

#### Hand Tool Product Catalog





CONTROL SERIES

#### Tough and accurate measuring products built for the professional tradesman

- Power Tapes
- Long Tapes
- Surveying Tapes
- Rules
- Measuring Wheels

# **Lufkin**<sup>®</sup>



Ever since the first Lufkin<sup>®</sup> wood rule was produced in 1869, the Lufkin brand has been synonymous with high quality and unmatched accuracy. Today, Lufkin wood rules, power tapes, engineering and surveying tapes, specialty tapes and measuring wheels comprise one of the widest selections of measuring products available from any manufacturer. For over a century, Lufkin® tapes have been recognized as the standard for accuracy and high quality. Lufkin® steel tapes are manufactured to government standards traceable to the U.S. Department of Commerce, National Institute of Standards and Technology. Periodically, these standards are recalibrated with renewed certification by the N.I.S.T.

#### Introducing the Control Series

# AT YOUR FINGERTIPS

- **Drag Strip**<sup>TM</sup> feature provides finger access for retraction control and faster measuring
- Rigid Extra-Wide Blade provides superior support so you can reach further (10' of standout) and not have to pull someone off their work to help hold your tape
- Wide End Hook holds better and allows tape to roll on the curve so measurements are in contact with the work surface and marking is easier
- Four-Rivet End-Hook has triple-reveted steel reinforcement
- **Integrated D-Ring** for tether strap or easy hanging storage
- Durable Molded Case allows for added control and grip





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#### TECH INFORMATION

#### How to Change Short Tape Blades

- 1. Pull old blade out past end until about 2" of bluish metal spring is exposed. Put a nail in round hole(A) in spring to hold it.
- 2. Note how old blade is attached, then remove it.
- 3. New blade is reverse wound, ready to attach to spring. With blade graduations up, turn spring sideways and insert from bottom into slot (B) in new blade. Twist spring and pull back until notches (C) lock at rear of slot (B).
- 4. Remove nail and return blade to case.

#### Short Tape Blade Styles

#### A1 YELLOW CLAD



- 1/2" width only
- · Black and red markings one side only
- · Graduated feet and inches to 1/16ths top edge · Graduated inches to 1/16ths bottom edge, first 12
- inches to 1/32nds
- · Instantaneous foot readings
- · Stud marks every 16"

#### **A4 YELLOW CLAD**

- 3/4" and 1" widths
- Graduated feet, 1/10ths and 1/100ths top edge; feet, inches and 1/16ths on bottom edge
- Instantaneous foot readings

**A7 YELLOW CLAD** 

· Black markings one side only

· Graduated to 1/10ths of inches on both edges

· First 6" on bottom edge graduated to 1/50ths

- NOTE: 1" width has red and black markings; 3/4" has black markings only
- Stud marks every 16"

• 1/2" width only

#### **A2 YELLOW CLAD**



- 3/4" width only
- · Black and red markings one side only
- · Graduated feet and inches to 1/16ths top edge
- · Graduated inches to 1/16ths bottom edge, first 12" to 1/32nds
- Instantaneous foot readings
- · Stud marks every 16"

#### **A5 YELLOW CLAD**



- 1-3/16" and 1" widths · Black and red markings one side only
- · Consecutive inches to 16ths
- Stud marks every 16"
- Truss marks every 19.2"
- · Instantaneous foot readings

A8 CHROME CLAD®

#### **A9 YELLOW CLAD**



• 1/2" width only

1

- Chrome Clad® blade
- · Black markings one side only
- · Graduated consecutive inches and 1/16ths on top and bottom edges



- · Available in 13mm, 19mm and 25mm widths
- · Black and red markings one side only
- · Both edges graduated to millimeters; numbered consecutive centimeters with larger red numbers at each decimeter

# A3 YELLOW CLAD

- 3/4" and 1" widths
- · Graduated feet and inches to 1/16ths top and bottom edge
- Vertical numbering
- · Fractional and decimal equivalent marking
- · Stud marks every 16"

#### A6 CHROME CLAD®



- 1/2" width only
- · Chrome Clad® blade · Black markings one side only
- · Graduated to 1/10ths of inches on both edges

POWER RETURN TAPES

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#### TECH INFORMATION

#### A11 YELLOW CLAD



- 1/2"/13mm width only
- · Black and red markings one side only
- · Top edge graduated and numbered inches
- · Bottom edge to millimeters, numbered consecutive millimeters with red number at each decimeter

#### A16 YELLOW CLAD

- 1/4" width only
- · Black markings one side only
- Consecutive inches to 1/16ths bottom edge, first 12" to 1/32nds
- Stud marks every 16" and 40cm

#### **A19 YELLOW CLAD**

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#### 70,80,90,4 10,20,30,40,5

- 1/4" width only
- · Markings both sides
- Consecutive inches to 1/16ths, first 12" to 1/32nds on side 1
- · Diameter inches to 1/100ths side 2; blank space ahead of zero

#### A29 YELLOW CLAD

- ) 91 92 93 94 95 96 97 98 99 1m 1 3F .1 3F .2 3F .3
- 3/4"/19mm and 1"/25mm widths
- · Black and red markings one side only
- · Graduated millimeters on top edge and feet
- 1/10ths and 1/100ths on bottom edge
- A35 YELLOW CLAD

#### 10ths 8 .2 25' 3 Lufkin .1 .4 \_\_\_\_\_ un dun ei mh

- 1" width only
- · Black and red markings one side only
- Graduated in feet, 1/10ths and 1/100ths of feet, numbered in feet and 10ths of feet

#### A12 YELLOW CLAD

**F** 1 3F 2 3F 3 3F 920 930 940 950 960 970 980 990 10 00

- 3/4"/19mm width
- Black and red markings one side only
- Top edge graduated and numbered inches (no stud centers); bottom edge graduated in millimeters, numbered consecutive millimeters with red number at each decimeter
- Stud marks every 16" and 40cm

#### A17 YELLOW CLAD

#### 111111881111111111188111111 0,...,1,...,2,...,3,...,4,...,5,...,

- 1/4"/6mm width only
- · Black markings one side only
- Top edge graduated in inches to 1/16ths
- · Bottom edge graduated in millimeters, numbered in centimeters; 1 to 9 in each decimeter

#### A20 YELLOW CLAD

#### 9 30 31 32 33 34 35 36

1 12 13

- · 6mm width only
- Markings both sides
- · Consecutive centimeters to millimeters on side 1
- · Diameter to millimeters side 2. numbered

in centimeters

#### A30 YELLOW CLAD



- 1"/25mm width only
- · Markings one side only
- English top edge to 1/16ths, first 12" to 1/32nds, (continuous inches plus consecutive inch marks within each foot from 1' mark). Truss marks every 19.2"
- · Metric bottom edge graduated to millimeters, numbered consecutive centimeters

#### A36 YELLOW CLAD



- 1/2" width only
- · Black and red markings one side only
- Top edge numbered every 10 millimeters with red print for every 100cm increment and graduations every millimeter. Bottom edge numbered in consecutive inches graduated in 1/10ths of an inch with first 12" graduated to 1/50ths and numbered in 10ths

#### A13 YELLOW CLAD UIUUUUUUUUUUUUAUUUUUUUEEUUUU 38 3F 37

#### 9|1 9|2 9|3 9|4 9|5 9|6 9|7 9|8

- 1/2"/13mm and 3/4"/19mm widths
- Black and red markings one side only
- Top edge to 1/16ths, continuous inches; feet and decimeters marked in red
- · Bottom edge graduated to millimeters, numbered consecutive centimeters

#### A18 YELLOW CLAD

#### 11 12. 13

#### 3|2 11111111 48

- 1/4" width only
- Black markings both sides
- · Consecutive inches to 1/16ths, first 12" to 1/32nds on side 1
- Diameter inches to 1/64ths side 2; blank space ahead of zero

#### A21 YELLOW CLAD

#### 46 47 48 49 50 51 52 53 54 55 56 57 58 59

#### 8486889092949698100 104

- 1/4" width only
- · Black markings both sides
- One side marked 1/4th scale (1 to 240), other side has 1/8th scale (1 - 480)

#### A31 YELLOW CLAD



- 1/2" width only
- · Black and red markings on one side only
- · Graduated to 1/16ths on top edge graduated in 1/32nds
- 1/10ths on bottom edge; first 6 inches graduated in 1/50ths

#### A37 YELLOW CLAD



• 1" width only

#### · Black and red markings one side only

- Top edge graduated to 1/16ths, and numbered in consecutive inches and fractional equivalents to 1/8ths.
- · Bottom edge with red print numbered at the mid-point of the measurement on the top edge

# **OWER RETURN TAPES**

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#### Series P1000



- Hi-Viz® Orange Case Easy to Find on the Job
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Fits Easily Into Most Tape Holsters
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock is Positioned for Convenient Operation
- Holds the Blade Securely in Any Position
- Cushioned Blade Return

