NOTE - This driveshaft coupler is used to couple the propeller on the vehicle's exterior to the motor's shaft on the interior. After placing the piece appropriately, we will drill and tap our own hole for a set screw. This set screw will secure the coupler to the flat spot on the driveshaft.

FIT - The slight lip on the ID of the coupler will keep the coupler from sliding too far onto the driveshaft. The larger ID (6.35 mm) should have a SLIP FIT with the unthreaded diameter of the driveshaft. See below as well as driveshaft_assembly_2d.dwg for more detail on placement and fit. See driveshaft_2d.dwg for dimensions on the driveshaft.

Driveshaft Coupler, mounts to Driveshaft
Caleb A. Sylvester, Christopher J. Cannell
Material: 303 Stainless Steel
All units: Primary (mm), Secondary (inches)
All surfaces machine tool finish except where noted. Break all edges, approximately .127mm(.005")R.
NOTE the fits between this coupler and the driveshaft.