



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

Outside Diameter

63 | Pi Tape / Diameter tape / Circumference Gauge 0.1 mm least count

Diameter	D %	C	20-300	300-700	700-1100	1100-1500	1500-1900	1900-2300	2300-2700	2700-3100
Circumfer			60-950	940-2200	2190-3460	3450-4720	4710-5980	5970-7230	7220-8490	8480-9740
Kristeel Rs.	30	N	1400	1700	2600	4000	6000	8580	12000	18000
Code no. (1515)			A	B	C	D	E	F	G	H
Catalog			Page - 3	Page - 4	Page - 4	Page - 4	Page - 4	Page - 4	Page - 4	Page - 4
Insize Rs.		N	786	972	1322					
Code no.			7114-950	7114-2200	7114-3460					
Catalog			Page - 6	Page - 6	Page - 6					
M & W Rs.		N	1000	1200	1800					
Code			CT 300	CT 700	CT 1100					
Catalog			Page - 5	Page - 5	Page - 5					

63 - 1 | Pi Tape / Diameter tape / Circumference Gauge - Blazer 0.1 mm least count

Diameter	C	20 - 300	20 - 700	20 - 1200	20 - 2400	20 - 3600
Rs.	N	4250	5500	8500	19000	32500

63 - 2 | Pi Tape / Diameter tape / Circumference gauge - Make PI- Tape - Made in USA 0.01 mm Lc

Diameter	Cert	15 - 50	28 - 300	300 - 600	600 - 900	900 - 1200
Rs.	Y	13550	12000	On Request	On Request	On Request
Calibration		1000	1200	1400	1600	1600
Catalog		Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12
Diameter	Cert	1200 - 1500	1500 - 1800	1800 - 2100	2100 - 2400	2400 - 2700
Rs.	Y	On Request	On Request	On Request	On Request	On Request
Calibration		1800	1800	2000	2000	2200
Catalog		Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12

Inside Diameter

63 - 3 | Pi Tape / Diameter tape / Circumference gauge - Make PI Tape - Made in USA 0.01 mm Lc

Diameter	Cert	300 - 600	600 - 900	900 - 1200	600 - 1200	1200 - 1500
Rs.	Y	On Request	On Request	On Request	On Request	On Request
Calibration		1200	1600	1600	1800	1800
Catalog		Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12	Page No - 7 to 12

*** W - Warranty , C - Certificate , D- Discount

Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

KRISTEEL MAKE

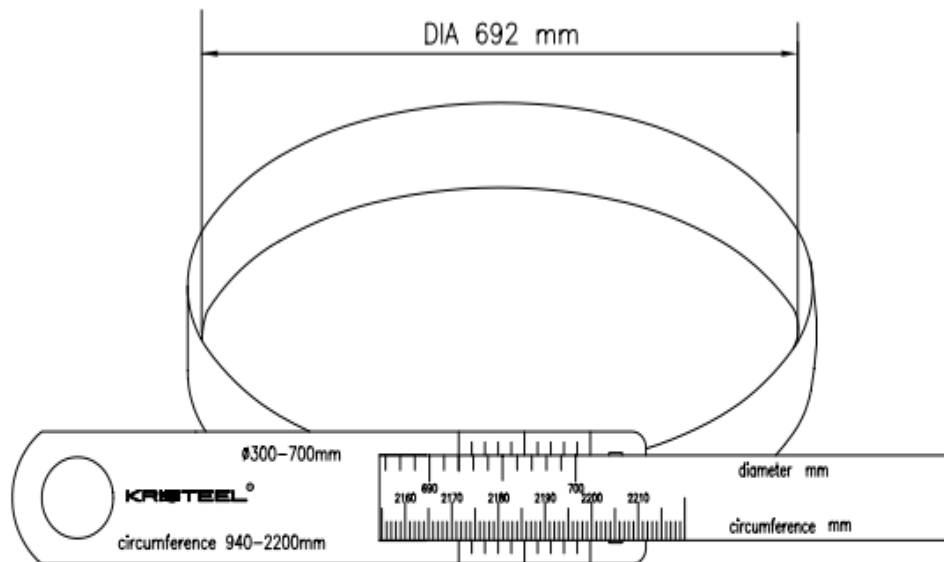
CIRCUMFERENCE GAUGES



Circumference Gauges

Suitable for measuring circumference and diameters of all round bodies. Graduation in mm, Reading ± 0.1 mm