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PHV1433	037103252081	Carded	Hi-Viz® Orange	1 in	33 ft	A5	None	1.34 lb
PHV1433DM	037103252098	Carded	Hi-Viz® Orange	25 mm, 1 in	10 m, 33 ft	A29	None	1.34 lb
PHV1410CME	037103252074	Carded	Hi-Viz® Orange	25 mm, 1 in	10 m, 33 ft	A30	None	1.34 lb
PHV1430	037103269430	Carded	Hi-Viz® Orange	1 in	30 ft	A5	None	0.76 lb
PHV1049CME	037103269447	Carded	Hi-Viz® Orange	25 mm, 1 in	9 m, 30 ft	A30	None	0.76 lb
PHV1425	037103252005	Carded	Hi-Viz® Orange	1 in	25 ft	A5	None	1.07 lb
PHV1425D	037103252012	Carded	Hi-Viz® Orange	1 in	25 ft	A4	None	1.07 lb
PHV1425ED	037103252029	Carded	Hi-Viz® Orange	1 in	25 ft	A35	None	1.07 lb
PHV1048CM	037103251978	Carded	Hi-Viz® Orange	25 mm	8 m	A9	None	1.07 lb
PHV1048CME	037103251985	Carded	Hi-Viz® Orange	25 mm, 1 in	8 m, 26 ft	A30	None	1.07 lb
PHV1048DM	037103251992	Carded	Hi-Viz® Orange	1 in	25 ft	A29	None	1.07 lb
PHV1316	037103251930	Carded	Hi-Viz® Orange	3/4 in	16 ft	A2	RW316	0.62 lb
PHV1035CM	037103251916	Carded	Hi-Viz® Orange	19 mm	5 m	A9	None	0.62 lb
PHV1035CME	037103251923	Carded	Hi-Viz® Orange	19 mm, 3/4 in	5 m, 16 ft	A13	RY35CME	0.62 lb
PHV1312	037103251848	Carded	Hi-Viz® Orange	3/4 in	12 ft	A2	R1312	0.60 lb
PHV1312D	037103251855	Carded	Hi-Viz® Orange	3/4 in	12 ft	A4	None	0.60 lb
PHV1034CME	037103251824	Carded	Hi-Viz® Orange	19 mm, 3/4 in	4 m, 13 ft	A13	None	0.60 lb
PHV1034DM	037103251831	Carded	Hi-Viz® Orange	19 mm, 3/4 in	3.7 m, 12 ft	A29	None	0.60 lb
PHV1012	037103251770	Carded	Hi-Viz® Orange	1/2 in	12 ft	A1	RY212	0.32 lb
PHV1024CME	037103251787	Carded	Hi-Viz® Orange	13 mm, 1/2 in	4 m, 13 ft	A13	None	0.32 lb
PHV1010	037103251701	Carded	Hi-Viz® Orange	1/2 in	10 ft	A1	RY210	0.29 lb
PHV1023CM	037103251718	Carded	Hi-Viz® Orange	13 mm	3 m	A9	None	0.29 lb
PHV1023CME	037103251725	Carded	Hi-Viz® Orange	13 mm, 1/2 in	3 m, 10 ft	A13	RY23CME	0.29 lb



#### Series P2000



- Case Designed to Fit Perfectly in the Hand
- Lightweight, High Strength Chrome Finished Case
- Fits Easily Into Most Tape Holsters
- Bright Yellow Blade Has Clear Easy-To-Read Numerals
- Toggle Lock Positioned for Convenient Operation, Holds Blade Securely
- Cushioned Blade Return
- Removable Belt Clip

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
P2133	037103252067 Carded		Chrome	1 in	33 ft	A5	None	1.72 lb
P2133D	037103252043	Carded	Chrome	1 in	33 ft	A4	None	1.72 lb
P2410CME	037103252050	Carded	Chrome	25 mm, 1 in	10 m, 33 ft	A30	None	1.72 lb
P2125	037103251954	Carded	Chrome	1 in	25 ft	A5	None	1.07 lb
P2048CME	037103251961	Carded	Chrome	25 mm, 1 in	8 m, 26 ft	A30	None	1.07 lb
P2316	037103251909	Carded	Chrome	3/4 in	16 ft	A2	RW316	0.62 lb
P2335ME	037103251893	Carded	Chrome	19 mm, 3/4 in	5 m, 16 ft	A12	RY35ME	0.62 lb
P2035CM	037103251879	Carded	Chrome	19 mm	5 m	A9	None	0.60 lb
P2035CME	037103251886	Carded	Chrome	19 mm, 3/4 in	5 m, 16 ft	A13	RY35CME	0.60 lb
P2312	037103251817	Carded	Chrome	3/4 in	12 ft	A2	R2312	0.60 lb
P2312D	037103251800	Carded	Chrome	3/4 in	12 ft	A4	None	0.60 lb
P2034CME	037103251794	Carded	Chrome	19 mm, 3/4 in	4 m, 13 ft	A13	None	0.60 lb
P2212	037103251763	Carded	Chrome	1/2 in	12 ft	A1	RY212	0.32 lb
P2212X	037103251756	Carded	Chrome	1/2 in	12 ft	A7	None	0.32 lb
P2212DX	037103251749	Carded	Chrome	1/2 in	12 ft	A31	None	0.32 lb
P2024CME	037103251732	Carded	Chrome	13 mm, 1/2 in	4 m, 13 ft	A13	None	0.32 lb
P2210	037103251695	Carded	Chrome	1/2 in	10 ft	A1	RY210	0.29 lb
P2210MEX	037103251671	Carded	Chrome	13 mm, 1/2 in	3 m, 10 ft	A36	None	0.29 lb
P2223CME	037103251688	Carded	Chrome	13 mm, 1/2 in	3 m, 10 ft	A13	RY23CME	0.29 lb

#### **Quickread® Power Tapes**



- Graduations Printed in Fractions and Decimal Equivalents
- Rubber Cushion Case Exterior Protects Tape From Impact and Improves Grip
- Positive Toggle Lock Holds Blade Securely at Any Length
- Self-Compensating End Hook for Inside and Outside Measurements
- Durable ABS Case Withstands Rugged Use on the Job Site
- Built in Bumper Reduces Shock When Blade is Retracted
- Blade Style: A3

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PQR1312	037103251862	Carded	Hi-Viz® Orange	3/4 in	12 ft	A3	None	0.60 lb
PQR1316	037103251947	Carded	Hi-Viz® Orange	3/4 in	16 ft	A3	None	0.62 lb
PQR1425*	037103252036	Carded	Hi-Viz® Orange	1 in	25 ft	A3	None	1.07 lb

\* Patented End Hook Lasts 10 Times Longer Than Ordinary End Hooks

#### **Power Return**



- Positive Toggle Lock Holds Blade Securely at Any Length
- Chrome or Easy-To-Find Hi-Viz® Orange Case Finish Available
- Self-Compensating End Hook for Inside and Outside Measurements
- Patented Quad Hook Extends Blade Life By Reducing Blade Breakage
- Built in Bumper Reduces Shock Upon Blade Retraction, Extends Tape Life
- Removable Belt Clip
- All Shelf Pack Power Tapes Are Carded

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HV420	037103104168	Carded	Orange	1 in	20 ft	A5	None	0.72 lb
Y420	037103104113	Carded	Chrome	1 in	20 ft	A5	None	0.70 lb
Y46CME	037103001047	Carded	Chrome	25 mm, 1 in	6 m, 20 ft	A30	None	0.80 lb
HV116	037103039149	Carded	Orange	1 in	16 ft	A5	None	0.70 lb

#### 800 Series Xtra-Wide Power Tape



- New Blade Design Achieves 10' Stand-Out, Make Longer Measurements
- Soft Touch Lock Button for Better Feel and Control
- Rubber Cushion Absorbs Impact and Improved Grip
- Case Designed to Fit Your Hand
- Clearcoat Blade Protection More Durable Markings
- 4-Rivet Reinforced End Hook Increased Strength for Long Blade Life
- Non-Slip Slide Lock for Positive Blade Locking
- Easy On/Off Belt Clip for Fast Attachment to Belt

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
XL8525	037103222923	Carded	Orange	1-3/16 in	25 ft	A5	None	1.25 lb
XL8525D	037103223999	Carded	Orange	1-3/16 in	25 ft	A4	None	1.03 lb
XL8548CME	037103225856	Carded	Orange	30 mm, 1-3/16 in	8 m, 26 ft	A30	None	1.03 lb

#### 800 Series Xtra-Wide Control Power Tape

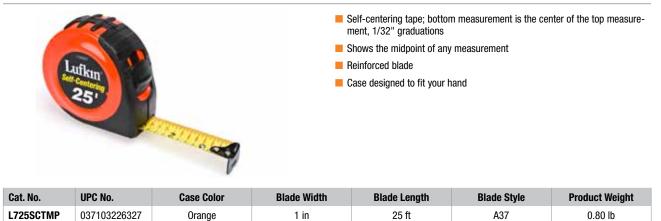


Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
CS8516	037103263537	Carded	Orange	3/4 in	16 ft	A5	None	0.55 lb
CS8525	037103263544	Carded	Orange	1-3/16 in	25 ft	A5	None	1.22 lb
CS8525CME	037103263551	Carded	Orange	30 mm, 1-3/16 in	8 m, 26 ft	A30	None	1.24 lb

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#### 700 Series Self-Centering Tape



#### 700 Series Auto-Lock



- Automatic Blade Lock Holds the Blade in Extended Position
- Recessed Lock Release to Reduce Chance of Accidental Retraction
- Non-Slip Co-Molded Rubber Grip
- Durable Clearcoat Blade Protection for Longer Blade Life
- Steel Reinforced End Hook for Longer Service Life
- Tough ABS Case to Stand Up to the Toughest Work Site

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
AL725	037103214539	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
AL748CME	037103214546	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A5	None	0.80 lb

