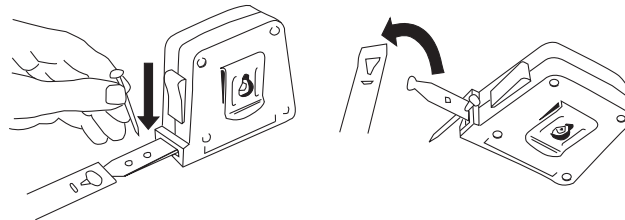


## How to Change Short Tape Blades:

- 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.



Lufkin

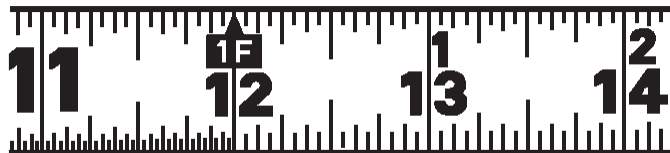
### A1 Yellow Clad

- 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"



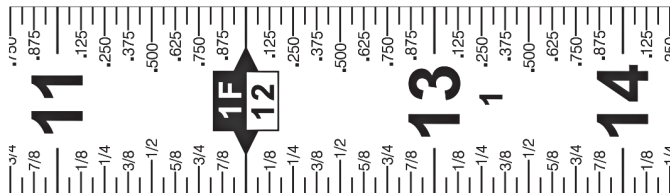
### A2 Yellow Clad

- 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"



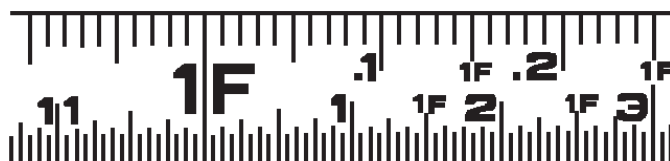
### A3 Yellow Clad

- 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"

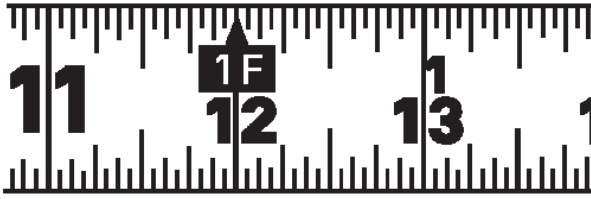


### A4 Yellow Clad

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

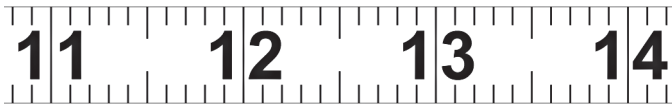


### A5 Yellow Clad



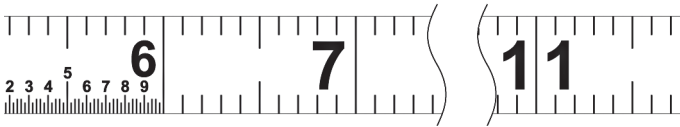
- 1-3/16" and 1" widths
- Black and red markings one side only
- Consecutive inches to 16ths
- Stud marks every 16"
- Truss marks every 19.2"
- Instantaneous foot readings

### A6 Chrome Clad®



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

### A7 Yellow Clad



- 1/2" width only
- Black markings one side only
- Graduated to 1/10ths of inches on both edges
- First 6" on bottom edge graduated to 1/50ths

### A8 Chrome Clad®



- 1/2" width only
- Chrome Clad® blade
- Black markings one side only
- Graduated consecutive inches and 1/16ths on top and bottom edges

### A9 Yellow Clad



- 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

### 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

### A12 Yellow Clad

- 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



### A13 Yellow Clad

- 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;



