



HOW WE TEST FOR BINDING MISALIGNMENT

At V2 we use a very simple system to test for binding misalignment. We use a 10 inch long precision hardened ground steel pin that is the same diameter as the boot locking pin. We insert the pin and lock it in the binding. Using an accurate machinists square we place the 7 inch butt of the square against the ski shaft and see how the pin aligns with the square. The square has a long blade so we can easily measure the alignment. Since the pin is 9 X longer than the boot pin we magnify the misalignment by a factor of 9. It's simple, fast and very accurate.

For snow skis perfect binding alignment is not as important as for roller skis. Skis are flat with a groove for guidance in the snow. Roller skis require very accurate jigs and perfect binding alignment. (V2 binding jigs, when used properly, assure proper binding alignment.)

If the binding is misaligned the wheels need to be adjusted to compensate for the binding misalignment. That is why almost all V2 roller skis have some form of wheel adjustment.

This drawing depicts a Y axis screw misalignment of only 0.35mm. That's about the thickness of 3.5 human hairs. Because the pin in the ski boot is only 26mm long and the distance between the two rear screw holes is also only 26mm this extremely small screw hole misalignment produces a dramatic boot misalignment. The two most important screw holes are the two holes on the X axis behind the boot pin.

Because alignment is so important V2 Jenex has developed a new mounting system for the Turnamic NNN bindings that in the future will fit all V2 roller skis. The alignment plates are extremely light, less than 40 grams, and eliminate binding misalignment.

SIZE 10 US BOOT MISALIGNMENT
4.7MM (3/16")