#### **700 Series Magnetic End Hook**



- Magnetic End Hook is a Time-Saver for Framers, HVAC Installers, and More
- Use for One-Man Measurements of Steel Framing and Drop Ceiling Grids
- Powerful Dual Magnets Can Also Serve As A Pick-Up Tool
- Non-Slip Co-Molded Rubber Grip
- Durable ABS Case Stands Up to the Toughest Work Site
- Non-Slip Rubber Blade Lock Button

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
L725MAG	037103214560	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
L748MAG	037103214522	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A13	None	0.80 lb



#### 700 Series Auto-Lock, Magnetic End Hook



Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
AL725MAG	037103215666	Carded	Orange	1 in	25 ft	A5	None	0.88 lb

#### L600 Series Power Return Tapes



- Lightweight, High Strength, Case Fits Comfortably in Hand
- Hi-Viz® Blue Case Easy to Find on the Job
- Unique Slide Lock Design Allows for Easy Control of Tape Blade
- Wide Base Helps Keep Tape Standing Upright
- Clear Coat Blade Protection for More Durable Markings
- Easy-To-Read Yellow Clad Blade (Not Replaceable)
- Fits Easily in Most Tape Holsters

Cat. No.	UPC No.	Packaging	Case Color	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
L610	037103241061	Carded	Orange	1/2 in	10 ft	A1	None	0.25 lb
L610CME	037103241078	Carded	Orange	13 mm, 1/2 in	3 m, 10 ft	A13	None	0.25 lb
L616	037103241085	Carded	Orange	3/4 in	16 ft	A2	None	0.45 lb
L616CME	037103241092	Carded	Orange	19 mm, 3/4 in	5 m, 16 ft	A13	None	0.45 lb
L625	037103241108	Carded	Orange	1 in	25 ft	A5	None	0.80 lb
L625CME	037103241115	Carded	Orange	25 mm, 1 in	8 m, 26 ft	A13	None	0.80 lb
L625SCTMP	037103241122	Carded	Orange	1 in	25 ft	A37	None	0.80 lb
QRL625MP	037103241139	Carded	Blue	1 in	25 ft	A3	None	0.80 lb



#### Mezurall™



- Chrome Plated Case
- Yellow Clad Blade
- Power Retraction Operation
- Belt Clip

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W928	037103458728	Carded	1/2 in	8 ft	A1	None	0.20 lb
W9210	037103458735	Carded	1/2 in	10 ft	A1	RY210	0.30 lb
Y8210	037103457967	Carded	1/2 in	10 ft	A1	None	0.20 lb
W9212	037103458742	Carded	1/2 in	12 ft	A1	RY212	0.26 lb
W9312	037103458780	Carded	3/4 in	12 ft	A2	RW312	0.40 lb
W9312D	037103458797	Carded	3/4 in	12 ft	A4	None	0.38 lb
W9210ME	037103458766	Carded	13 mm, 1/2 in	3 m, 10 ft	A11	None	0.24 lb
Y8212	037103457981	Carded	1/2 in	12 ft	A1	RY212	0.24 lb

#### Mezurall<sup>™</sup> Chrome Clad®



- 1/2" X 12' Chrome Clad® Blade
- Ideal for Industrial Use
- Chrome Plated Case
- Hard Chrome Plated Blade is Tough and Accurate
- Power Retraction Operation

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C9212X	037103455574	Carded	1/2 in	12 ft	A6	None	0.30 lb
C9212	037103455567	Carded	1/2 in	12 ft	A8	None	0.30 lb

#### Рее Wее<sup>тм</sup>



- Pocket Size Ideal for Office or Home
- High Strength Case
- Yellow Clad Blade
- 1/4"/6mm Wide Blade is Flexible; Bold Graduations on Yellow Background
- Power Retraction Operation

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	<b>Product Weight</b>
Y613ME	037103104106	Carded	6 mm, 1/4 in	3 m, 10 ft	A17	None	0.11 lb
W616	037103458575	Carded	1/4 in	6 ft	A16	None	0.10 lb
W6110	037103458544	Carded	1/4 in	10 ft	A16	None	0.12 lb
W616B0	037103028624	Carded	1/4 in	6 ft	A16	None	0.00 lb



#### Executive® ThinLine



- Convenient for Office, Briefcase, or Pocket
- 6' Easy-To-Read Blade
- Power Retraction

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
W606	037103458551	Boxed	1/4 in	6 ft	A16	None	0.09 lb
W606ME	037103458520	Boxed	6 mm, 1/4 in	2 m, 6 ft	A17	None	0.09 lb
W608	037103458568	Boxed	1/4 in	8 ft	A16	None	0.10 lb

#### **Executive®** Diameter



- Designed for Measuring Diameters of Pipe, Cable, Tire, etc.
- Polished Chrome Case
- Zero Falls in the Same Place on Each Side of the Blade
- Conversion From Diameter to Circumference, Simply Turn the Blade
- Easy-To-Read Bold Graduations on Yellow Background
- Spring Action Returns Blade to Case

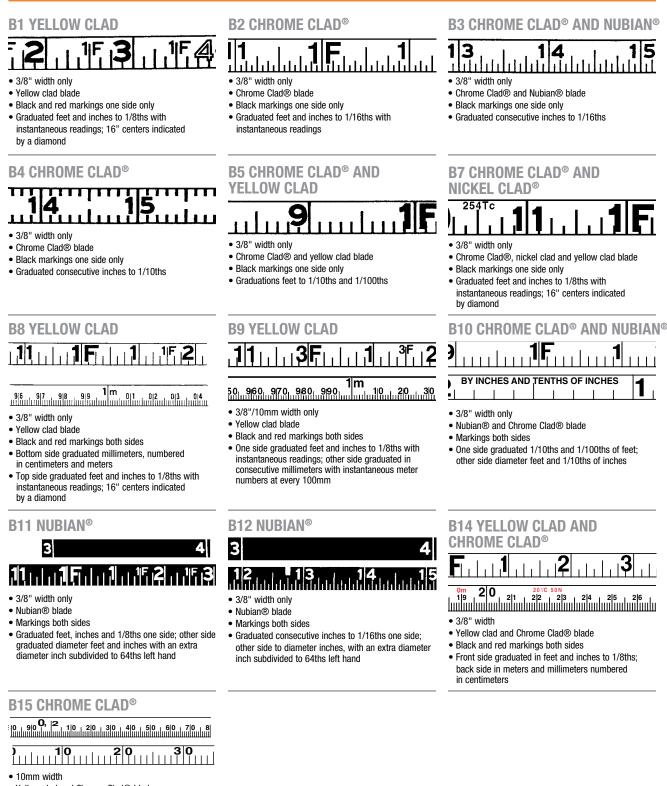
Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	<b>Product Weight</b>
W606P	037103458506	Boxed	1/4 in	6 ft	A18	None	0.09 lb
W606PD	037103458513	Boxed	1/4 in	6 ft	A19	RW06PD	0.08 lb
W606PM	037103458537	Boxed	6 mm	2 m	A20	None	0.09 lb

#### **Architect's Pocket Scale**



#### **TECH INFORMATION**

#### Long Tape Blade Styles



- Yellow clad and Chrome Clad® blade
- Marked both sides
- One side meters, decimeters and millimeters; other side reads diameter from circumference to 2m of diameter in millimeters



#### **Anchor**®



- Rugged, Vinyl-Covered Steel Case
- Chrome Clad® Blade
- Large Easy-Action Winding Drum and Friction Washers
- Nylon Roller Guides the Tape Smoothly in and Out of Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C213	037103451408	Boxed	3/8 in	50 ft	B7	None	1.00 lb
C213C	037103451514	Boxed	3/8 in	600 in	B3	None	0.93 lb
C213CX	037103451538	Boxed	3/8 in	600 in	B4	None	1.00 lb
C213D	037103451552	Boxed	3/8 in	50 ft	B5	0C213D	0.90 lb
C216	037103451606	Boxed	3/8 in	100 ft	B7	None	1.70 lb
C21616THBLK	037103451675	Boxed	3/8 in	100 ft	B2	None	1.60 lb
C216D	037103451699	Boxed	3/8 in	100 ft	B5	None	1.55 lb

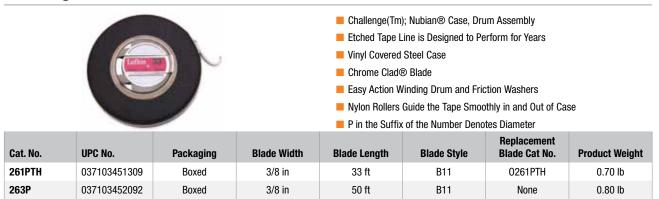
#### Leader®



- Sturdy, Rust-Resistant Steel Case Has A Tough, Black Vinyl Cover
- Chrome Clad® Blade
- Jet-Black Markings Are Bonded to the Steel
- Recessed Below the Hard Chrome Surface; Highly Resistant to Wear
- Large Easy Action Winding Drum and Friction Washers
- Nylon Roller Guides the Tape Smoothly in and Out of Case
- Folding End Hook Ring

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HC253	037103452016	Boxed	3/8 in	50 ft	B7	None	1.00 lb
HC256	037103452061	Boxed	3/8 in	100 ft	B7	None	1.70 lb

#### **Challenge<sup>™</sup>**





#### Hi-Viz® Speedwinder®



- Impact-Resistant, Attractive, Self-Standing Case
- Heavy Duty Yellow Clad Blade Protected By An Abrasion Resistant Coating
- Extends, Rewinds in Less Time Than Conventional Long Steel Tapes
- Easy-To-Read Bold Black Markings

