

INSTALLATION - SERVICE INSTRUCTIONS



Part Numbers:

39005	.....MW Powerglide Transmission Yoke
39035	.....Hardened Transmission yoke
39105	.....Powerglide Rapid Release Yoke
40800	.....MW Powerglide Coupler 3-7/8" Long
40805	.....MW Powerglide w/ dedenbear housing 3-7/8" long
40810	.....MW Powerglide Coupler 6-3/4" Long
40820	.....MW Powerglide Coupler 8" Long
40830	.....MW Quick Disconnect w/ 4" Gap
40840	.....MW Quick Disconnect w/ 4-6" Gap
40850	.....MW Quick Disconnect Dedenbear housing

Technical Information for POWERGLIDE and Turbo 350 Splines Data

We are experiencing compatibility problems with our Transmission Yokes and Couplers for the Powerglide and T350, with aftermarket transmission output shafts.

To help eliminate this problem we have calculated the male spline values for a normal slip fit. The mating shaft is expected to be:

Fillet Root Side Fit Involute Spline
27 Tooth
24/48 Pitch
30 Degree Pressure Angle
Fit 1.255" to 1.257" with .080" diameter Pins
Major Diameter 1.180

This is assuming accurate tooth indexing. If the shaft has an indexing deviation, the over wire values would have to be smaller to maintain the effective space width.

The spline length in our transmission yokes is 4-1/4" long. Aftermarket produced output shafts must have 4-1/4" of full spline or must be undercut to 1.090" diameter at the end of the spline to clear the slip yoke travel.

We hope this information will solve the difficulties we are experiencing from customers feed back.