



# Magnaloy Coupling Company

## Technical Product Information

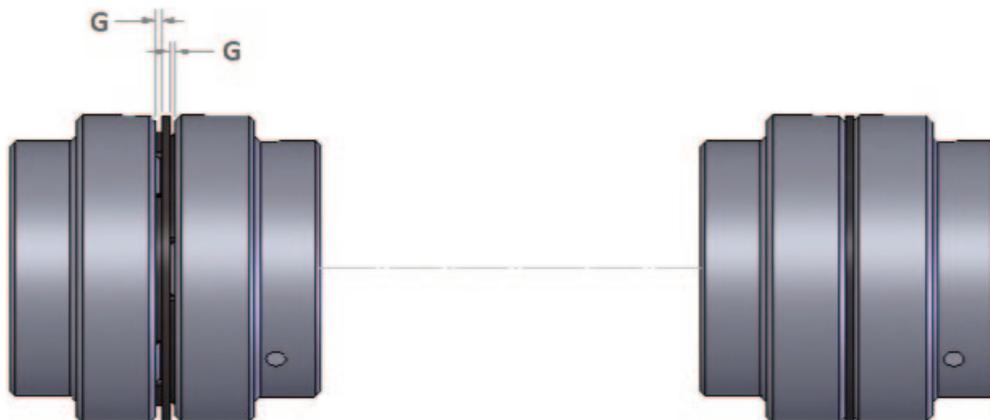
### Couplings

#### 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 a recommended gap and the maximum allowable gap by model size for each side to accommodate this situation. When an installation gap is required, the spacing should be evenly distributed to both coupling hubs and the maximum gap should never be exceeded. 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 and/or hub drive lugs. The standard or normal fit is for the hubs to be just in contact with the insert flange, not compressing it. Fasteners should be torqued to the recommended specifications.

<u>MODEL SIZE</u>	<u>MAX ALLOWABLE GAP (G)</u>	<u>RECOMMENDED GAP (G)</u>
100	.062	.062
200	.062	.062
300	.062	.062
400	.094	.062
500	.094	.062
600	.125	.062
700	.125	.062
800	.155	.062
900	.250	.062



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

Normal Fit - hubs pushed in contact with Insert Flange