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HYT50	037103458155	Boxed	3/8 in	50 ft	B1	None	0.85 lb
HYT100	037103458162	Boxed	3/8 in	100 ft	B1	None	1.50 lb
HYT100D	037103460196	Boxed	3/8 in	100 ft	B5	None	1.50 lb
HYT15CME	037103459411	Boxed	10 mm, 3/8 in	15 m, 50 ft	B14	None	0.90 lb
HYT30CME	037103459428	Boxed	10 mm, 3/8 in	30 m, 100 ft	B14	None	1.20 lb
HYT50CME	037103003461	Boxed	10 mm, 3/8 in	50 m, 164 ft	B14	RHY50CME	1.50 lb

#### Banner™



- Professional Tradesman's Quality
- Rugged, Vinyl-Covered Steel Case
- Vellow Clad Tape; 3/8"/10mm Wide and 0.008"/0.2mm Thick
- Large Easy Action Winding Drum and Friction Washers
- Nylon Rollers Guide the Tape Smoothly in and Out of Case
- Bold Graduations with Black and Red Numbers for Accurate Measuring
- H Prefix Denotes Product Blade is Fitted with A Folding Hook Ring

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HW223	037103458865	Boxed	3/8 in	50 ft	B1	None	1.00 lb
HW223D	037103458902	Boxed	3/8 in	50 ft	B5	None	0.90 lb
HW223ME	037103458889	Boxed	10 mm, 3/8 in	15 m, 50 ft	В9	None	0.90 lb
HW226	037103458940	Boxed	3/8 in	100 ft	B1	None	1.60 lb
HW226D	037103458964	Boxed	3/8 in	100 ft	B5	None	1.60 lb
HW226ME	037103458988	Boxed	10 mm, 3/8 in	30 m, 100 ft	В9	None	1.60 lb
HW227CME	037103459039	Boxed	10 mm, 3/8 in	50 m, 164 ft	B8	None	2.50 lb

#### **Pro Series Long Steel Tape**





#### **Home Shop**



Vinyl Covered Steel Case

- Yellow Clad Blade
- 0.005" Thick Blade
- Large Easy Action Winding Drum with Friction Washers
- Fitted with A Folding Hook Ring

Cat. N	0.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
HW50	1	037103458827	Boxed	3/8 in	50 ft	B1	0Y50	0.70 lb
HW10	0	037103458841	Boxed	3/8 in	100 ft	B1	OY100	1.25 lb

#### **Hi-Viz® Universal Lightweight**



- High Impact Polystyrene Case, Hi-Viz® Orange
- Yellow Clad Blade 0.005"/0.13mm Thick
- Easy Wind Nylon Drum
- Easy-To-Read Black and Red Markings
- Hook Ring is Retained Neatly in the Contoured Mouth of the Case
- Removable Belt Clip
- All Tapes Are Carded

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
50	037103450685	Carded	3/8 in	50 ft	B1	0Y50	0.50 lb
100L	037103451002	Carded	3/8 in	100 ft	B1	0Y100	0.95 lb
HV15CME	037103089632	Carded	10 mm, 3/8 in	15 m, 50 ft	B8	RY15CME	0.50 lb
HV30CME	037103089656	Carded	10 mm, 3/8 in	30 m, 100 ft	B8	RY30CME	0.94 lb

#### Artisan® Diameter and Tree Tapes



- Rugged, Vinyl-Covered Steel Case
- Chrome Clad® and Nubian® Blade
- 0.008" Thick Blade
- Large Easy Winding Drum and Friction Washers
- Nylon Rollers Guide the Tape Smoothly in and Out of Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
120TP	037103451101	Boxed	3/8 in	20 ft	B10	None	0.30 lb
C120TP	037103451125	Boxed	3/8 in	20 ft	B10	None	0.55 lb
120P	037103451088	Boxed	3/8 in	240 in	B12	0120P	0.50 lb
C106PM	037103060273	Boxed	10 mm	6.5 m	B15	None	0.60 lb
C106TPM	037103060266	Boxed	10 mm	6.5 m	B15	RC106TPM	0.60 lb
C106PMCAL	037103206480	Boxed	10 mm	6.5 m	CAL Ring	None	0.60 lb

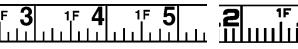


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#### **TECH INFORMATION**

#### Fiberglass & Synthetic Tape Blade Styles

#### **C1 YELLOW CLAD**



- 1/2" width only
- · Yellow clad blade
- · Black and red markings one side only
- · Graduated feet and inches to 1/8ths; numbered with feet and instantaneous foot markings in red and inches in black

#### **C2 YELLOW CLAD**



- 1/2" width only
- · Yellow clad blade

**C5 WHITE CLAD** 

- Black and red markings one side only
- · Graduated feet to 1/10ths and 1/100ths; numbered with feet in red and 1/10ths of feet in black

919 6 **9**7 918

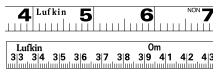
**C3 YELLOW CLAD** 

- 13mm width only · Yellow clad blade
- · Black and red markings one side only
- · Graduated millimeters, numbered at each centimeter
- with red instantaneous meter number

#### **C4 YELLOW CLAD** NON 9 METALLIC 8 Om 3|9 40 4|1 4|2 4|3 4|4 4|5 4|6 4|7 4

- 1/2"/13mm width only
- · Yellow clad blade
- · Black and red markings on both sides
- · Two-sided tapeline; top side in feet, inches, and
- 1/8ths, numbered at each foot with red instantaneous foot numbers; bottom side graduated in millimeters, numbered centimeters with red instantaneous meter number

#### **C7 YELLOW CLAD**



- 1/2"/13mm width only
- · Yellow clad blade
- Black and red markings on both sides
- · Two-sided tapeline; bottom side in metric, graduated in millimeters, numbered in centimeters, with red instantaneous meter number; top side graduated feet to 1/10ths and 1/100ths, numbered with feet in red and 10ths of feet in blade

- · White clad blade
- 5/8" width
- · Black and red markings one side only
- · Graduated feet and inches to 1/8ths, red feet numbers and black inch numbers

#### **C6 WHITE CLAD**



- · White clad blade
- 5/8" width
- · Black and red markings one side only
- · Graduated feet to 1/10ths and 1/100ths, red feet numbers and black tenths of feet numbers





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- · White on top, yellow on bottom

3 FT

- · Black and red markings both sides
- Two-sided tapeline; top side graduated in millimeters, numbered centimeters with meters, bottom in feet and inches

9 901 2 3 4 5 6 7 8 9 1m1

2

3

4

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- 3/4" width only
  - White on top, yellow on bottom
  - · Black and red markings both sides
  - · Two-sided tapeline; top side feet and inches, graduated

to 8ths; bottom decimal feet

#### **Pro Series Fiberglass Tapes**



- Patents Pending
- Interchangeable End Hooks for User Convenience
- Ring End Hook Snaps Onto Stake for 1-Person Measurements
- Standard Folding End Hook for General Measuring Needs
- Appraiser's Hook Attaches to Oversized Objects Such as Downspouts
- 3-To-1 Rewind for Fast Blade Retraction
- 3/4" Blade is More Durable; Large Numbers Are Easy to Read
- 2-Sided Blade, Feet & Inches on Top, Feet to 10ths and 100ths on Bottom
- 62 Fiberglass Strands and Double-PVC Coating for Durability and Strength
- Cushion Grips on Handle and Frame Arms for Comfort

UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
037103224811	Carded	3/4 in	100 ft	C11	2.55 lb
037103224828	Carded	3/4 in	200 ft	C11	3.79 lb
037103224804	Carded	3/4 in	300 ft	C11	4.77 lb
037103233981	Carded	19 mm, 3/4 in	30 m, 100 ft	C12	2.55 lb
037103233998	Carded	19 mm, 3/4 in	60 m, 200 ft	C12	3.79 lb
037103234001	Carded	19 mm, 3/4 in	100 m, 328 ft	C12	4.77 lb
037103231635	Carded	-	-	None	0.05 lb
	037103224811 037103224828 037103224804 037103233981 037103233998 037103234001	O37103224811         Carded           037103224828         Carded           037103224804         Carded           037103233981         Carded           037103233998         Carded           037103234001         Carded	O37103224811         Carded         3/4 in           037103224828         Carded         3/4 in           037103224804         Carded         3/4 in           037103224804         Carded         3/4 in           037103224804         Carded         3/4 in           037103233981         Carded         19 mm, 3/4 in           037103233998         Carded         19 mm, 3/4 in           037103234001         Carded         19 mm, 3/4 in	O37103224811         Carded         3/4 in         100 ft           037103224828         Carded         3/4 in         200 ft           037103224804         Carded         3/4 in         300 ft           037103224804         Carded         3/4 in         300 ft           037103233981         Carded         19 mm, 3/4 in         30 m, 100 ft           037103233998         Carded         19 mm, 3/4 in         60 m, 200 ft           037103234001         Carded         19 mm, 3/4 in         100 m, 328 ft	O37103224811         Carded         3/4 in         100 ft         C11           037103224828         Carded         3/4 in         200 ft         C11           037103224804         Carded         3/4 in         200 ft         C11           037103224804         Carded         3/4 in         300 ft         C11           037103233981         Carded         19 mm, 3/4 in         30 m, 100 ft         C12           037103233998         Carded         19 mm, 3/4 in         60 m, 200 ft         C12           037103234001         Carded         19 mm, 3/4 in         100 m, 328 ft         C12