	A	B	C	D	E	F	G	H
Circumference mm	60-950	940-2200	2190-3460	3450-4720	4710-5980	5970-7230	7220-8490	8480-9740
Diameter mm	20-300	300-700	700-1100	1100-1500	1500-1900	1900-2300	2300-2700	2700-3100



MATERIAL :- Stainless Steel

LEASTCOUNT :- 0.1 mm.

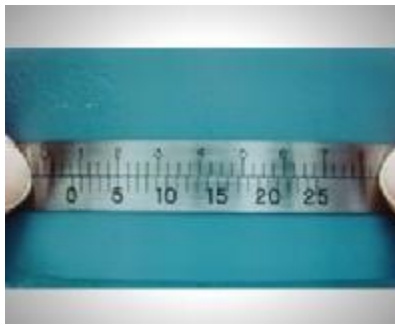
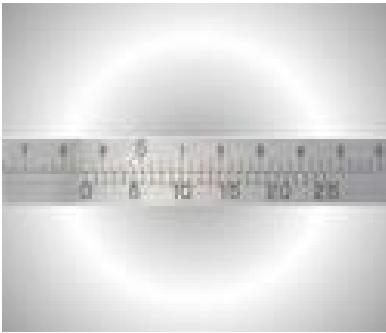
FINISH :- POLISHED

USES :- To check the Diameter and Circumference of Pipes , wooden blocks , big size Tanks
Gauge made of stainless steel by permanent Etching graduations and riveted with buckle/vernier scale
Usefull in Woodworking industry , Pipe manufacturer , Heavy fabricator , Round tanks etc.
Gauge is packed inpp bag + paper box Qty- 1 No.

AVAILABLE MODELS :-

A) 60 - 950 mm	D) 3450 - 4720 mm.
B) 940 - 2200 mm.	E) 4710 - 5980 mm.
C) 2190 - 3460 mm.	F) 5970 - 7230 mm.

Kristeel make – least count – 0.1 mm



Pi make – least count 0.01 mm



MGW MAKE



Circumference Tape

CODE	DIA RANGE	PRICE
CT 300	20 - 300 mm	1,000/-
CT 700	300 - 700 mm	1,200/-
CT 1100	700 - 1100 mm	1,800/-

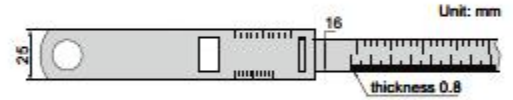
INSIZE MAKE

CIRCUMFERENCE TAPE



7114-950

ATTENTION:
BASIC MODEL



Code	Circumference range	Diameter range	Accuracy	
			Circumference	Diameter
7114-950	60-950mm	Ø20-300mm	±1.5mm	±0.5mm
7114-2200	940-2200mm	Ø300-700mm	±1.5mm	±0.5mm
7114-3460	2190-3460mm	Ø700-1100mm	±1.5mm	±0.5mm

- Graduation: 0.1mm
- Measure diameter and circumference of pipes, trees, tires, etc.
- Laser engraved scale
- Made of stainless steel

TO READ OUTSIDE DIAMETER INCH TAPES



Make certain the tape is free of damage and the tape and object to be measured are both clean.

Each line on the gauge member represents .025", while each line on the vernier represents .001".

Wrap the tape around the object to be measured. The vernier scale should be just below the gauge scale. Tighten the tape around the object with 5 pounds tension for O.D. tapes (For I.D. tapes, use 0 pounds tension).

Locate the "zero" on the vernier scale and note the highest value achieved on the gauge scale above it (the highest value to the left of the zero). In this example, that value is 5.075".

Next, observe the vernier scale's value at the point where it lines up exactly with a marked division line on the gauge scale. In this example, that value is 6 (.006").

Finally, to obtain the diameter of the object, simply add the two values together:
 $5.075" + .006" = 5.081"$

When reading the O.D. tape, make certain to apply a snug pull of 5 pounds tension, first making sure the tape and part have been properly cleaned.

