



Magnaloy Coupling Company

Technical Product Information

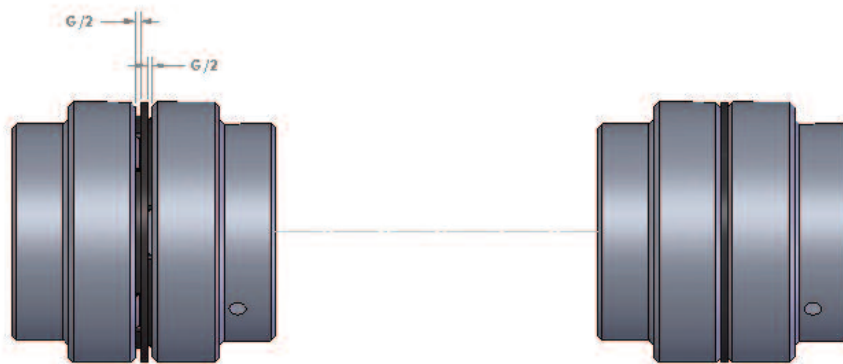
Couplings

Installation Gap for Magnaloy Couplings

Proper Coupling Installation Gap for Magnaloy Couplings:

Some electric motors have a characteristic where their shaft floats when started as it finds its "magnetic center". If these motors are used in combination with a hydraulic pump that cannot withstand any end thrust and the coupling hubs are spaced so they do not allow for this float, pump failure could result. One solution is to space the coupling hubs apart during assembly to allow for this condition. The chart below shows the amount of additional spacing that is allowed, by model size, to accommodate this situation. Spacing the coupling hubs further apart than shown in the chart runs the risk of end loading the drive lugs which could result in premature failure of the insert or hub drive lugs. The standard fit if for the hubs to be just in contact with the insert flange, not compressing it.

<u>MODEL SIZE</u>	<u>ADD'L GAP (G)</u>
100	.125
200	.125
300	.125
400	.187
500	.187
600	.250
700	.250
800	.310
900	.500



Loose Fit - up to additional gap shown on chart to accommodate motor shaft float

Normal Fit - hubs pushed in contact with insert flange