\* 3 Piece Replacement End Hook Kit

#### **Fiberglass Tapes**



- Open Four-Arm Frame Design Protects Blade, Does Not Trap Dirt in Case
- Lightweight But Strong Case is Easy to Handle and Rewind
- Two-Material Grip is Comfortable to Use
- $\blacksquare$  Hi-Viz  $\circledast$  Orange Case is Easy to Find on the Job Site
- Folding End Hook for True-Zero Measurements
- Vellow Clad Fiberglass Blade Impervious to Moisture

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
FE050	037103224033	Carded	1/2 in	50 ft	C1	1.38 lb
FE050D	037103224040	Carded	1/2 in	50 ft	C2	1.38 lb
FE100	037103224057	Carded	1/2 in	100 ft	C1	1.65 lb
FE100D	037103224026	Carded	1/2 in	100 ft	C2	1.65 lb
FE150	037103224071	Carded	1/2 in	150 ft	C1	1.82 lb
FE150D	037103224088	Carded	1/2 in	150 ft	C2	1.82 lb
FE200	037103224095	Carded	1/2 in	200 ft	C1	2.00 lb
FE200D	037103224064	Carded	1/2 in	200 ft	C2	2.00 lb
FE300	037103224118	Carded	1/2 in	300 ft	C1	2.80 lb
FE300D	037103224125	Carded	1/2 in	300 ft	C2	3.00 lb
FM015CME	037103224132	Carded	1/2 in	15 m, 50 ft	C4	1.30 lb
FM030CM	037103224101	Carded	13 mm	30 m	C3	1.56 lb
FM030CME	037103224156	Carded	13 mm, 1/2 in	30 m, 100 ft	C4	1.58 lb
FM030DM	037103224163	Carded	13 mm, 1/2 in	30 m, 100 ft	C7	1.58 lb
FM050CM	037103224170	Carded	13 mm	50 m	C3	1.75 lb
FM050CME	037103224149	Carded	13 mm, 1/2 in	50 m, 164 ft	C4	1.75 lb
FM060CME	037103224194	Carded	13 mm, 1/2 in	60 m, 200 ft	C4	2.00 lb
FM100CME	037103224187	Carded	13 mm, 1/2 in	100 m, 328 ft	C4	3.25 lb



#### **HI-VIZ®** Linear



- Lightweight High Impact ABS Case
- Durable 1/2" Wide Fiberglass Tape is Encapsulated in Flexible Plastic
- Non-Conductive, Easy-To-Read Black, Red Markings, Yellow Background
- Lightweight High Impact Abs Winding Drum for Smooth Tape Recovery
- Blaze Orange Case

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
1707	037103454669	Carded	1/2 in	150 ft	C1	1.65 lb
703	037103453525	Carded	1/2 in	50 ft	C1	0.90 lb
703D	037103453549	Carded	1/2 in	50 ft	C2	0.80 lb
706D	037103453587	Carded	1/2 in	100 ft	C2	1.30 lb
706L	037103453563	Carded	1/2 in	100 ft	C1	1.20 lb

#### Hi Line® Tapes



- Synthetic Fiber Blade is Non-Conductive
- Steel Case with Vinyl Covering

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Product Weight
HD403	037103202369	Carded	5/8 in	50 ft	C5	1.00 lb
HD403D	037103202352	Carded	5/8 in	50 ft	C6	1.00 lb
HD406	037103202338	Carded	5/8 in	100 ft	C5	1.40 lb
HD406D	037103202321	Carded	5/8 in	100 ft	C6	1.40 lb
HDH406	037103202376	Carded	5/8 in	100 ft	C5	1.40 lb
HDH406D	037103202383	Carded	5/8 in	100 ft	C6	1.40 lb



#### **TECH INFORMATION**

#### **Oil Gauging Tape Blade Styles**



#### • 1/2" width only

- Markings one side only
- Graduated instantaneous feet and inches to 1/8ths

#### D2 CHROME CLAD® & NUBIAN®



- 1/2" width only
- · Markings one side only
- Graduated in feet to 1/10ths and 1/100ths of an foot; reads right to left

#### D4 CHROME CLAD<sup>®</sup> & STAINLESS STEEL



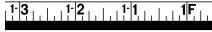
- 1/2" width only
- · Markings one side only
- Graduated feet and inches to 1/8ths; instantaneous foot readings

#### **D5 NUBIAN®**

# ||5\_1-|4\_1-|3\_1-|2\_1-|1

- 1/2" width only
- Nubian® blade
- · Markings one side only
- Graduated feet and inches to 1/8ths; instantaneous foot readings

#### D3 CHROME CLAD® & NUBIAN®



#### 51515049948474647464444443

- 1/2"/13mm width only
- Markings both sides
- Graduated in millimeters on one side; other side instantaneous feet and inches to 1/8ths

#### **D6 CHROME CLAD®**



i0 3|40 3|30 3|20 3|10 3|00 2|90 2|80 2|70 2|60

- 1/2"/13mm width
- Chrome Clad® blade
- · Black and red markings on metric side
- Metric graduated meters to millimeters; numbered right to left in meters and millimeters
- English side graduated feet and inches to 1/8ths; numbered right to left

#### **D7 NUBIAN®**



- 1/2" width only
- Nubian® blade
   Craduated in materia number
- Graduated in meters; numbered in millimeters

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#### Atlas® Chrome Clad® / Nubian® Double Duty



- Recessed Beneath Multiple Layers of Nickel and Chrome Electroplating
- Provides Greater Resistance to Wear and Corrosion
- All Tapes Read Right to Left
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
CN129012SF5	037103459527	Boxed	590	1/2 in	18 ft	D1	0CN129012SF5	1.60 lb
CN1290SF590	037103459534	Boxed	590	1/2 in	25 ft	D1	0CN1290SF590	1.60 lb
CN1290SME	037103001696	Boxed	590	13 mm, 1/2 in	8 m, 26 ft	D3	None	1.80 lb
CN1291SF590	037103459541	Boxed	590	1/2 in	33 ft	D1	0CN1291SF590	1.90 lb
CN1293SF5871	037103459763	Boxed	5871/2	1/2 in	50 ft	D1	None	2.30 lb
CN1293SF590	037103459558	Boxed	590	1/2 in	50 ft	D1	0CN1293SF590	2.20 lb
CN1293SDF590	037103459596	Boxed	590	1/2 in	50 ft	D2	0CN1293SDF59	2.20 lb
CN1293SMEF59	037103459602	Boxed	590	13 mm, 1/2 in	15 m, 50 ft	D3	OCN1293SMEF5	2.30 lb
CN1294SF5871	037103459770	Boxed	5871/2	1/2 in	66 ft	D1	None	2.70 lb
CN1294SF590	037103459565	Boxed	590	1/2 in	66 ft	D1	0CN1294SF590	2.60 lb
CN1294SMEF59	037103459619	Boxed	590	13 mm, 1/2 in	20 m, 66 ft	D3	OCN1294SMEF5	2.60 lb
CN1295SME590	037103122124	Boxed	590	13 mm, 1/2 in	23 m, 75 ft	D3	OCN1295SME590	2.88 lb
CN1295SF590	037103459572	Boxed	590	1/2 in	75 ft	D1	0CN1295SF590	2.90 lb
CN1295SME	037103440815	Boxed	5871/2	13 mm, 1/2 in	23 m, 75 ft	D3	None	2.70 lb
CN1296SF590	037103459589	Boxed	590	1/2 in	100 ft	D1	0CN1296SF590	3.56 lb
CN1296SMEF59	037103459626	Boxed	590	13 mm, 1/2 in	30 m, 100 ft	D3	OCN1296SMEF5	3.60 lb
CN1298SME590	037103104243	Boxed	590	13 mm, 1/2 in	38 m, 125 ft	D3	None	4.20 lb



#### Atlas® Chrome Clad®



- Recessed Beneath Multiple Layers of Nickel and Chrome Electroplating
- Provides Greater Resistance to Wear and Corrosion
- All Tapes Read Right to Left
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C129012SF	037103454065	Boxed	590	1/2 in	18 ft	D4	0C- 129012SF59	1.60 lb
C1290SF590	037103454102	Boxed	590	1/2 in	25 ft	D4	0C1290SF590	1.80 lb
C1291SF590	037103454140	Boxed	590	1/2 in	33 ft	D4	0C1291SF590	1.90 lb
C1293SF590	037103454256	Boxed	590	1/2 in	50 ft	D4	0C1293SF590	2.30 lb
C2910MME590	037103063373	Boxed	590GM	13 mm, 1/2 in	10 m, 33 ft	D6	0C- 2910MME590	1.95 lb
C2915MME590	037103091406	Boxed	590GM	13 mm, 1/2 in	15 m, 50 ft	D6	None	2.35 lb
C2920MME590	037103003386	Boxed	590GM	13 mm, 1/2 in	20 m, 66 ft	D6	None	2.70 lb
C2920MME150M	037103047168	Boxed	150 mm	13 mm, 1/2 in	20 m, 66 ft	D6	None	2.50 lb

