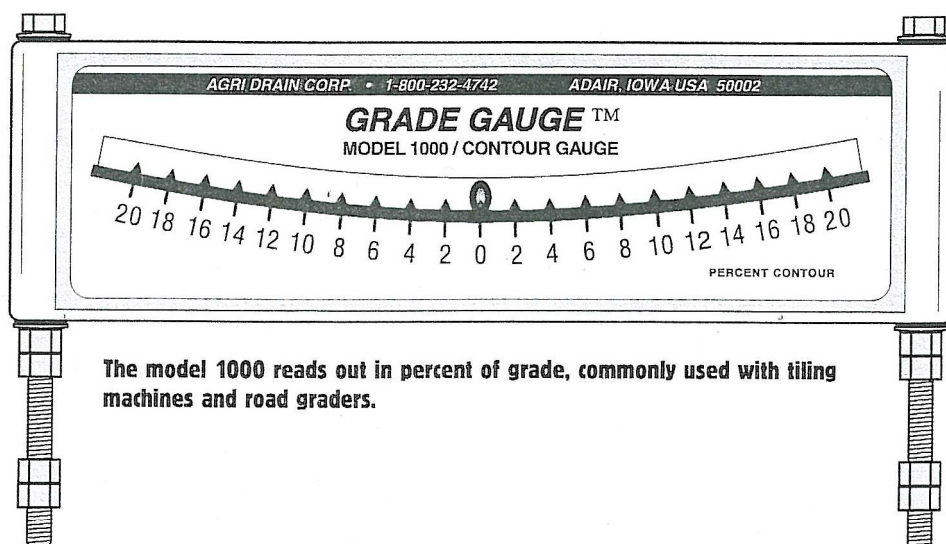


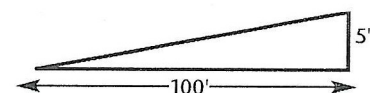
## Grade Gauges™

**Measure slopes precisely.**

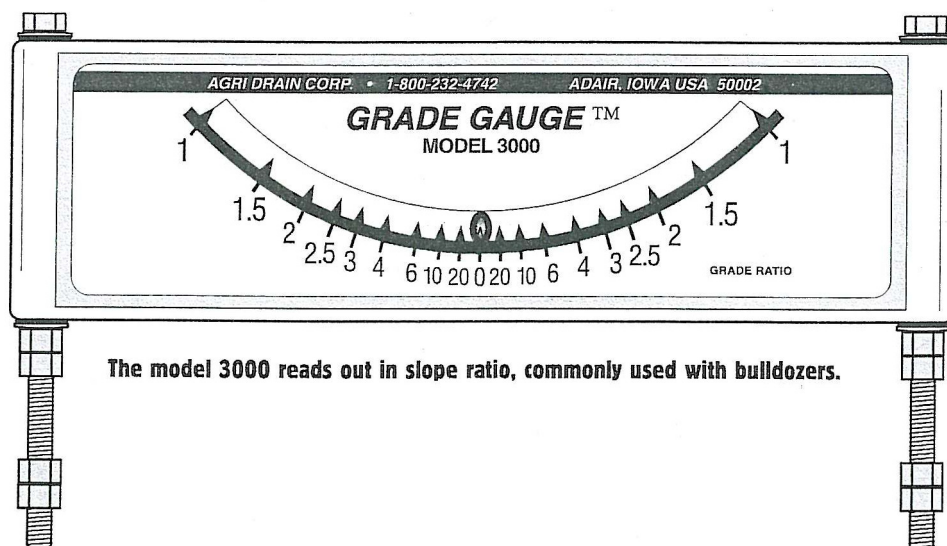
- Provides fast, accurate control when grading slopes.
- Grade Gauges™ are easy to use, weather resistant, and can mount on tiling machines, bulldozers, scrapers, or any piece of construction equipment.
- Size: 3" high, 9<sup>3</sup>/<sub>4</sub>" wide, and 3<sup>3</sup>/<sub>4</sub>" deep.
- Ideal for construction of terraces, roadways, backslopes, waterways, dams, and frontslopes.
- Keep out of direct sunlight or extreme heat.
- Call for help to select the model that is best for you.
- This product carries a 1-year warranty.



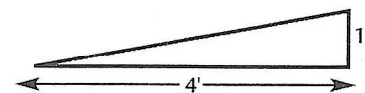
The model 1000 reads out in percent of grade, commonly used with tiling machines and road graders.



(For every 100' of travel there is a 5' change in elevation, resulting in a 5% grade.)



The model 3000 reads out in slope ratio, commonly used with bulldozers.



(For every 4' of travel there is a 1' change in elevation, resulting in a 4 to 1 slope ratio.)

## Grade Gauge™ Installation & Calibration Guide

Your new Grade Gauge™ is guaranteed for one full year from your date of purchase. Following a few simple tips on installation and usage, your instrument should provide years of accurate, trouble-free operation.

**Caution**—Do not over-tighten nuts against body of Grade Gauge™. Use two –  $\frac{5}{16}$ " nuts furnished to self-lock firmly against bottom shock washers on each bolt.

Avoid mounting the instrument where excessive stress (torsional or shock) will be exerted. If possible, mount the instrument out of direct sunlight and away from sources of extreme heat.

Select a location on your machine to mount your Grade Gauge™ that corresponds directly to the grade being cut or the altitude being monitored. Position the machine so that the corresponding location and the cutting edge, main frame blade, etc., is setting level. If a suitable mounting point is not available, a small piece of angle iron or flat steel may need to be bolted or welded to the machine to serve as a mounting bracket for the Grade Gauge™. Drill two –  $\frac{7}{16}$ " holes  $9\frac{3}{16}$ " apart, center to center parallel to the slope or angle that is to be monitored. Remove the bottom nuts from the two mounting bolts, (one per bolt) and insert the bottoms of the bolts into the holes, exposing them on the underside of the mounting bracket. Replace the nuts on the bottom of the bolts and screw them up snugly against the bottom of the mounting bracket. If the ball is on the left side of zero, raise the left side of the Grade Gauge™ or lower the right by screwing the adjusting nuts up or down, respectively. If the ball is on the right side of zero, reverse the process. Once the Grade Gauge™ is level, tighten the adjusting nuts against the mounting bracket. You should be ready to go to work.

Recheck your calibration in actual field conditions. You may have to compensate slightly for varying conditions such as load, torque, tire pressure, soil conditions, cutting edge adjustments, etc.

We at Agri Drain Corp. have confidence in the high quality of the Grade Gauge™ models 1000/3000. If you have questions, problems, or comments concerning installation or operation of your gauge, please do not hesitate to call.