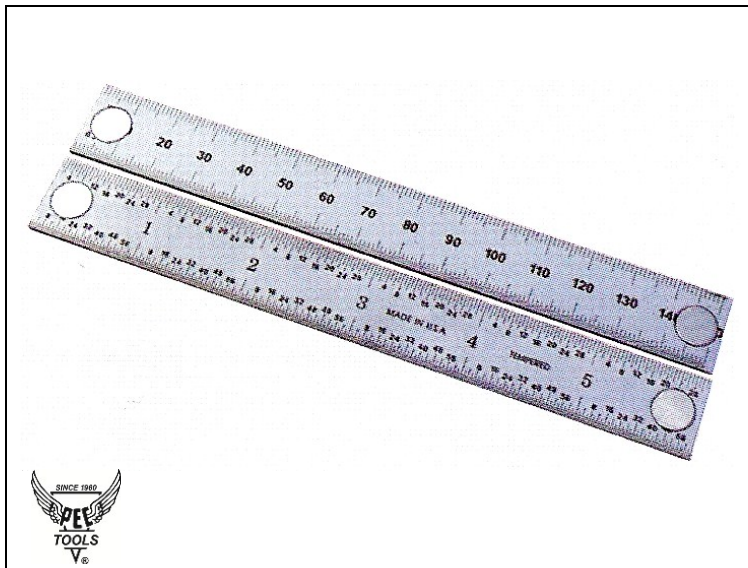


Magnetic Rules



Magnetic Rules:

Conform to EEC-Class 1, Ref 73/362/EEC
 Manufactured from high quality steel
 Fully hardened and tempered
 Non-glare satin chrome finish
 Graduations etched from precise glass masters for repeated accuracy

Magnetism is provided by a series of button magnets inserted along the length of the rule

Suitable for use on machine beds and slides, sheet metalwork and construction projects

Manufacturers Code	Length	Width and Thickness	Rule Marking Front Face (inch)	Rule Marking Reverse Face Metric)	Button Magnets
262-006MG	150mm / 6"	19 x 1mm	64ths and 32nds	1.0mm and 0.5mm	2
262-012MG	300mm / 12"	25 x 1mm	64ths and 32nds	1.0mm and 0.5mm	3
262-024MG	600mm / 24"	29 x 1mm	64ths and 32nds	1.0mm and 0.5mm	5

EEC Directive 73-362 / EEC: Rules Class 1 and 2

For Metric Scales Only: (there is no specification for Inch Scales)

Permissible Errors: For EEC Class 1 Rules

Maximum permissible error between 2 intervals upto 1mm = 0.1mm

Maximum permissible error between two intervals not exceeding 10mm = 0.2mm

From Rule End: Above tolerance increased by 0.1mm

Examples:

Rule End to 1mm graduation = Normal Tol. 0.1mm + Additional Tol. 0.1mm = 0.2mm

Rule End to 10mm graduation = Normal Tol. 0.2mm + Additional Tol. 0.1mm = 0.3mm

Overall Length Tolerance

$$\text{Tol} = [a + (b \times L)]$$

a = 0.1 for class 1

b = 0.1 for class 1

L = Length of scale rounded up to the nearest metre

Example for a 300mm rule, when measurement is taken from the 10mm graduation to the 300mm graduation:

$$\text{Tol} = [0.1 + (0.1 \times 1)] = 0.2\text{mm}$$