#### Atlas® Nubian®



- Ideal for Gauging Clear Oils
- Etched Background
- Blade Protected By Flowed-On Epoxy Coating
- Raised Bright Steel Markings Are Clearly Legible
- All Tapes Read Right to Left, Except 3/8" X 50' Reads Left to Right
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
1290SF590	037103454089	Boxed	590	1/2 in	25 ft	D5	01290SF590	1.70 lb
1293SF590	037103454201	Boxed	590	1/2 in	50 ft	D5	01293SF590	2.30 lb
1293SM590	037103441676	Boxed	590	13 mm	15 m	D7	None	1.90 lb



#### Atlas® Stainless Steel®



- Designed for Use in Highly Corrosive Solutions
- Stainless Steel Blade Resists Corrosion
- Heavy-Duty Frame Designed for Years of Rugged Use
- All Frames Include a Grounding Strap
- Plumb Bob Must be Ordered Separately
- Recommended Plumb Bob: S590
- Blade Style: D4

Cat. No.	UPC No.	Packaging	Bob Cut	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
S1291F590	037103440839	Boxed	590	1/2 in	33 ft	D4	0S1291F590	1.50 lb
S1293F590	037103456823	Boxed	590	1/2 in	50 ft	D4	0S1293F590	2.00 lb

#### **Inage Oil Gauging Plumb Bobs**

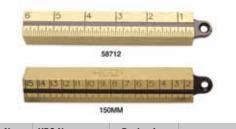


For Use in Heavy Oils

- Cylindrical Shaped
- Tapered Point Tip

Cat. No.	UPC No.	Packaging	Description	Length	Product Weight
590	037103453204	Boxed	20 oz Plumb Bob, Solid Brass Inage, Cylindrical Shape	6.75 in	1.40 lb
590G	037103453235	Boxed	20 oz Plumb Bob, Solid Brass, Graduated in Inches, Blunt Point	6.75 in	1.40 lb
590GM	037103453242	Boxed	20 oz Plumb Bob, Solid Brass, Graduated in Millimeters and Centimeters	6.75 in	1.40 lb
<b>590GME</b>	037103442895	Boxed	20 oz Plumb Bob, Solid Brass, Metric and English	6.75 in	1.40 lb
S590	037103460134	Boxed	20 oz Plumb Bob, Stainless Steel, Cylindrical Shape	6.75 in	1.20 lb

#### **Outage Oil Gauging Plumb Bob**



Square Shaped Solid Brass Bob

- Eye Milled From Solid Brass Block (Not Removable)
- Zero Falls Inside Top of Hook Eye

Cat. No.	UPC No.	Packaging	Description	Length	Product Weight
58712	037103453181	Boxed	20 oz Plumb Bob, Solid Brass Outage	6 in	1.27 lb
150MM	037103105875	Boxed	570g Plumb Bob, Brass Outage	152 mm	1.27 lb

OIL GAUGING TAPES & PLUMB BOBS

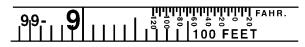


#### TECH INFORMATION

#### **Steel Tape Line Accuracy**

Lufkin® steel tapes are made to government standards. Our bench standards for the United States are certified accurate by the United States Department of Commerce, N.I.S.T. Tapes for Canada are made to Canadian government standards.

Temperature standard for steel tapes is 68°F, which equals 20°C. Coefficient of expansion of steel tapes is 0.00000645' per degree F; 0.0000116' per degree C. This amounts to 0.000645' or 0.00774" per degree F. on a 100' tape, and one-half as much on a 50' tape. As a figure that is reasonably accurate and also easy to handle, it is customary on very long runs of pipe to allow 1/10" per 100' for each 10° change.



The above illustration shows, for a 100' tape, the actual length variations of temperature within the range of 20° below to 120° above zero °F. The terminal graduation on the lower edge is at 68°, this being standard temperature. Standard tension for steel tapes 25 to 100' long (10 to 30m) supported entire length on a horizontal, flat surface, is 10 pounds (4.5 kg.); for all tapes over 100', 20lbs., (9kg.). For steel tapes suspended horizontally and supported only at ends, there can be no set or standard tension for accuracy because of weight and other variations.

The following listings are averages of many tests made by the N.I.S.T. of Lufkin® steel tapes supported throughout and supported ends only. These averages are taken from the experience of tests and should be used as a working basis only, and not to replace the test of any individual tape. All tape lengths are 100'.

Tape Width (in)	Kind of Tape	Tension of Accuracy Thru-out (Ibs)	Supported Ends Only (lbs)
1/4	Chain Tapes	10	24
1/4	Engineer's (0.12")	10	18
1/4	Engineer's Extra Heavy Tapes	10	24
3/8 & 1/2	Standard Weight Tapes	10	18

**NOTE:** Temperature and tension need to be taken into account only on precise work. We recommend a government test of tapes to be used for such work or for use as master standard. The N.I.S.T. and Lufkin® have a charge for this test.

#### **Steel Tape Blade Styles**

#### E1 CHROME CLAD® & YELLOW CLAD

#### **1|F**+++**|**+++**|**++++|+<sup>1</sup>|

- 1/4" and 3/8" widths
- $\bullet$  Chrome Clad  $\ensuremath{\mathbb{B}}$  and yellow clad blade
- Markings on one side only
- Graduated to feet, 1/10ths and 1/100ths with a blank space at last end
- E2 CHROME CLAD®

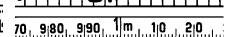
• 1/4"/6mm width only

· Chrome Clad® blade

· Markings on both sides

· Graduated millimeters one side

· Graduated feet, inches and 1/8ths other side



#### E3 CHROME CLAD® & YELLOW CLAD



- 1/4" and 3/8" widths
- Chrome Clad® blade
- Yellow clad available in 1/4" only
- Black markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings
- 16" centers indicated by a diamond symbol on 3/8" width only

#### E4 NY-CLAD<sup>®</sup> YELLOW



- 1/2" width only
- Nylon-clad yellow blade
- Black and red markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings
- Numbered with feet and instantaneous foot markings in red and inches in black

#### E5 NY-CLAD® YELLOW



- 1/2" width only
- Nylon-clad yellow blade
- Black and red markings one side only
- · Graduated feet to 1/10ths and 1/100ths
- Numbered with feet in red and 1/10ths in black

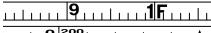
#### E11 CHROME CLAD®

#### 

- 6mm width
- · Black and red markings one side only
- Graduated meters to millimeters
- Red meter numbers and black millimeter numbers at each decimeter

SURVEYING TAPES

#### E12 CHROME CLAD®



#### 

- 1/4" width
- Black and red markings one side; black markings other side
- Graduated meters to millimeters one side
- Red meter numbers and black millimeter numbers
- at each decimeter • Graduated feet to 1/10ths and 1/100ths other side
- Numbered feet and 1/10ths black markings only

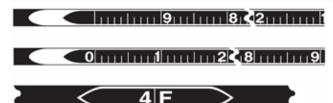
#### E13 CHROME CLAD®



#### 

- 1/4" width
- Black and red markings both sides
- Graduated meters to millimeters one side
- Red meter numbers and black millimeter numbers at each decimeter
- Graduated feet and inches to 1/8ths other side with red feet numbers and black inch numbers

#### Super Hi-Way® Nubian®



- Nominal Thickness 0.017"
- Easy-To-Read Raised Graduations
- Lines Have A Blank Space at Each End
- Extra Foot Before Zero Graduated Right to Left to 1/10ths and 1/100ths
- Balance Marked Every Foot Except Last Foot of Each 100' Length, 100ths

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
09100B	037103455437	Boxed	5/16 in	100 ft	None	None	2.20 lb
09200B	037103101266	Boxed	5/16 in	200 ft	None	None	3.60 lb
09300B	037103455598	Boxed	5/16 in	300 ft	None	None	5.90 lb

#### Pro Series Ny-Clad® Steel Tapes



- Durable Nylon Coating on Blade Resists Wear Under Extreme Conditions
- Super Fast 3-To-1 Blade Retraction Saves Time in the Field
- Steel Blade Will Not Stretch Under Normal Use

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
PS1806N	037103236876	Carded	1/2 in	100 ft	E4	None	2.02 lb
PS1806DN	037103236883	Carded	1/2 in	100 ft	E5	None	1.98 lb
PS1808N	037103236890	Carded	1/2 in	200 ft	E4	None	3.04 lb
PS1808DN	037103236906	Carded	1/2 in	200 ft	E5	None	3.14 lb
PS1809DN	037103236913	Carded	1/2 in	300 ft	E5	None	4.11 lb

#### Derrick



- Nominal Blade Thickness 0.019"
- Extra Large Winding Drum Provides Rapid Line Recovery
- Special Hook Ring with Ribbed Face at Zero
- Leather Thong is Provided to Use Through Eye at Rear
- Chrome Clad® Blade

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C2276D	037103454713	Boxed	1/4 in	100 ft	E1	0C2276D	2.90 lb
C2276ME	037103454737	Boxed	1/4 in, 6 mm	100 ft, 30 m	E2	0C2276ME	3.00 lb
CD2730DMM	037103063700	Boxed	6 mm	30 m	E12	OCD2730DMM	2.75 lb
CD2750MME	037103063687	Boxed	1/4 in, 6 mm	164 ft, 50 m	E13	OCD2750MME	3.60 lb

#### Western®



Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1676D	037103454584	Boxed	1/4 in	100 ft	E1	0C1676D	3.00 lb
Y1676D	037103459435	Boxed	1/4 in	100 ft	E1	None	2.40 lb

