



Using the relascope

Place the end of the relascope's stick under your eye and look through the slot in the orange disc, rotating 360 degrees on the same spot to observe all the trees around you. Count how many trees fill the slot at a height of 1.3 meters from the base of the tree, which is approximately breast height. Use the smaller slot next to the number 1 on the relascope.

Trees that completely fill the relascope's slot are counted (see figure on next page). Trees that do not fill the slot are not counted. A borderline tree just barely fills the slot. Every second borderline tree is counted.

Remember which tree you started with when measuring the sample plot!

Yksi relaskoopilla mitattu puu vastaa yhtä neliömetriä hehtaarilla.

Each tree counted with the relascope corresponds to one square meter per hectare.

The result gives you the **basal area of the stand**, in m^2/ha .

(The slot number 1 is 2 cm wide. If you use the larger slot, number 2, the number of trees counted must be multiplied by two to get the basal area. The larger slot is used in very dense forests.)



Measuring instruments are valuable tools—please treat them with respect.

Measuring basal area with relascope

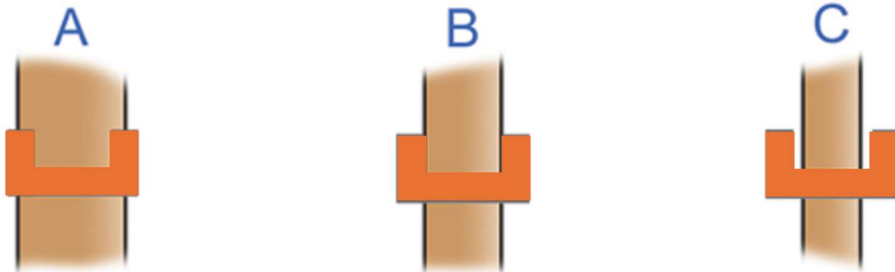
Count all the trees that appear thicker than the smaller (lower) slot of the relascope while rotating 360 degrees. For the trees where it's unclear whether they "fill the slot or not," count every second one.



Count

Count every
second tree

Don't count



For example, based on the sample plot below, the basal area per hectare is 7 m^2 (5 A-trees that fill the slot and 4 B-trees of which every second is counted).