### 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



### A17 Yellow Clad

- 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



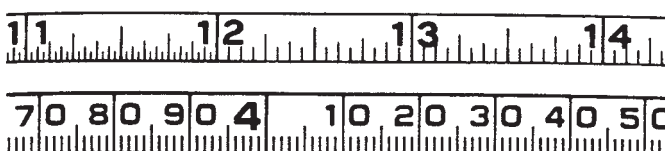
### A18 Yellow Clad

- 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

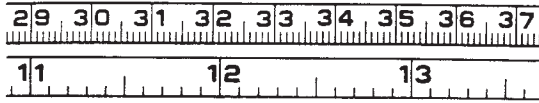


### A19 Yellow Clad

- 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

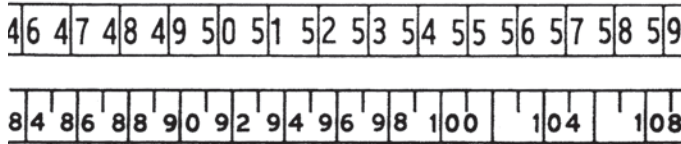


## A20 Yellow Clad



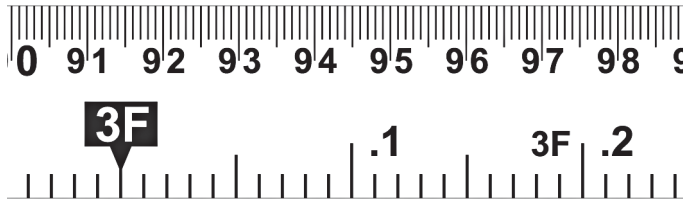
- 6mm width only
- Markings both sides
- Consecutive centimeters to millimeters on side 1
- Diameter to millimeters side 2, numbered in centimeters

## A21 Yellow Clad



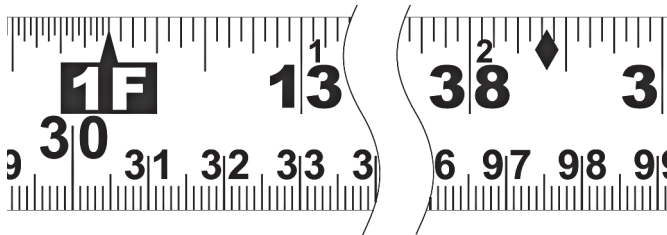
- 1/4" width only
- Black markings both sides
- One side marked 1/4th scale (1 to 240), other side has 1/8th scale (1 - 480)

## A29 Yellow Clad



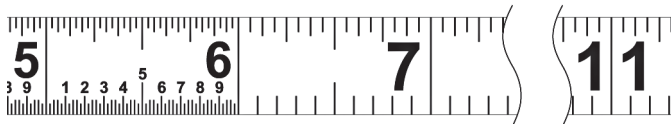
- 3/4"/19mm and 1"/25mm widths
- Black and red markings one side only
- Graduated millimeters on top edge and feet
- 1/10ths and 1/100ths on bottom edge

## A30 Yellow Clad



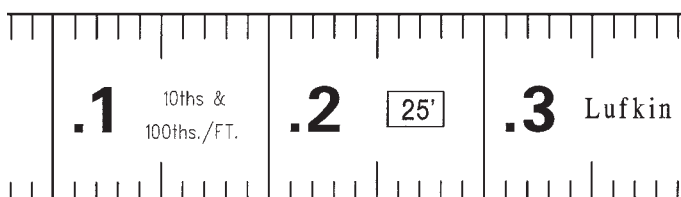
- 1"/25mm width only
- Markings one side only
- English top edge to 1/16ths, first 12" to 1/32nds, (continuous inches plus consecutive inch marks within each foot from 1' mark). Truss marks every 19.2"
- Metric bottom edge graduated to millimeters, numbered consecutive centimeters

## 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

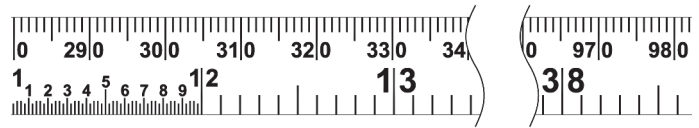
## A35 Yellow Clad



- 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

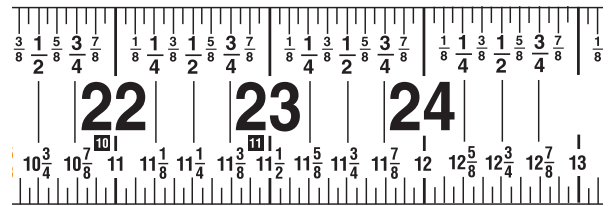
## A36 Yellow Clad

- 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



## 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



## Long Tapes

Lufkin® tapes and rules are manufactured to comply with U.S. Government Specifications Board's requirements for accuracy. Our bench mark standards are certified by the N.I.S.T. Standard temperature for steel tapes is 68°F (20°C); coefficient of expansion for steel tapes is 0.00000645' per degree Fahrenheit/0.0000116' per degree Celsius. Standard tension for most long steel tapes, when fully supported throughout their entire length, is 10 lbs. Surveyor's tapes of heavy gauge steel when fully supported throughout their entire length is 10 lbs. up to 100', and 20 lbs. over 100' long. All Lufkin® steel tapes have a clear abrasive resistant protection to provide wear and corrosion resistance.

