LOW INERTIA

CLUTCHES AND BRAKES

ALIGNMENT INSTRUCTIONS

FOR 6” THRU 60”

WPT POWER TRANSMISSION CORPORATION

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CLUTCH/BRAKE ALIGNMENT INSTRUCTIONS

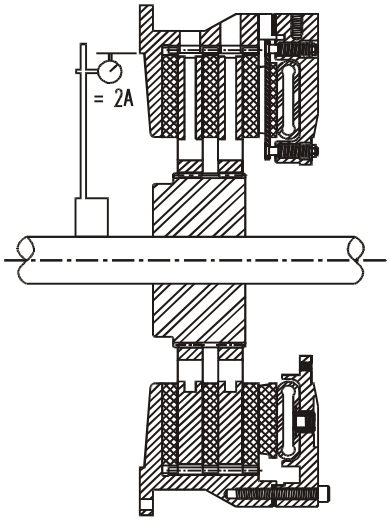
Check to see if both clutch/brake elements run square and true by indicating to the frame of the machine.

If bearing clearance will not position shaft axially, then some method of positioning shaft will be necessary during alignment.

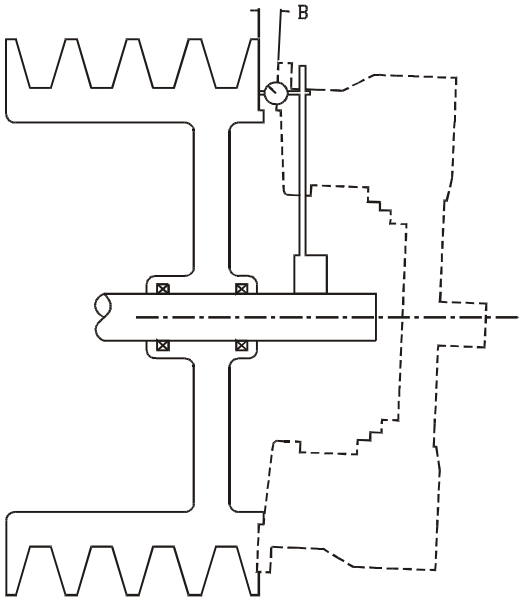
Dial indicator is to be located as shown in figures below. The readings should not exceed limitations set in table below.

The readings under A and B are maximum deviations advisable for a normal running of the clutch/brake unit with no excessive wear on friction materials and no additional load on parts or machine bearings.

Consult general arrangement drawing of machine for initial cold offset setting of shafts to compensate for thermal expansion of gear case under running conditions.



PARALLEL MISALIGNMENT



ANGULAR MISALIGNMENT

	A = T.I.R.		B = T.I.R.	
SIZE	**MILLIMETERS**	**INCHES**	**MILLIMETERS**	**INCHES**
6	0.08	0.003	0.08	0.003
8	0.10	0.004	0.10	0.004
11	0.15	0.006	0.15	0.006
14	0.18	0.007	0.18	0.007
16	0.20	0.008	0.20	0.008
18	0.23	0.009	0.23	0.009
21	0.28	0.011	0.28	0.011
24	0.30	0.012	0.30	0.012
24H	0.30	0.012	0.30	0.012
27	0.36	0.014	0.36	0.014
30	0.38	0.015	0.38	0.015
30H	0.38	0.015	0.38	0.015
36	0.46	0.018	0.46	0.018
42	0.53	0.021	0.53	0.021
48	0.61	0.024	0.61	0.024
60	0.76	0.030	0.76	0.030