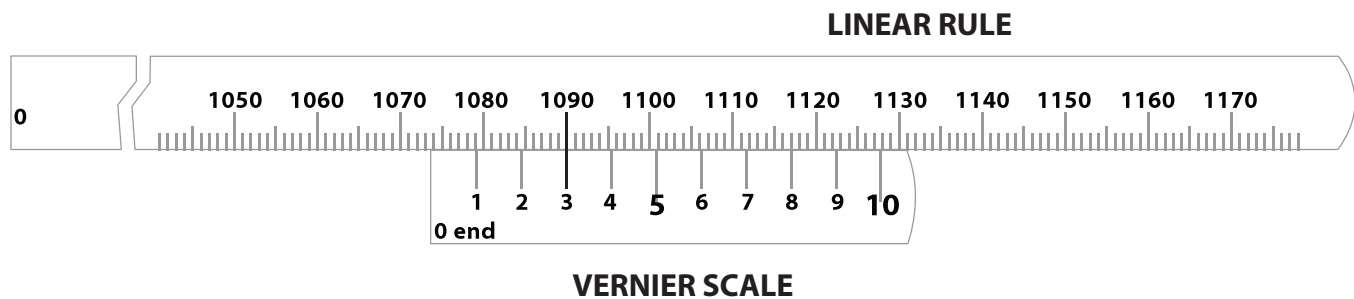




TO READ METRIC LINEAR RULE WITH A VERNIER SCALE



Vernier Scale divides each graduation on Gage Member into 10 parts or .1mm

EXAMPLE

Make certain the linear rule, vernier section and object to be measured are clean.

Each line on the linear rule represents 1mm, while each line on the vernier represents .1mm.

Place the linear rule on a flat surface. Slide the linear rule alongside the part to be measured. Line up the zero end of the linear rule (left end) with the end of the part to be measured. Make certain the left end of the rule and the left end of the part to be measured line up exactly.

Line up the vernier scale portion of the linear rule at the point where the part being measured ends. This will place the zero on the vernier scale exactly at the right end of the part to be measured.

Locate the Zero-edge of Vernier scale and note the highest value achieved on linear rule above it (the highest value to the left of Vernier scale). In this example, the value is 1073mm.

Next, determine which vernier line is aligned exactly with a marked division line on the linear rule. In this example, the value is 3 (.3mm).

Finally, to obtain the linear reading of the object, simply add the two values together:
 $1073\text{mm} + .3\text{mm} = 1074.3\text{mm}$

As a suggestion for checking very large measurements – pieces of masking tape can be used to hold the rule and vernier section in the proper parallel position.

Tape resolution 0.1mm

Care

Tape is delicate, handle with care. Keep tape clean and dry.


After each use, wipe clean and apply a light rust preventive oil*. Store in tape container and in a low moisture environment.

* White Easy to Read tapes Stainless or 1095 Spring Steel - Do not oil or use solvents to clean this product.

White Easy to Read 1095 Spring Steel must be stored in a low moisture environment to prevent rust.

No periodic adjustments are needed.

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

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