



## Wolverine Precision Balancing System



*1/2" Balancing System Part No. 2524*

*5/8" Balancing System Part No. 2272*

*3/4" Balancing System Part No. 2535*

### Instructions:

1. Install two (2) hex nuts in the groove of the balance flange.
2. Install the two (2) button head screws with washers into the nuts from step 1.
3. Set the two screw/washer/nut assemblies at 180 degrees from each other and snug up using the 5/32 wrench supplied.
4. Insert the balance flange through the wheel to be balanced and screw on the balance nut.

*Note: Make sure to match the Left Hand threaded flange with the Left Hand threaded nut and the Right Hand threaded flange with the Right hand threaded nut.*

5. Set the balance flange to a vice (or similar) and tighten the balance flange by rotating the grinding wheel with 2 hands to tight 25-30 foot pounds.

You are now ready to begin the balancing process.

6. Slide this assembly onto the bearings of the balance fixture. Keep the grooves with the screws facing away from the base. Make sure there is a small amount of clearance between the base and the wheel & flange assembly. Wait until the wheel stops rotating.
7. After rotation stops, with a pencil or marker indicate 9, 3 and 12 o'clock positions on the wheel.
8. Loosen the balance screws and move them to slightly above the 9 and 3 o'clock position - always keeping them on a horizontal plane in relation to each other.
9. Test for balance by rotating the wheel 1/4 turn left and right. If the wheel does **not** move you have balance. If not:
  - a. Move both screws (equally) a little more towards 12 o'clock (always keeping the screws on a horizontal plane from each other). Test for balance. Repeat until balance is achieved
  - b. You have balance when the wheel can be positioned at any radial location without further rotating
  - c. Finish tightening the balance screws and mount your wheel
10. When mounting the wheel and flange to your grinder, be sure to remove the "dished" washers and replace them with the machined washers supplied. These are installed **before** the wheels to increase the shoulder the flange assembly sits against.

### Notes:

1. For **Baldor Grinders**, the following washers are available: 6" Baldor Grinder (Order Part No. 2895), 7" Baldor Grinder (Order Part No. 2894), & 8" Baldor Grinder (Order Part No. 2893).
2. For **Delta 8" Variable Speed**: Two extra 5/8" machined washers are required. To install: Remove the Delta washers and spacers. Slide two 5/8" washers on to the shaft. Mount the RH flange to the left side of the grinder with the weights of the Balancing Kit towards the motor side. Install speed nut and guard.
3. If the wheel does not rotate freely on the Balance Fixture, you may wash out the bearings with mineral spirit or any solvent that dissolves grease, blow out with air and re-lubricate with light oil such as sewing machine oil or number 10 motor oil thinned 50/50 with mineral spirits.
4. Do not remove the bearing shields as this may damage the balls or racers and allow minor dirt particles to enter. This will cause stickiness that makes them useless for the intended purpose.

