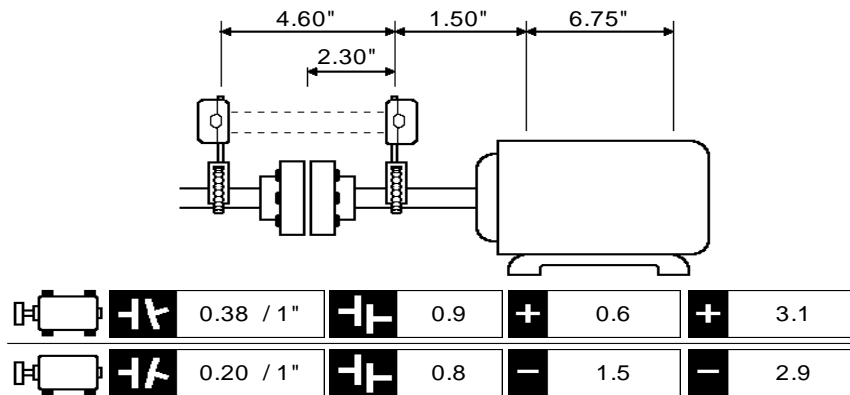


VibrAlign Laser Alignment Tips

How to read an alignment report



Top row of numbers represent the alignment condition in the horizontal or side to side direction. Angularity is .38 mils/inch and the offset at the center of the coupling is .9 mils (.0009 inches). The front foot is a positive .6 mils while the back foot is a positive 3.1 mils.

Bottom row of numbers represent the alignment condition in vertical or up and down direction. Angularity is .20 mils/inch and the offset at the center of the coupling is .8 mils (.0008 inches). The front foot is a negative 1.5 mils and the back foot is negative 2.9 mils.

Alignment quality is determined by knowing the machine speed and comparing the angularity and offset in both the horizontal and vertical directions to the tolerances established based on the speed. Feet values are used as a guide to corrections required, the angularity and offset values are used to determine alignment quality. Here is a generally accepted tolerance table.

1 mil = .001 inches = 1 thousandth

RPM	Angular Misalignment Mils per inch .001/1"		Offset Misalignment Mils .001"	
	Excellent	Acceptable	Excellent	Acceptable
3600	0.3/1"	0.5/1"	1.0	2.0
1800	0.5/1"	0.7/1"	2.0	4.0
1200	0.7/1"	1.0/1"	3.0	6.0
900	1.0/1"	1.5/1"	4.0	8.0