#### **Chrome Clad®**



- 3/8"/10mm Wide and 0.008" Thick
- Long, Easy-Action Winding Handle That Locks Line in Any Position
- Reel is Nickel Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Instantaneous Reading
- Zero Falls at Outer End of Ring
- Reel Available Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1286	037103454003	Boxed	3/8 in	100 ft	E3	-	2.20 lb
C1286D	037103454027	Boxed	3/8 in	100 ft	E1	0C1286D	2.20 lb
C1288	037103454041	Boxed	3/8 in	200 ft	E3	OC1288	3.19 lb
C1288BLK	037103124128	Boxed	3/8 in	200 ft	E3	-	3.19 lb



#### **Peerless**



- Designed for Engineers and Surveyors Who Prefer a 4-Arm Reel
- Chrome Clad® and Yellow Clad Blade
- Blade 1/4"/6mm Wide and 0.016"/0.4mm Thick
- Subdivided Line Removes Easily From Reel
- Long, Easy-Action Winding Handle That Locks Line in Any Position
- Reel is Nickel Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Open Design Construction Aids in Drying Line and Clearing Out Dirt
- Pair of 580 Finger Rings and a 579 Engineer's Conversion Rule are Furnished with Tape or Replacement Line
- Reel Available Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Blade Style	Replacement Blade Cat No.	Product Weight
C1276	037103453822	Boxed	1/4 in	100 ft	E3	0C1276	2.40 lb
C1278	037103453860	Boxed	1/4 in	200 ft	E3	0C1278	3.70 lb
C1276D	037103453846	Boxed	1/4 in	100 ft	E1	0C1276D	2.40 lb
C1278D	037103453884	Boxed	1/4 in	200 ft	E1	0C1278D	3.70 lb
C2730MM	037103060297	Boxed	6 mm	30 m	E11	0C2730MM	2.40 lb
C2730DMM	037103060204	Boxed	1/4 in, 6 mm	100 ft, 30 m	E12	0C2730DMM	2.50 lb
C2730MME	037103060280	Boxed	1/4 in, 6 mm	100 ft, 30 m	E13	0C2730MME	2.40 lb
C2750DMM	037103060181	Boxed	1/4 in, 6 mm	164 ft, 50 m	E12	0C2750DMM	3.44 lb
C2750MME	037103001351	Boxed	1/4 in, 6 mm	164 ft, 50 m	E13	None	3.36 lb
Y1276	037103457790	Boxed	1/4 in	100 ft	E3	RY1276	2.00 lb
Y1278	037103457837	Boxed	1/4 in	200 ft	E3	RY1278	2.80 lb
Y1279	037103457875	Boxed	1/4 in	300 ft	E3	RY1279	4.10 lb
Y1276D	037103457806	Boxed	1/4 in	100 ft	E1	RY1276D	2.10 lb
Y1278D	037103457844	Boxed	1/4 in	200 ft	E1	RY1278D	3.05 lb
Y1279D	037103457882	Boxed	1/4 in	300 ft	E1	None	4.10 lb

#### 81 and 91 Series Reels for Chrome Clad® and Gauging Tapes



- For 3/8" 10mm and 1/2"/13mm Widths Chrome Clad and Gauging Tapes
- Chrome 2 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
9150L	037103450968	Boxed	1/4 in	200 ft	1.20 lb



#### 31 Series Reel for Over 100' Lengths



- For Over 100' Lengths
- Chrome 4 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
31200	037103450531	Boxed	5/16 in	300 ft	3.00 lb
31300	037103450548	Boxed	1/4 in	100 ft	3.10 lb

#### **11 Series Reel for Peerless Chrome Clad® Tapes**



- For 1/4"/6mm Wide 100' and 200' Lengths, Fits Peerless Chrome Clad Tapes
- Chrome 4 Arm Frame
- Not All Replacement Parts Sold Separately

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
11100	037103450272	Boxed	1/2 in	50 ft	1.30 lb
11200	037103450289	Boxed	5/16 in	200 ft	1.40 lb

#### **Derrick Replacement Reel**



- For 1/4"/6mm Wide 150 and 200' Lengths
- Fits Western Chrome Clad® Tapes

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	<b>Product Weight</b>
12200	037103450340	Boxed	Western® Chrome Clad® Tapes	1/4 in	200 ft	4 Arm	1.85 lb

#### Western® Replacement Reel



For 1/4" or 5/16" X 100' Lengths of Steel Tapes Only
 Reel is Nickel-Plated, 2-Arm with Rollers in Each Arm for Smooth Winding
 Oversize Drum with Long, One-Piece Winding Handle, Quick Return of Line

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	Product Weight
31100	037103450517	Boxed	Fits 100 ft Tapes Only	1/4 in	100 ft	2 Arm	1.40 lb



#### **Engineering and Surveying Replacement Reel**



- For 1/2" X 75' Chrome Clad® and Gauging Tapes
- Reel is Nickel-Plated, 4-Arm with Rollers in Each Arm for Smooth Winding
- Oversize Drum with Long, One-Piece Winding Handle, Quick Return of Line

Cat. No.	UPC No.	Packaging	Fits Product Number	Blade Width	Blade Length	Style of Case or Reel	Product Weight
9175	037103450975	Boxed	Chrome Clad and Gauging Tapes	1/2 in	75 ft	4 Arm	1.30 lb

#### **Detachable hook**

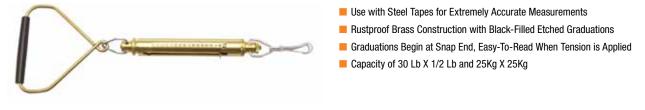
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Cat. No.	UPC No.	Packaging		Product Weight	
		Revenue .	<ul> <li>On Tapes Measuring From Outer End of Ring, Zero Falls at Inside of Hook</li> <li>Can Be Used on Lines 3/8"/10mm Wider</li> </ul>		
			Serrated Face	e Grips Firmly and Releases Easily	
	13		Heavily Nickel	I Plated, Zinc Hook	
	m		Easily Attache	es and Detaches From Standard Ring Tape Line	

Cat. No.	UPC No.	Packaging	Product Weight
552	037103452832	Boxed	0.04 lb

# Tape Clamps Handle Used for Quickly and Positively Gripping a Steel Tape at Any Point Applies Light or Heavy Tension Clamp is Applied and Removed By Simply Operating the Handle Used Properly, It Will Not Damage a Tape in Any Way Made of Chrome-Plated Zinc Alloy Cat. No.UPC No.PackagingProduct Weight584037103453143Boxed0.20 lb

#### **Tape Tension Handles**



Cat. No.	UPC No.	Packaging	Product Weight
586	037103453150	Boxed	0.60 lb

#### **Red End® Extension Folding Wood Rules**



- Slide Rule Runs Under Friction in T-Slot
- Stops at Each End to Prevents Slide From Falling Out
- Marked Both Sides and Both Edges
- Graduated to 1/16ths of An Inch
- 16" Stud Centers in Red, Regular Outside Markings
- TX46N has Two 6" Extension Slides; an Extension is ready for use on the First Section
- HX46N has a Hook; Zero Falls Inside of Hook, for Distance Measuring
- K46FN has Flat, Inside Markings; Numbering Begins on Inside of Rule

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
TX46N	037103265555	Boxed	5/8 in	6 ft	0.35 lb
HX46N	037103265746	Boxed	5/8 in	6 ft	0.39 lb
X48N	037103265708	Boxed	5/8 in	8 ft	0.50 lb
X46FN	037103265685	Boxed	5/8 in	6 ft	0.35 lb

#### **Red End® Folding Wood Rule**



- Marked Both Sides, Both Edges
- 066FN has Inside Markings; Numbering Begins on Inside of Rule; Measurement Lies Close to the Work
- 062CMEN is Marked Both Sides, Reading Left to Right on Both Sides; Rule is Graduated in millimeters with centimeters and meter markings on metric side; English Side is Marked to 1/16ths

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
T066N	037103265609	Boxed	5/8 in	6 ft	0.34 lb
066FN	037103265531	Boxed	5/8 in	6 ft	0.34 lb
062CMEN	037103265586	Boxed	5/8 in	6 ft	0.39 lb

#### Red End® - Two Way Folding Wood Rule



- For Measuring Left to Right, Right to Left
- Marked Both Sides
- Graduated in Feet, Inches and 1/16ths on Both Sides and Both Edges
- Flat Inside Markings Lie Close to the Work

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
966N	037103265562	Boxed	5/8 in	6 ft	0.34 lb



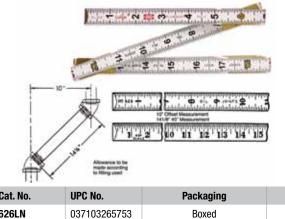
#### **Red End® Engineer's Folding Wood Rule**



- Graduated in Feet, 1/10ths and 1/100ths of Feet
- Red Foot Figures
- Regular Outside Markings in Feet, Inches and 1/16ths
- Decimal Points on Engineer's Scale Prevent Reading Errors

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
1066DN	037103265517	Boxed	5/8 in	6 ft	0.35 lb
1066DMN	037103265692	Boxed	16 mm, 5/8 in	2 m, 6.5 ft	0.36 lb

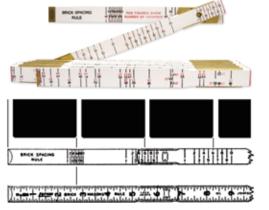
#### **Red End® Plumber's Folding Wood Rule**



