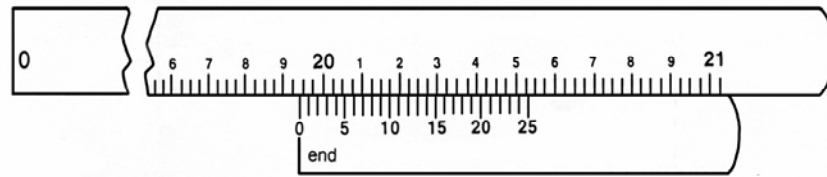




## READING A LINEAR TAPE WITH A VERNIER SCALE

### LINEAR TAPE



### VERNIER SCALE

Place the linear tape on a flat surface. Place the part to be measured directly on top of the linear tape, leaving the portion of the tape with engraved numbers uncovered by the part. Line up the zero portion of the linear tape (left end) exactly at the left end of the part to be measured.

Line up the Vernier scale with the linear tape at the point where the part being measured ends. Use the magnet (or masking tape) to hold the Vernier scale in place. Line up the zero on the Vernier scale exactly at the right end of the part to be measured.

In the illustration, the divisions to the left of the Vernier zero are 19.900 inches plus 1 division or 19.925. The 8<sup>th</sup> line on the Vernier coincides with the line on the Linear Tape. This is added to the 19.925, making a total linear reading of 19.933 inches, which is the true linear measurement.

Pi Tape® linear tapes have a .001" resolution with a guaranteed accuracy of .005" up to 144".

#### Care

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

No periodic adjustments are needed.

Make certain the tapes have not been stepped on or kinked which may destroy the accuracy.