

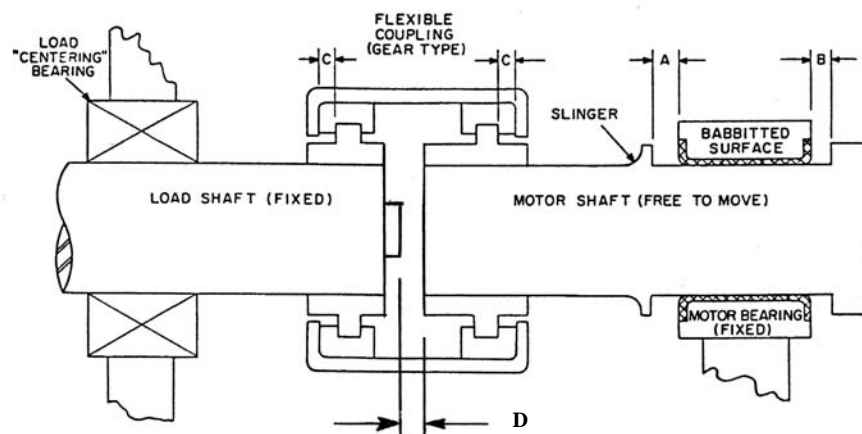


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Alignment Record for Limited End Float Gear Couplings

Many electric motors have no thrust bearing per se and rely on electromagnetic forces to center the rotor. The axial alignment with limited end float coupling is designed to prevent damage to the motor bearing shoulders. The location of 'magnetic center' must be known prior to starting the alignment. One should not assume that it is located in the middle of the total motor shaft axial travel.



1. Measure and record distance that the motor shaft travels from magnetic center unrestricted by the "load shaft:

A = _____ "INBOARD"

B = _____ "OUTBOARD"

2. Set and record dimension "D" which is a distance between the motor shaft, when on magnetic center, and the "load shaft" thrust button face:
THIS DIMENSION MUST BE GREATER THAN "ZERO" AND SMALLER THAN "B"

D = _____

3. Verify the coupling sleeve total float (bolted, with motor on magnetic center):
THIS DIMENSION MUST BE GREATER THAN "ZERO" AND SMALLER THAN "A"

2C = _____

If required, adjust thrust button thickness or hub separation to reach desired distance.