



ENGLISH

# Datasheet

## RS Pro TiN Coated Steel Rules Metric and Inch Two Sided with Round End

RS Stock No: 248-9247



### Specifications:

Conform to EEC-Class 1, Ref 73/362/EEC

Manufactured from high quality steel

Fully hardened and tempered

Non-glare TiN coated finish

Graduations etched from precise glass masters for repeated accuracy

Order Code	Manufacturers Code	Length	Type	Style	End Style
248-9247	851-012TN	300mm/12"	Flexible	64F	D End

Width & Thickness	Rule Marking Front Face (Inch)	Rule Marking Reverse Face (Metric)
12.5 x 0.5mm	16ths, 32nds, 64ths 10ths, 20ths, 50ths, 100ths	1.0mm and 0.5mm



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### Technical:

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:

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