When using a standard O.D. tape on an I.D. surface, add double the tape thickness to the reading to arrive at the I.D. of the part. It is suggested that direct I.D. tapes be used for inside diameter readings.

As a suggestion for checking very large diameters – pieces of masking tape can be used to hold the tape in the proper parallel position.

Pi Tape® Gauges are guaranteed +/- .001" accuracy on standard tapes up to 144".

Care

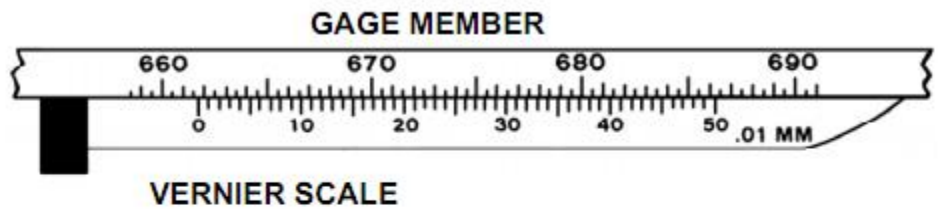
When not in use, wipe clean and apply a light rust preventive oil. Store in tape container.

No periodic adjustments are needed.

Make sure the tape has not been stepped on or kinked, which may destroy the accuracy.



TO READ OUTSIDE DIAMETER METRIC TAPES



Make certain the tape is free of damage and the tape and object to be measured are both clean.

Each line on the gage scale of the tape represents .5mm of diameter, while each line on the vernier represents .01mm.

Wrap the tape around the object to be measured. The vernier scale should be just below the gage scale. Tighten the tape around the object with 2.25 Kg tension for O.D. tapes (For I.D. tapes, use 0 Kg tension).

Locate the "zero" on the vernier scale and note the highest value achieved on the gage scale above it (the highest value to the left of the zero). In this example, that value is 661.5mm.

Next, observe the vernier scale's value at the point where it lines up exactly with a marked division line on the gage scale. In this example, that value is 23 (0.23mm).

Finally, to obtain the diameter of the object, simply add the two values together:
 $661.5\text{mm} + 0.23\text{mm} = 661.73\text{mm}$

When reading the O.D. tape, make certain to apply a snug pull of 2.25 Kg. tension, first making sure the tape and part have been properly cleaned.

When using a standard O.D. tape on an I.D. surface, add double the tape thickness to the reading to arrive at the I.D. of the part. It is suggested that direct I.D. tapes be used for inside diameter readings.

As a suggestion for checking very large diameters – pieces of masking tape can be used to hold the tape in the proper parallel position.

Pi Tape® Gages are guaranteed +/- .03mm accuracy on standard tapes up to 3600 mm.

Care

When not in use, wipe clean and apply a light rust preventive oil. Store in tape container.

No periodic adjustments are needed.

Make sure the tape has not been stepped on or kinked, which may destroy the accuracy.

TO READ INSIDE DIAMETER INCH TAPES



Make certain the tape is free of damage and the tape and object to be measured are both clean.

Each line on the gage member represents .025", while each line on the vernier represents .001".

Place the tape inside the object to be measured. The vernier scale should be just below the gage scale. Make certain the tape is aligned on the inside diameter flat and snug to the part, straight and parallel so the gage member is flat against the vernier scale.

Locate the "zero" on the vernier scale and note the highest value achieved on the gage scale above it (the highest value to the left of the zero). In this example, that value is 5.075".

Next, observe the vernier scale's value at the point where it lines up exactly with a marked division line on the gage scale. In this example, that value is 6 (.006").

Finally, to obtain the diameter of the object, simply add the two values together:
 $5.075" + .006" = 5.081"$

Inside diameter tapes are manufactured at 68°F under no tension. All inside diameter tapes are marked I.D. and are calibrated for direct inside diameter readings.

As a suggestion for checking very large diameters – pieces of masking tape can be used to hold the tape in the proper parallel position.

Pi Tape® Gages are guaranteed +/- .001" accuracy on standard tapes up to 144".

