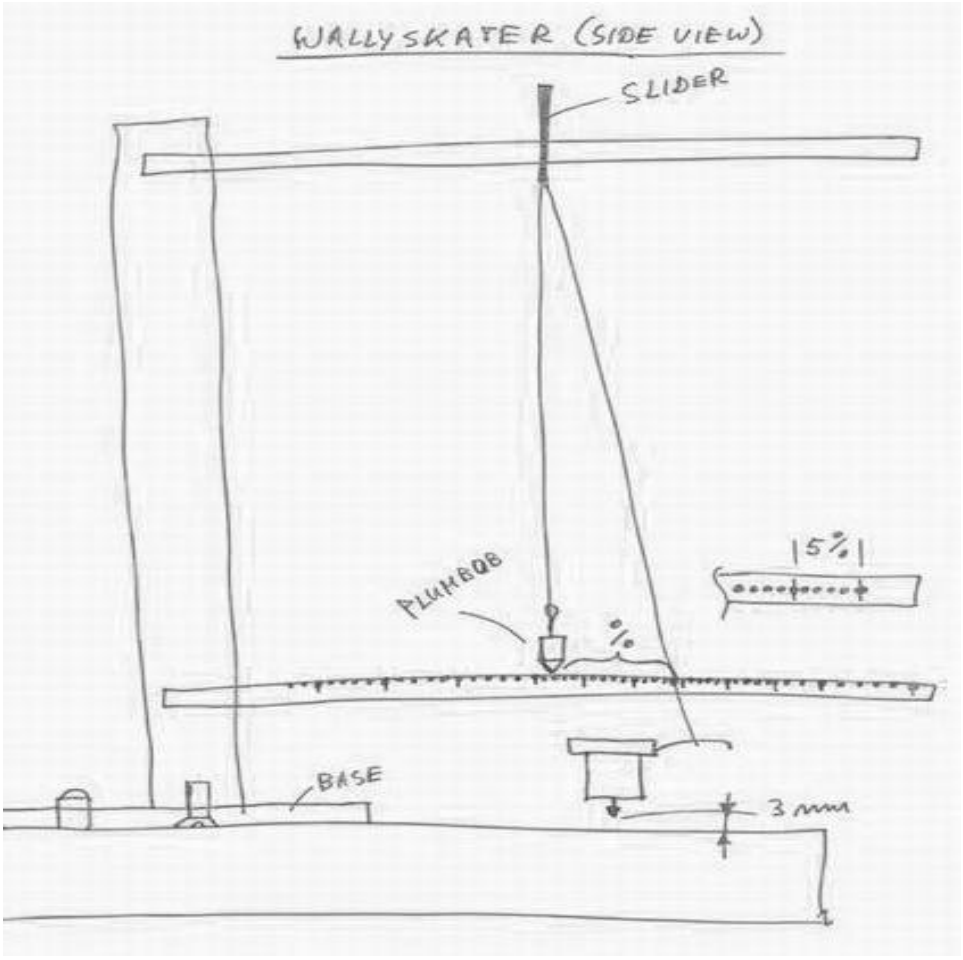
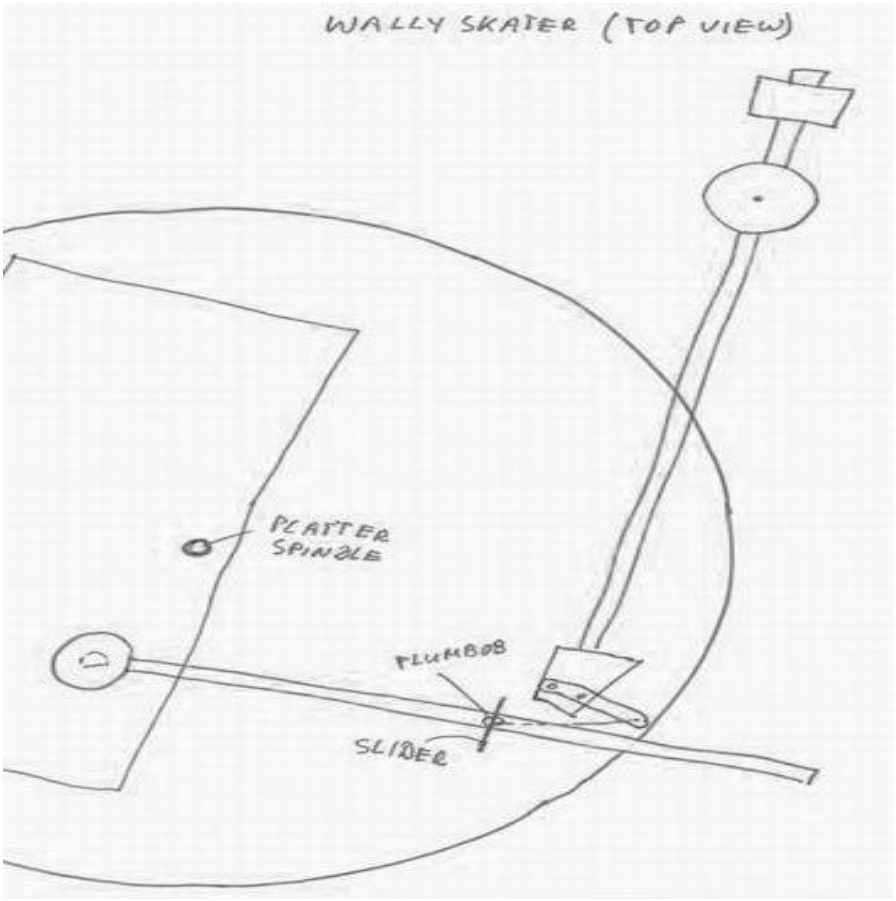
WALLYSKATER INSTRUCTIONS

