Baldor•Dodge Maxum XTR: Bearing Adjustment Tolerances

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Reducer bearings should be adjusted to the axial endplay settings shown in Table 1 to ensure proper reducer performance.

Table 1 – Bearing Adjustment Tolerances

Bearing End-Play Settings for Ratios 2.25:1 Through 31.4:1 (Inches)										
Shaft Assembly	Ratio	Reducer Size								
		CR50	CR60	CR70	CR80	CR90	CR100	CR110	CR120	CR130
Input Shaft	ALL	0.001-0.003	0.001-0.003	0.002-0.004	0.003-0.005	0.003-0.005	0.004-0.006	0.004-0.006	0.005-0.007	0.006-0.008
LS Pinion Shaft	ALL	0.001-0.003	0.002-0.004	0.002-0.004	0.002-0.004	0.004-0.006	0.004-0.006	0.033-0.043	0.039-0.049	0.037-0.047
Output Shaft	2.25 - 4.13	0.001-0.003	0.001-0.003	0.001-0.003	-	-	-	-	-	-
	5.06 & HIGHER	(0.003-0.005)*	(0.003-0.005)*	(0.003-0.005)*	(0.004-0.006)*	(0.004-0.006)*	(0.005-0.007)*	0.048-0.058	0.058-0.068	0.063-0.073
* INDICATES PRELOAD. THIS IS THE VALUE OF SHIMS TO BE ADDED FROM NO END-PLAY / NO PRELOAD CONDITION.										

Bearing End-Play Settings for Ratios 38.44:1 Through 194.6:1 (Inches)										
Shaft Assembly	Ratio	Reducer Size								
		CR50	CR60	CR70	CR80	CR90	CR100	CR110	CR120	CR130
Input Shaft	ALL	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003
1st Stage Gear Shaft	ALL	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003
LS Pinion Shaft	ALL	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.001-0.003	0.033-0.043	0.039-0.049	0.037-0.047
Output Shaft	ALL	(0.003-0.005)*	(0.003-0.005)*	(0.004-0.006)*	(0.004-0.006)*	(0.005-0.007)*	(0.006-0.008)*	0.048-0.058	0.058-0.068	0.063-0.073
* INDICATES PRELOAD. THIS IS THE VALUE OF SHIMS TO BE ADDED FROM NO END-PLAY / NO PRELOAD CONDITION.										