### Long tapes

#### Prefixes

C-	Chrome Clad®
W or Y-	Yellow Clad
H-	Hook ring at zero
R-	Replacement blade
CD-	Chrome clad derrick
CN	Chrome Clad® and Nubian®
O-	Replacement blade
R-	Replacement blade

### Suffixes

M-	Metric graduations
MM-	Metric graduations / millimeter numbering
MME-	Metric / English graduations
ME-	Metric / English graduations
D-	Feet / decimal feet graduations
DM-	Feet / decimal feet / Metric graduations
B-	Feet / decimal feet with add-on leader
C-	Consecutive inches to 1/16ths
CM-	Metric graduations / centimeter numbering
CME-	Metric / English graduations
CX-	Consecutive inches to 1/10ths of inches

### B5 Chrome Clad® and Yellow Clad

- 3/8" width only
- Chrome Clad® and yellow clad blade
- Black markings one side only
- Graduations feet to 1/10ths and 1/100ths



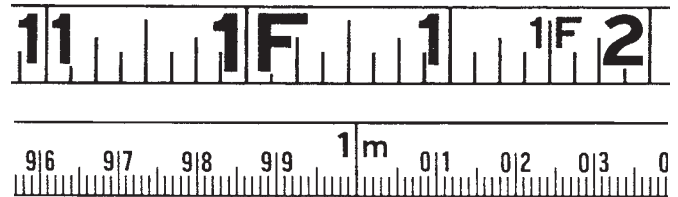
### B7 Chrome Clad® and Nickel Clad

- 3/8" width only
- Chrome Clad®, nickel clad and yellow clad blade
- Black markings one side only
- Graduated feet and inches to 1/8ths with instantaneous readings; 16" centers indicated by diamond



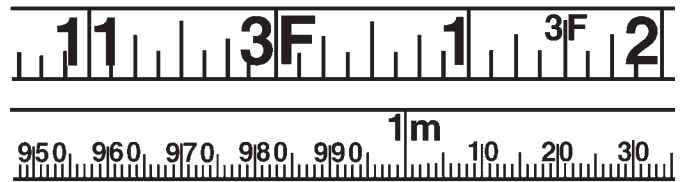
### B8 Yellow Clad

- 3/8" width only
- Yellow clad blade
- Black and red markings both sides
- Bottom side graduated millimeters, numbered in centimeters and meters
- Top side graduated feet and inches to 1/8ths with instantaneous readings; 16" centers indicated by a diamond



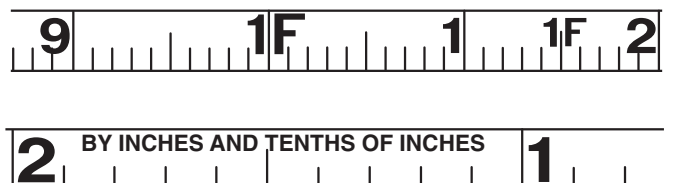
### B9 Yellow Clad

- 3/8"/10mm width only
- Yellow clad blade
- Black and red markings both sides
- One side graduated feet and inches to 1/8ths with instantaneous readings; other side graduated in consecutive millimeters with instantaneous meter numbers at every 100mm



### B10 Nubian® and Chrome Clad®

- 3/8" width only
- Nubian® and Chrome Clad® blade
- Markings both sides
- One side graduated 1/10ths and 1/100ths of feet; other side diameter feet and 1/10ths of inches



### B11 Nubian®



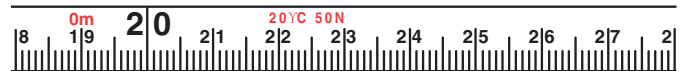
- 3/8" width only
- Nubian® blade
- Markings both sides
- Graduated feet, inches and 1/8ths one side; other side graduated diameter feet and inches with an extra diameter inch subdivided to 64ths left hand

### B12 Nubian®



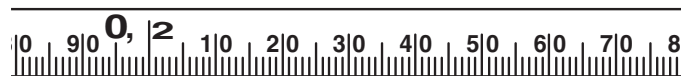
- 3/8" width only
- Nubian® blade
- Markings both sides
- Graduated consecutive inches to 1/16ths one side; other side to diameter inches, with an extra diameter inch subdivided to 64ths left hand

### B14 Yellow Clad and Chrome Clad®



- 3/8" width
- Yellow clad and Chrome Clad® blade
- Black and red markings both sides
- Front side graduated in feet and inches to 1/8ths; back side in meters and millimeters numbered in centimeters