The purpose of the WallySkater is to determine the perfect anti-skating force to apply to the tonearm for proper vinyl playback. This allows the audiophile to calibrate the tonearm's anti-skating device. The WallySkater is a very useful tool to determine the inherent mechanical resistance (bearings, wires, air supply tubes, etc.) in any tonearm - including linear tracking tonearms. The WallySkater does not measure in force units (e.g., grams), but in percentages of the vertical tracking force.

1. Assemble the WallySkater according to the drawing below.
2. Place the WallySkater on the platter with the spindle located through the hole in the WallySkater base. Do not use a record or mat of any type (felt, cork, etc.) at this time.
3. Make sure the Vertical Tracking Force is properly set-up by using the WallyScale.
4. Affix the thread with the loop to the headshell fingerlift and adjust the length of the string so that the stylus hovers approximately 3mm above the platter. If you do not have a fingerlift, please use a strip of firm-holding tape to attach the string to the headshell at a point that is close as possible to the effective length distance (i.e., the horizontal location of the stylus from the pivot point of the tonearm.) The tonearm should be allowed to swing freely without the stylus touching the platter and without the tonearm touching the bottom bar of the WallySkater.
5. Slide the top-bar slider (with strings attached) so that the cartridge is located at the outside edge of where the record would be.
6. Adjust the anti-skating device on the tonearm so that the distance between the plumb bob and the string supporting the tonearm is 7 to 8 percent. (Each hash mark on the lower horizontal bar of the WallySkater equals one percent.)
7. Move the slider towards the center of the platter and take another readout of the distance between the plumb bob and the string supporting the tonearm. Properly designed anti-skating devices should provide slightly higher percentages at this location – anywhere from 10 to 12 percent. If you find a discrepancy of values after moving the slider toward the center of the platter, call Wally Malewicz at 763-478-6685 to discuss the problem.
8. In order to determine the mechanical resistance of the tonearm, disengage the tonearm's anti-skating device and move the slider from right to left, observing the distance between the plumb bob and the string holding the tonearm. The resistance generated by the tonearm wires, bearings, etc. should be no higher than 3 to 4 percent. Should the resistance of the tonearm measure higher than this, contact the manufacturer.
9. Adjust azimuth and calibrate rotation speed using the WallyAnalog Shop or WallyAnalog Shop Deluxe.

Note: The anti-skating effect depends upon cartridge design, tonearm design, shape of stylus, distance of stylus from spindle and speed of rotation.


WALLY SKATER (SIDE VIEW)
SLIDER
15%
PLUMBOB
%
BASE
3 mm



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LOOK FOR OTHER WALLYTOOLS: WallyTractor, WallyVTA, WallyScales, WallyAnalog Shop and WallyAnalog Shop Deluxe