The rotation speed of the shafts will decide the demands on the alignment. The table on this side can be used as a guidance if no other tolerances is recommended by the manufacturer of the machines. The tolerances are set to the maximum allowed deviation from accurate values, with no consideration of whether that value should be zero or compensated for thermal growth.

	Excellent		Acceptable	
Offset				
rpm	***mils***	***mm***	***mils***	***mm***
0000-1000	*3.0*	*0.07*	*5.0*	*0.13*
1000-2000	*2.0*	*0.05*	*4.0*	*0.10*
2000-3000	*1.5*	*0.03*	*3.0*	*0.07*
3000-4000	*1.0*	*0.02*	*2.0*	*0.04*
4000-5000	*0.5*	*0.01*	*1.5*	*0.03*
5000-6000	*<0.5*	*<0.01*	*<1.5*	*<0.03*
Angular error				
rpm	***mils/”***	***mm/100***	***mils/”***	***mm/100***
0000-1000	*0.6*	*0.06*	*1.0*	*0.10*
1000-2000	*0.5*	*0.05*	*0.8*	*0.08*
2000-3000	*0.4*	*0.04*	*0.7*	*0.07*
3000-4000	*0.3*	*0.03*	*0.6*	*0.06*
4000-5000	*0.2*	*0.02*	*0.5*	*0.05*
5000-6000	*0.1*	*0.01*	*0.4*	*0.04*