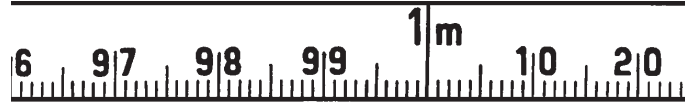
### B15 Chrome Clad®



- 10mm width
- 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

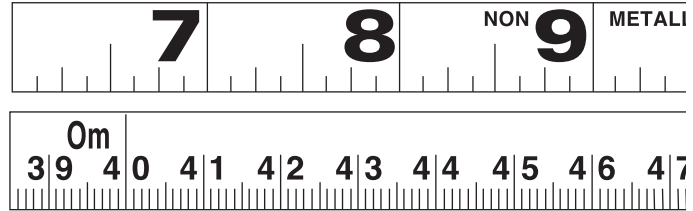
- 13mm width only
- Yellow clad blade
- Black and red markings one side only
- Graduated millimeters, numbered at each centimeter with red instantaneous meter number

### C3 Yellow Clad



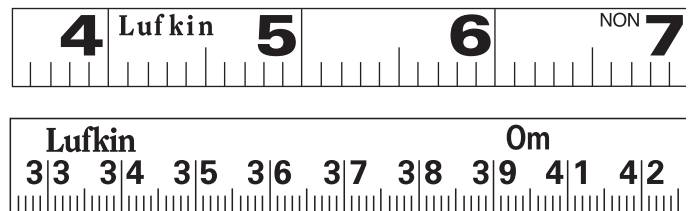
- 1/2"/13mm width only
- Yellow clad blade
- Black and red markings on both sides
- Two-sided tapeline; top side in feet, inches, and 1/8ths, numbered at each foot with red instantaneous foot numbers; bottom side graduated in millimeters, numbered centimeters with red instantaneous meter number

### C4 Yellow Clad



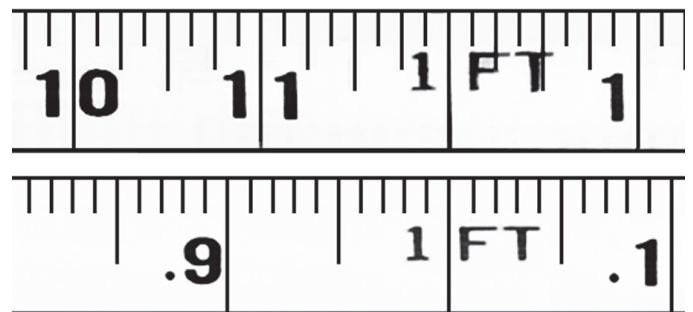
- 1/2"/13mm width only
- Yellow clad blade
- Black and red markings on both sides
- Two-sided tapeline; bottom side in metric, graduated in millimeters, numbered in centimeters, with red instantaneous meter number; top side graduated feet to 1/10ths and 1/100ths, numbered with feet in red and 10ths of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

### C7 Yellow Clad



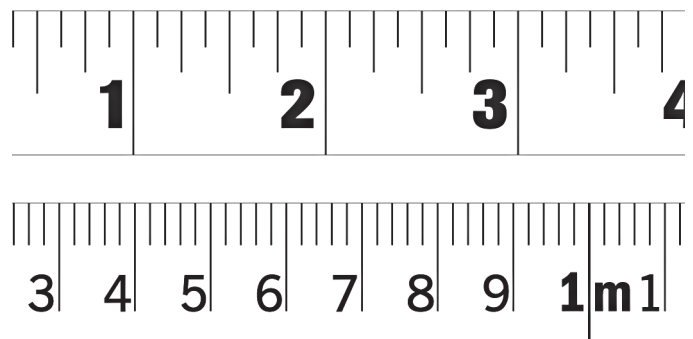
- 3/4" width only
- White on top, yellow on bottom
- Black and red markings both sides
- Two-sided tapeline; top side feet and inches, graduated to 8ths; bottom decimal feet

### C11 Yellow Clad and White Clad



- 3/4" width only
- White on top, yellow on bottom
- Black and red markings both sides
- Two-sided tapeline; top side graduated in millimeters, numbered centimeters with meters, bottom in feet and inches