Care

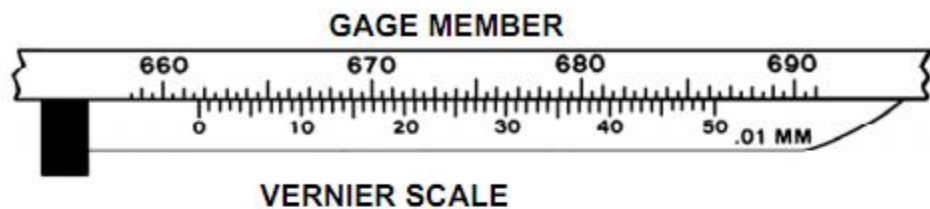
When not in use, wipe clean and apply a light rust preventive oil. Store in tape container.

No periodic adjustments are needed.

Make sure the tape has not been stepped on or kinked, which may destroy the accuracy.



TO READ INSIDE DIAMETER METRIC TAPES



Make certain the tape is free of damage and the tape and object to be measured are both clean.

Each line on the gage scale of the tape represents .5mm of diameter, while each line on the vernier represents .01mm.

Place the tape inside the object to be measured. The vernier scale should be just below the gage scale. Make certain the tape is aligned on the inside diameter flat and snug to the part, straight and parallel so the gage member is flat against the vernier scale.

Locate the "zero" on the vernier scale and note the highest value achieved on the gage scale above it (the highest value to the left of the zero). In this example, that value is 661.5mm.

Next, observe the vernier scale's value at the point where it lines up exactly with a marked division line on the gage scale. In this example, that value is 23 (0.23mm).

Finally, to obtain the diameter of the object, simply add the two values together:
 $661.5\text{mm} + 0.23\text{mm} = 661.73\text{mm}$

Inside diameter tapes are manufactured at 68°F under no tension. All inside diameter tapes are marked I.D. and are calibrated for direct inside diameter readings.

As a suggestion for checking very large diameters – pieces of masking tape can be used to hold the tape in the proper parallel position.

Pi Tape® Gages are guaranteed +/- .03mm accuracy on standard tapes up to 3600 mm.

Care

When not in use, wipe clean and apply a light rust preventive oil. Store in tape container.

No periodic adjustments are needed.

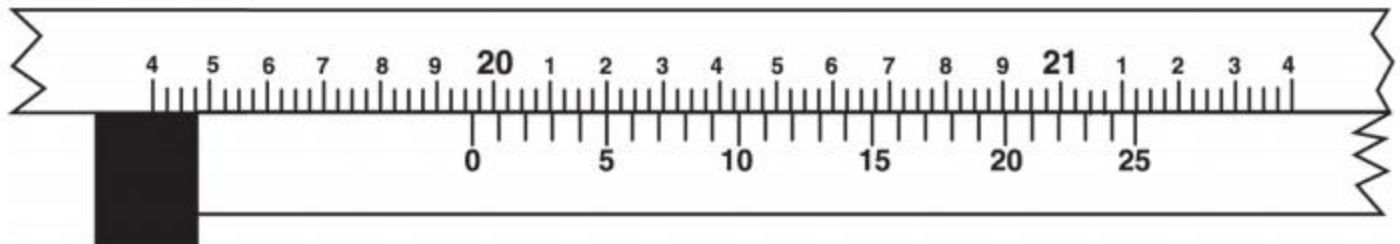
Make sure the tape has not been stepped on or kinked, which may destroy the accuracy.



PI TAPE CORPORATION

TO READ OUTSIDE CIRCUMFERENCE INCH TAPES

GAGE MEMBER



VERNIER SCALE

Each line on the gage member represents .025", while each line on the Vernier scale represents .001". When using the Outside Circumference tape, apply a snug pull of 5 pounds tension, first making certain the tape and part have been cleaned.