- For Working with 45° Elbows to Eliminate Figuring and Chance of Error
- Graduated One Side, in Black, Inches to 1/16ths Both Edges
- Other Side in Red, 45° Scale Inches to 1/16ths Upper Edge Only
- Turning Rule From Black to Red Gives Corresponding 45° Elbow Dimension

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
626LN	037103265753	Boxed	5/8 in	6 ft	0.25 lb

#### **Red End® Brick Mason's Folding Wood Rule**



#### Used By Bricklayers

- Graduated Vertical Inches to 1/16ths, Both Edges
- Brick Mason Scale on Inside, Red Course Counters Numbered Consecutively
- Regular Outside Markings in Black

Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
T656N	037103265647	Boxed	5/8 in	6 ft	0.35 lb
T636N	037103265630	Boxed	5/8 in	6 ft	0.30 lb

FOLDING RULES



#### **Red End® Modular Spacing Folding Wood Rule**



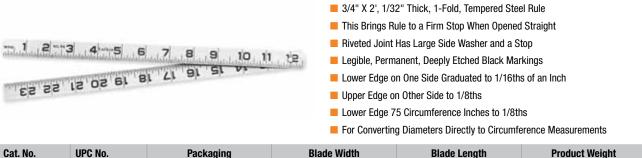
Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
646LN	037103265616	Boxed	5/8 in	6 ft	0.35 lb

#### **Doyle Log Scale**



Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
TT524N	037103265678	Boxed	5/8 in	48 in	0.24 lb

#### **Steel Blacksmith's Rule**



Cat. No.	UPC No.	Packaging	Blade Width	Blade Length	Product Weight
86	037103456601	Boxed	3/4 in	2 ft	0.14 lb



#### **School Shop Steel Rules**

0-4 11-		Dealersing	Diada Thistory		Dissis I an add	Due des et Weiterhet		
			<b>—</b> (	Opposite Measure From O	pposite Ends			
		One Side 1/8ths; Other Side 1/16ths						
			<b>=</b> L	arge Graduations, Marked	d Upper Edge Both Sides			
			<b>=</b> [	Deeply-Etched, Permanent	Markings are Black-Fille	ed for Easy Reading		
			<b>=</b> H	lole in One End for Hangir	ıg			
			<b>N</b>	Medium Weight, Tempered	I Steel Rule			
	• 3 41. to 5	6 8 9	10 11	Jsed in School Shops and	Industrial Plants			
RECEIPTION OF THE PARTY NAME		1/32" X 3/4" X 12" Steel Rule						

Cat.	No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
601	2IN	037103450739	Boxed	1/32 in	3/4 in	12 in	0.07 lb

#### **One-Piece Steel Rules**

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	2	4 Lafkin 5	6
dilutilitiliti	alahahahahahaha	dalada ada laba	ada ada ada ada a

- Bold Markings, Deeply Etched and Permanent are Black Filled
- Heavier than on Machine-Divided Rules
- Large Graduations, Marked Both Sides, Both Edges
- Upper Edge Graduated in 1/8ths, Lower Edge in 1/16ths
- Opposite Sides Measure From Opposite Ends

Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
621FT	037103450791	Boxed	1/16 in	1-1/4 in	1 ft	0.30 lb
622FT	037103450807	Boxed	1/16 in	1-1/4 in	2 ft	0.50 lb
623FT	037103450814	Boxed	1/16 in	1-1/4 in	3 ft	0.80 lb
624FT	037103450821	Boxed	1/16 in	1-1/4 in	4 ft	1.00 lb
626FT	037103450838	Boxed	1/16 in	1-1/4 in	6 ft	1.50 lb

#### **Aluminum Yardstick**

			- L - L - E	ies Flat and Has a Hang- asy-To-Read Markings o	tproof and Sharply Define	
Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
1260	037103453808	Boxed	1/32 in	15/64 in	36 in	0.30 lb

#### **Tinner's Steel Circumference Rules**

037103450999

Boxed

	1 2	3 4 5 5 3 10 11 12 13 14 15 16 15 3 3 4 35 04 105 106 107 108 109 10 11 12	- T - F - C - F	Standard Rule with Tinners Tempered Medium-Weight Hole in One End for Hangin Markings are Black for Eas One Side Upper Edge Mark Reverse Side has Formulas Size Tables for Laying Out	Steel g wy Reading wed Inches to 1/16ths s for Calculating Circumfe	
Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
953FT	037103450982	Boxed	1/16 in	1-1/4 in	3 ft	0.80 lb

œ

1-1/4 in

4 ft

1.00 lb

1/16 in

954FT



#### **Metric English Aluminum Meter Stick**

	NO. SPE MAR	10 cm	Lufkin
--	-------------	-------	--------

Useful for Making the Transition to the Metric System	stem
---	------

- Graduated on Front Side in Inches to 1/16ths on Upper Edge
- Graduated Decimeters, Centimeters and Millimeters Lower Edge
- Other Side Shows Table of Equivalents and Conversions

45.5 in

25 in

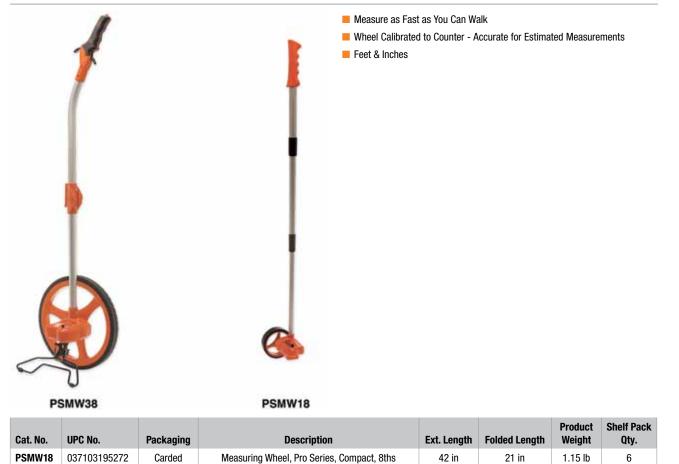
Cat. No.	UPC No.	Packaging	Blade Thickness	Blade Width	Blade Length	Product Weight
1261ME	037103453815	Boxed	1/32 in	1 in, 27 mm	1 m	0.40 lb

#### **Pro Series Measuring Wheels**

PSMW38

037103195289

Carded



2

3.35 lb

8

Measuring Wheel, Pro Series, Contractor's, 8ths



#### **Measuring Wheels**



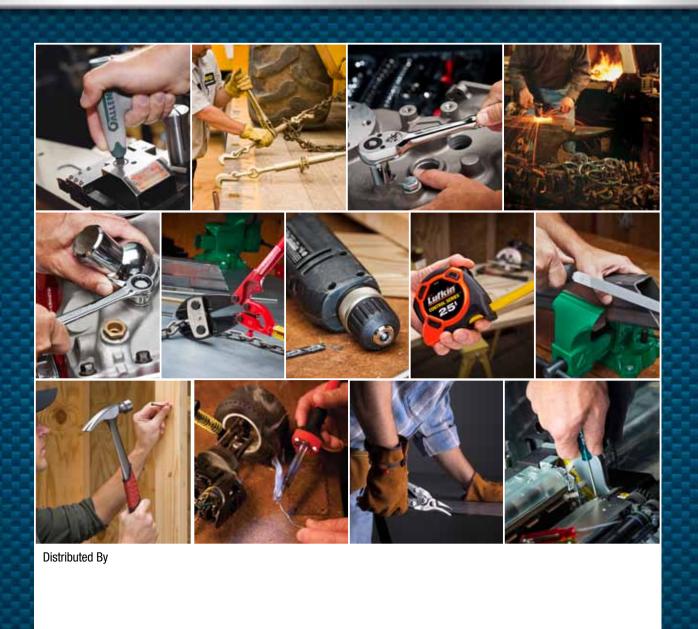
- Measure as Fast as You Can Walk
- Wheel Calibrated to Counter Accurate for Estimated Measurements

MW38

Cat. No.	UPC No.	Packaging	Description	Ext. Length	Folded Length	Product Weight	Shelf Pack Qty.
MW18TP	037103197368	Carded	Executive Measuring Wheel, Feet and Inches in 8ths	26 in	17 in	0.90 lb	-
MW18M	037103142061	Carded	Executive Measuring Wheel, Meters/Decimeters	26 in	17 in	1.00 lb	6
MW38TP	037103197375	Carded	Contractor Measuring Wheel, Feet & Inches in 8ths	41 in	30 in	2.30 lb	-
MW38M	037103142078	Carded	Contractor Measuring Wheel, Meters/Decimeters	41 in	30 in	2.50 lb	-



#### Hand Tool Product Catalog



Apex Tool Group World Headquarters 14600 York Road, Suite A Sparks, MD 21152 www.apextoolgroup.com

#### No. T550897 © 2014, Apex Tool Group, LLC Specifications subject to change without notice.

# Customer Service U.S. Phone:

North	866 907 9706
South	866 907 9706
Midwest	866 907 9716
West/SW	866 907 9716
Hardware	919-362-1670

#### Customer Service U.S.

Fax:	
North	800-854-5137
South	800-854-5139
Midwest	800-854-5138
West/SW	800-546-7312
Hardware	877-387-0415
Export	919-387-2402

# Customer Service Canada Phone: ......705-728-3888 Fax: ......800-403-8665