

# How to Calculate U-joint Operating Angle

**\* This step requires a protractor**

1. All angles up or down are based on power direction.
2. If the differential is pointing toward the ground, it is an up angle. If it is pointed toward the transmission, or the transfer case, this is a down angle.
3. Having already determined the driveshaft angle, we can now calculate the u-joint operating angle.
4. If you have 2 angles the same, (down and down or up and up), subtract the angles.
5. If you have 2 angles opposite, (up and down or down and up), add the angles.
6. U-joint operating angles should not exceed a 3 degree difference. In the case where it does exceed 3 degrees, u-joint life will be reduced and vibration can occur at a lower RPM.
7. Contact us for solutions when operating angles or driveshaft angles exceed recommended maximums.

For assistance, call 508-754-6502

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