

Rogers Dampening and Ductor Sleeves

Measuring Roller Diameter with Periphery Tape

Description

To ensure best fit for Rogers Dampening Sleeves or Ductor Sleeves, use periphery tape to measure roller diameter. Periphery tape, accurate to one thousandth of an inch (0.001), is a measuring tool which directly converts circumference measurements to diameter. Periphery tape is available with increments in inches or millimeters. The periphery tape described and illustrated here is in inch increments.

Periphery tape consists of two parts, tape body and vernier scale. Increments on the tape body represent inches, smaller numbers represent tenths of an inch, (0.01) and the four smaller spaces within each tenth of an inch represent twenty five thousandths of an inch (0.025).

The vernier scale represents thousandths of an inch (0.001). Use a 3/8 inch wide and 1 - 7 inch diameter size tape for dampening and ductor sleeve roller measurement. Collins - Phillips Periphery Tape or equivalent is recommended.

To order in United States contact:
PI Tape Company
344 N. Vinewood Street
Escondido, California 92025-1337
Tel: 760-746-9830

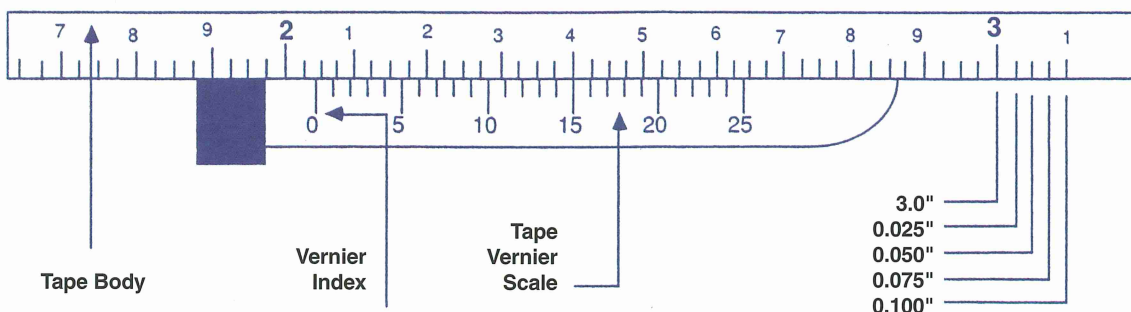
Roller Specifications Unknown Codes

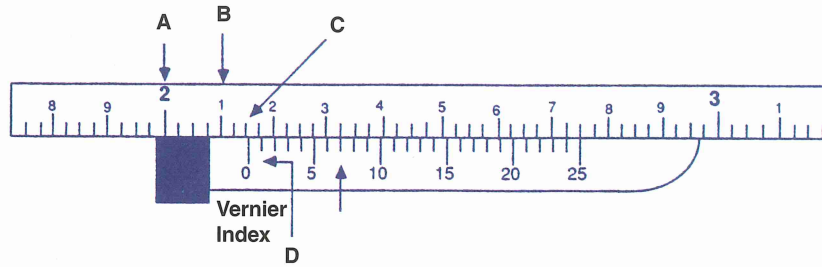
1. Measure the roller diameter with the used previous cover on (or the bareback diameter if the water form had been run bareback). The measurement should be done with a periphery tape which reads diameter, or else the circumference can be measured and divided by 3.14 to give the diameter.
2. Convert from fractional inches to decimal inches.
3. Subtract 0.028" from this covered diameter for the Dampening Sleeve. Subtract 0.040" for the Ductor Sleeve.
4. Select the closest Standard Roller Diameter for the Dampening Sleeve. This should be within 0.062" of the diameter from step 3.
5. Measure the face length of the rubber. This must be less than the maximum sleeve length for that standard diameter.
6. Specify both sleeve code and rubber length on the order.

How to Use

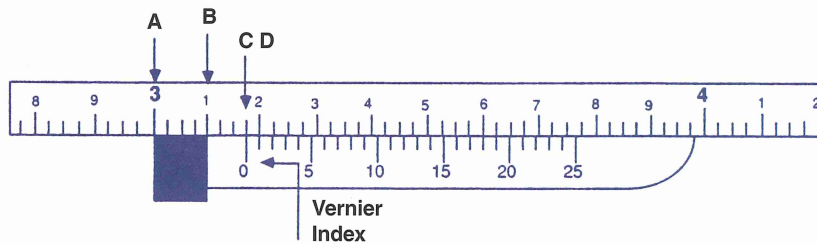
To accurately measure roller diameter:

1. Wrap periphery tape around roller so vernier scale is underbody tape. Be sure tape is snug and square to roller. If tape sticks to roller, apply talcum powder to roller surface.
2. Record diameter reading.
3. Measure roller in three places, middle and ends.

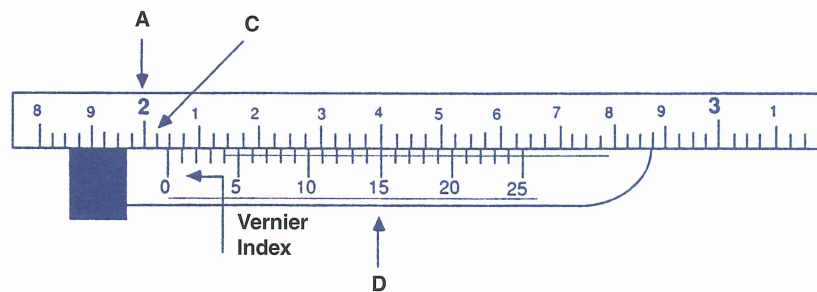




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|--------------|---------------------|---|
| A. | 2.000 inches | First full value to the left of the vernier index |
| B. | 0.100 inch | First tenth division to the left of the index |
| C. | 0.050 inch | Two full 0.025 inch division to the left of the index |
| D. | 0.007 inch | The 0.007 inch division on the vernier scale aligns perfectly with division line on body scale. |
| Total | 2.157 inches | |



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|--------------|---------------------|---|
| A. | 3.000 inches | First full inch value to the left of the vernier index |
| B. | 0.100 inch | First tenth division to the left of the index |
| C. | 0.075 inch | Two full 0.025 inch divisions to the left of the index |
| D. | 0.000 inch | The index zero aligns perfectly with body scale division. |
| Total | 3.175 inches | |



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|--------------|---------------------|---|
| A. | 2.000 inches | First full inch value to the left of the vernier index |
| B. | 0.000 inch | No tenths division to the left of index |
| C. | 0.025 inch | One full 0.025 inch division to the left of index |
| D. | 0.015 inch | The 15 on vernier scale aligns perfectly with division on body scale. |
| Total | 2.040 inches | |