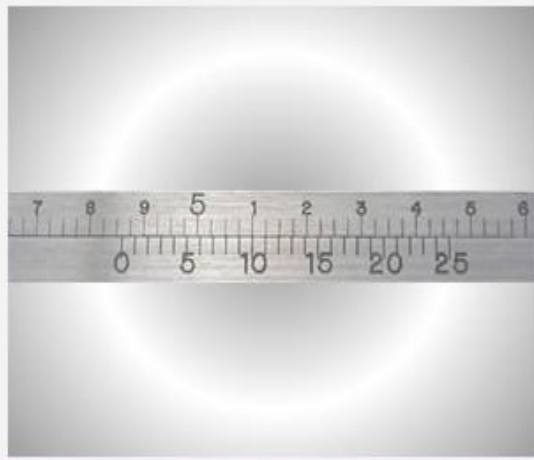
In the illustration, the divisions to the left of the Vernier zero are 19.900 inches plus 2 divisions or 19.950. The 5th line on the Vernier coincides with the line on the Linear Tape which represents .005". This is added to the 19.950, making a total circumference reading of 19.955 inches.

As a suggestion for checking very large parts – pieces of masking tape can be used to hold the tape in proper parallel position. In many applications, magnets can also be used.

Pi Tape® circumference tapes have a .001" resolution with a guaranteed accuracy of .005" up to 120".

Care

- When not in use, wipe clean and apply a light rust preventative oil. Store tape in container.
- No periodic adjustments are needed.
- Make certain the tapes have not been stepped on or kinked which may destroy the accuracy.



1095 Spring Steel

Pi Tape Corporation's 1095 spring steel diameter measuring tapes are delivered with a Calibration Report traceable to the National Institute of Standards and Technology.

Our Spring Steel tapes are suitable for use with all materials and in non-corrosive environments.

Larger sizes available upon request.

Part #	Diameter	Gage	Thickness	Body Width
P000	0.5" - 2"	0.25"	0.007"	0.5"
P01	0.75" - 7"	0.25"	0.007"	0.5"
P02	0.75" - 9"	0.25"	0.007"	0.5"
P1	2" - 12"	0.25"	0.01"	0.5"
P1SP	2" - 24"	0.25"	0.01"	0.5"
P2	12" - 24"	0.25"	0.01"	0.5"
P2SP	12" - 36"	0.25"	0.01"	0.5"
P3	24" - 36"	0.25"	0.01"	0.5"
P3SP	24" - 48"	0.25"	0.01"	0.5"
P4	36" - 48"	0.25"	0.01"	0.5"
P5	48" - 60"	0.25"	0.01"	0.5"
P6	60" - 72"	0.25"	0.01"	0.5"
P7	72" - 84"	0.25"	0.01"	0.5"
P8	84" - 96"	0.25"	0.01"	0.5"
P9	96" - 108"	0.25"	0.01"	0.5"
P10	108" - 120"	0.25"	0.01"	0.5"
P11	120" - 132"	0.25"	0.01"	0.5"
P12	132" - 144"	0.25"	0.01"	0.5"
PM000	15mm - 50mm	6.35mm	0.18mm	12.7mm
PM0	28mm - 200mm	6.35mm	0.18mm	12.7mm
PM02	28mm - 300mm	6.35mm	0.18mm	12.7mm
PM03	50mm - 300mm	6.35mm	0.25mm	12.7mm
PM1	100mm - 300mm	6.35mm	0.25mm	12.7mm
PM1SP	50mm - 600mm	6.35mm	0.25mm	12.7mm
PM2	300mm - 600mm	6.35mm	0.25mm	12.7mm
PM2SP	300mm - 900mm	6.35mm	0.25mm	12.7mm
PM3	600mm - 900mm	6.35mm	0.25mm	12.7mm
PM3SP	600mm - 1200mm	6.35mm	0.25mm	12.7mm
PM4	900mm - 1200mm	6.35mm	0.25mm	12.7mm
PM5	1200mm - 1500mm	6.35mm	0.25mm	12.7mm
PM6	1500mm - 1800mm	6.35mm	0.25mm	12.7mm
PM7	1800mm - 2100mm	6.35mm	0.25mm	12.7mm
PM8	2100mm - 2400mm	6.35mm	0.25mm	12.7mm
PM9	2400mm - 2700mm	6.35mm	0.25mm	12.7mm
PM10	2700mm - 3000mm	6.35mm	0.25mm	12.7mm
PM11	3000mm - 3300mm	6.35mm	0.25mm	12.7mm
PM12	3300mm - 3600mm	6.35mm	0.25mm	12.7mm

Company Profile

M.S.Technology started manufacturing of PLASTICS PI-TAPE BRAND: "UTTAM PI-TAPE" since last 12 years measuring diameter/Circumferences of pipes, Tubes, circle and cylindrical types of product. We started from the beginning since 2000, and aimed for producing highest quality of PI-TAPE and supply all over Global.

