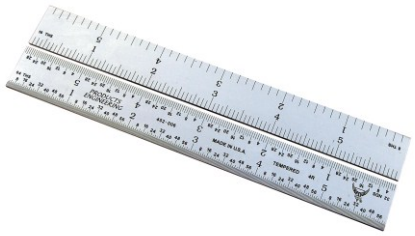
# Data Sheet: LDS 1280 Date: 18-11-2010

## Steel Rules Inch Two Sided with Square Ends



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

Packed Weight and Dimensions

| Code | Description | Weight g | W mm | H mm | L mm |
|---|---|---|---|---|---|
| 402-006 | 6” | 27 | 28 | 2 | 78 |
| 402-012 | 12” | 70 | 38 | 2 | 335 |
| 402-018 | 18” | 125 | 40 | 2 | 485 |
| 402-024 | 24” | 165 | 40 | 2 | 625 |
| 401-006 | 6” | 9 | 24 | 1 | 76 |
| 401-012 | 12” | 16 | 24 | 1 | 305 |
| 401-018 | 18” | 125 | 40 | 2 | 485 |
| 401-024 | 24” | 165 | 40 | 2 | 625 |

| Code | Length | Type | Width and Thickness | Rule Marking Front Face Inch | Rule Marking Reverse Face Metric | Style | End Style |
|---|---|---|---|---|---|---|---|
| 402-006 | 6” | Flexible | 19 x 1.0mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 402-012 | 12” | Rigid | 25 x 1.0mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 402-018 | 18” | Rigid | 29 x 1.0mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 402-024 | 24” | Rigid | 29 x 1.0mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 401-006 | 6” | Flexible | 12.5 x 0.4mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 401-012 | 12” | Flexible | 12.5 x 0.4mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 401-018 | 18” | Flexible | 19 x 0.5mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |
| 401-024 | 24” | Flexible | 19 x 0.5mm | 8ths, 16ths | 32nds, 64ths | | Flat Ends |

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

Tol = [a + (b x 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:
Tol = [0.1 +( 0.1 x 1)] = 0.2mm