### C12 Yellow Clad and White Clad



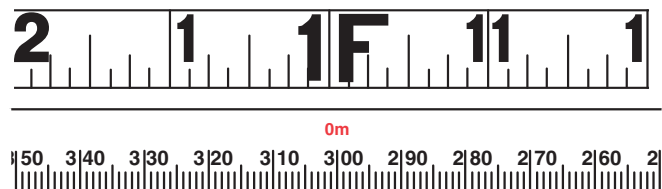


## D5 Nubian®



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

## D6 Chrome Clad®



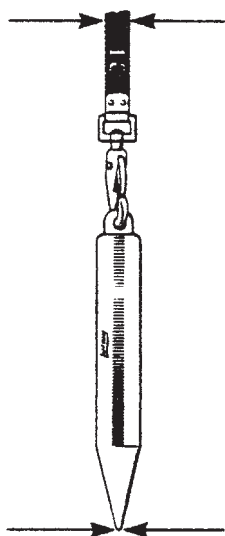
- 1/2"/13mm width
- Chrome Clad® blade
- Black and red markings on metric side
- Metric - graduated meters to millimeters; numbered right to left in meters and millimeters
- English side - graduated feet and inches to 1/8ths; numbered right to left

## D7 Nubian®



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

## Oil Gauging



It takes more than a quality gauging tape, it takes a smart user. Every time you use a Lufkin oil gauging tape, follow proper grounding techniques. Ground your body. Ground your gear. And always use a grounding strap. Lufkin oil gauging tapes come complete with a grounding strap and an ESD handle, and are in full compliance with all current and proposed American Petroleum Institute standards. Achieve a solid ground every time. Use Lufkin oil gauging tapes, and follow proper grounding procedures.

### How to Measure an Inage Plumb Bob

Tapes cut and fitted with the swivel snap to be used with the 588 and 590 plumb-bobs are known as inage gauging tapes. When the plumb bobs are assembled to the swivel snap the zero point is at the bottom of the plumb bob. When being used, the plumb bob and tape are lowered until the bob contacts the bottom of the tank. When the tape is reeled in, the liquid line is read on the tape line itself, thereby showing you the contents of the tank.

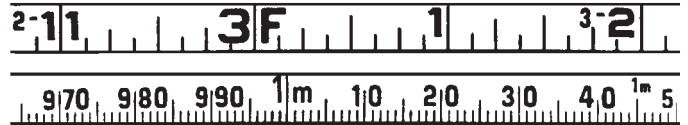
### E1 Chrome-Clad® and Yellow Clad

- 1/4" and 3/8" widths
- Chrome Clad® 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® and 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® 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



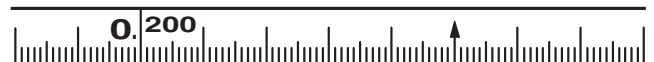
### E5 Ny-Clad® Yellow

- 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



### 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®

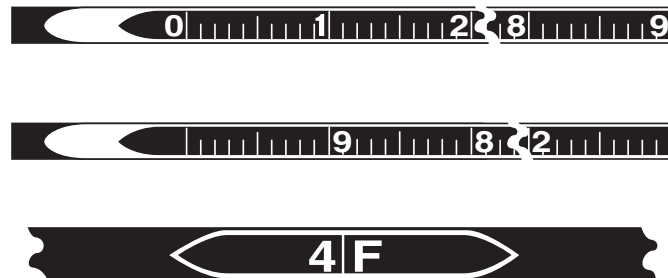


- 1/4" width
- Black and red markings both sides
- Graduated meters to millimeters one side
- Red meter numbers and black millimeter numbers at each decimeter
- Graduated feet and inches to 1/8ths other side with red feet numbers and black inch numbers

## Engineering and Surveying Tapes

- Ideal for engineers and surveyors to precisely measure route surveys, highways and railways, mining and survey work
- Heavy gauge thick steel tape
- Raised markings against a hard chrome or black background
- Protected by abrasion resistant coating to provide long life under adverse conditions
- Heavy gauge clip ends on each tape and refill attach to reel or tensioning device
- Tapes include two leather thongs and a correction scale (Celsius for Metric tapes, Fahrenheit for English tapes)
- Different reel choices available for each style of tape
- Reel descriptions on pages 97 - 98
- Please order reels separately

### Super Hi-Way® Nubian®



- Nominal thickness .017"
- Easy-to-read raised graduations
- Railroad half-gauge mark 2', 4 1/2" from zero except on metric tapes
- 09100B, 09200B and 09300B: Lines have a blank space at each end. Extra foot before zero is graduated right to left to 1/10ths and 1/100ths. Balance is marked every foot except last foot of each 100' length, which is in 100ths of feet

Cat. No.	UPC No.	Packed	Blade Size		Line wt.		Shelf Pack	Reqd. Reel	UPC No.
			Width	Length	lbkg	kg			
09100B	037103455437	Boxed	5/16"	100'	2.27	1.02	1	31100	037103450517
09200B	037103455468	Boxed	5/16"	200'	3.93	1.78	1	31200	037103450531
09300B	037103455598	Boxed	5/16"	300'	5.8	2.63	1	31300	037103450548