In 1995-2001 we faced lot of difficulties by using Steel PI-Tapes such as rusting of Tape due to water erasing of marking line after 1 year, hence to overcome above problems we developed Plastics tape with ink printing. My clients used plastic Tapes from more than 10 years, without any complaints.

Manufacturing Facility

We have complete Manufacturing & Testing Facility as per requirement.

Research and Development:

We have Technical person to carry out various Testing and Research facility available in house.

Design:

We have in house design facility for designing various products.

Calibration:

We have in house Testing and calibration Facility, to meet the costumers' requirement. Also we have after sales service facility.

Strength: How Our PI-Tapes are scores more advantages over other PI-Tapes (Steel)

- | | |
|-------------------|-------------------------------------|
| 1) Low cost | 6) Stock Proof |
| 2) Durable | 7) Transparent to see lower surface |
| 3) Flexible | 8) Un breakable. |
| 4) Noncorrosive | 9) Light weight |
| 5) Clear printing | 10) Full Guarantee of one year |

Product

Product Specification-PI-TAPE

Serial No.	Model No.	Measuring Diameter (mm)	Least count (mm)	Total Length (mm)	Width (mm)	Thickness (mm)	Out side Angle°	In side Angle°
1.	UP-12-40	12-40	0.05	295	10	0.225	160	30
2.	UV-40-140	40-140	0.05	675	10	0.225	168	12
3.	UV-75-230	75-230	0.02	958	13	0.225	166	14
4.	UV-75-315	75-315	0.01/0.02	1225	13	0.225	166	14
5.	UV-225-475	225-475	0.01/0.02	1728	13	0.225	166	14
6.	UV-475-725	475-725	0.01/0.02	2514	13	0.225	166	14
7.	UV-725-975	725-925	0.01/0.02	3300	13	0.225	166	14
8.	UV-975-1125	975-1125	0.01/0.02	3770	13	0.225	166	14

- Model: ALL MODEL ARE AVAILABLE IN STOCK.

General Advantages

The **UTTAM PI-TAPES** are designed Engineering plastics to determine the out side **DIAMETER/CIRCUMFERENCE** of any tapes of pipes, Like PVC PIPES, SWR PIPES, CASING PIPES, HOPE PIPES, PP PIPES, FRP PIPES, LLOPE PIPES, HOSE PIPES, RCC PIPES, STEEL PIPES, CYLINDER, CIRCLE and SEMICIRCLE.

These tapes have been designed to keep in mind to check the diameter by circumference Measurement method and it has the following advantages over metal (steel) tapes.

OUR PI TAPES ARE MORE FEATURES OVER STEEL TAPES :

Sr. No.	Silent Future	Uttam PI-Tapes (Plastics)	Steel Tapes	Sr. No.	Silent Future	Uttam PI-Tapes (Plastics)	Steel Tapes
1.	Low cost	Yes	No	7.	Unbreakable	Yes	No
2.	Durability	Yes	No	8.	Shock proof	Yes	No
3.	Flexible	Yes	No	9.	Full guarantee for one year for printing	Yes	No
4.	Non corrosive	Yes	No	10.	ISO:9001:2008 certified company	Yes	-
5.	Clear printing	Yes	No	11.	Calibration facility Available	Yes	-
6.	Transparent to see the lower surface	Yes	No	12.	Ready in stock at 24 x 7 days	Yes	-

Instruction

INSTRUCTION SHEET FOR (75-230 mm & 75-315mm Tape) UTTAM PI-TAPE (METRIC)

Important Note:

- When reading the tape apply a force of 2.25Kg tension, first making sure the tape and part have been properly cleaned.
- Make sure the tape has not been stepped on or kinked, which destroys the accuracy.



