



Vegas Carts & PERFORMANCE

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Tapered Shaft Adapter Instructions

For use with:

Any Engine with a 1" Shaft & 1/4" Keyway

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Be very careful to measure TWICE before cutting your crankshaft, if you cut the shaft down too far, the taper adapter can slip and ruin your crankshaft.

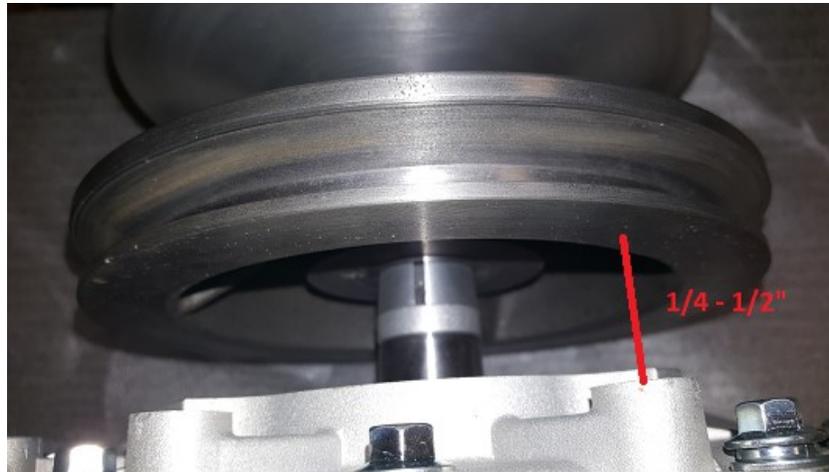


We do NOT recommend or endorse the use of taper adapters, we provide them solely for customers that want to get a cart up and running at a very low price point. You will ALWAYS be better off with a properly setup aftermarket 1" shaft clutch such as a 780R. In most cases you are sacrificing considerable performance by using your factory clutch which is rated for 1/2 the power or less.

Tools Required:

- Grinder with cut-off wheel or portable band saw
- 3/8-24 tap & holder
- "S" Drill bit
- Electric drill
- Black marker
- Clean Rags

1. You will need to determine your clutch spacing by mocking up the clutch in the position that you want it. Its a good rule of thumb to have a gap of 1/2" - 1/4" between the clutch and the engine block. More than 1/2" gap will cause stability issues and prematurely wear the crankshaft bearings. In most applications you will be within that range using the taper adapter and 1 of the provided spacers.



2. Once you have determined your spacing, mark the crankshaft 1/8" past the taper adapter and proceed to cut the extra material off. Take care to make the cut as straight as possible and deburr the sharp edges. If you are cutting with the crankshaft in the engine, you need to be careful not to overheat the oil seal. This can be avoided by taking small cuts and letting the crankshaft cool in between cuts. Additionally, we recommend soaking a cloth or rag and wrapping it around the crankshaft while cutting.





3. Assuming you are keeping the 3/8-24 thread, you will need to drill & tap the threads deeper. Carefully drill an additional 3/4" into the crankshaft using an "S" drill bit. Clean the hole with compressed air to ensure its clear of chips.
4. Hand tap the threads further using the existing threads as a pilot.
5. Clean all machined surfaces (Clutch Taper, Adapter ID & OD, 1" shaft) with brake cleaner and a clean towel or cloth.
6. Install the clutch onto the adapted shaft and torque the clutch bolt to 40ftlbs.