(EXAMPLE)

To Read (follow the steps)

- 1) Main scale has a least count 1mm (Distance between two big lines of main scale)
- 2) Vernier scale has a least count 0.02mm (Distance between two lower lines)
- 3) Each line on the main scale of the tape shows 1mm diameter, while each line on the Vernier represent 0.02 mm.
- 4) The zero on vernier is passed the 140 line on main scale.
- 5) Now find the line on vernier which corresponds (match) exactly with the above line.
- 6) The above sample shows it to be the 15th line which equals $(15 \times 0.02 = 0.3\text{mm})$ this added to the 140 reading gives on outside diameter of 140.3mm.
- 7) Tapes are guaranteed 0.02mm accuracy on diameter. No periodic adjustment are needed.

Product Photograph and Drawing



ISO 9001:2008 COMPANY



M. S. TECHNOLOGY



Instruction

INSTRUCTION SHEET FOR (40-140 mm PI-tape) UTTAM PI-TAPE (metric)

Important Note:

- When reading the tape apply a force of 2.25Kg tension, first making sure the tape and part have been properly cleaned.
- Make sure the tape has not been stepped on or kinked, which destroys the accuracy.



(EXAMPLE)

To Read (follow the steps)

- 1) Main scale has a least count 1mm (Distance between two big lines of main scale)
- 2) Vernier scale has a least count 0.05mm (Distance between two lower lines)
- 3) Each line on the main scale of the tape shows 1mm diameter, while each line on the Vernier represent 0.05 mm.
- 4) The zero on vernier is passed the 40 line on main scale.
- 5) Now find the line on vernier which corresponds (match) exactly with the above line.
- 6) The above sample shows it to be the 7th line which equals $(7 \times 0.05 = 0.35\text{mm})$ this added to the 40 reading gives on outside diameter of 40.35mm.
- 7) Tapes are guaranteed 0.05mm accuracy on diameter. No periodic adjustment are needed.

Product Photograph and Drawing



Sub:- "INTRODUCTION LETTER FOR Pi-TAPES"

Dear Sir,

We introduced our self, that we are the manufacturer of PLASTICS Pi-Tapes, Brand "UTTAM Pi-Tapes" since last 12 years for measuring Diameter/circumferences of pipes, Tubes, circle and cylindrical types of products.

Use of Product-

To check the diameter of PVC pipes/HDPE pipes/SWR pipes/Casing pipes/Sprinkler pipes/LLDPE pipes/Sewerage pipes/Conduits pipes/RCC pipes/steel pipes/cylinder pipes/Circle and Semi circle.

Range of Products-

Product and Range	Cost/Piece
1) 12 mm to 40 mm, L.C. 0.05mm	Rs. 1227/- (With calibration certificate)
✓ 2) 40 mm to 140 mm, L.C. 0.05mm	Rs. 1727/- (With calibration certificate)
✓ 3) 75 mm to 230 mm, L.C. 0.02mm	Rs. 2727/- (With calibration certificate)
4) 75 mm to 315 mm, L.C. 0.02mm	Rs. 3727/- (With calibration certificate)
5) 40 mm to 300 mm, L.C. 0.01mm	Rs. 4727/- (With calibration certificate)
6) 300 mm to 600 mm, L.C. 0.01mm	Rs. 5727/- (With calibration certificate)



ONLY CALIBRATION-

1) 12 mm to 40 mm, L.C. 0.05mm	Rs. 250/- (Calibration certificate)
2) 40 mm to 140 mm, L.C. 0.05mm	Rs. 300/- (Calibration certificate)
3) 75 mm to 230 mm, L.C. 0.02mm	Rs. 350/- (Calibration certificate)
4) 75 mm to 315 mm, L.C. 0.02mm	Rs. 400/- (Calibration certificate)
5) 40 mm to 300 mm, L.C. 0.01mm	Rs. 450/- (Calibration certificate)
6) 300 mm to 600 mm, L.C. 0.01mm	Rs. 500/- (Calibration certificate)



We are offering you Pi-Tapes of the highest quality at a competitive price and hope you will take the opportunity to try it. We also give One year full guarantee for above product.

Thanking you and assurance you for good quality.