

# USE THIS EMC CHART BUT STAY OUT OF THE RED LIGHT DISTRICT !!

## PISTON SPEED FOR RPM VS. STROKE

MOTOR SPEED	8000	5333	5500	5667	5833	6000	6167	6333	6500	6667
	7750	5167	5328	5490	5651	5813	5974	6135	6297	6458
	7500	5000	5156	5313	5469	5625	5781	5938	6094	6250
	7250	4833	4984	5135	5286	5438	5589	5740	5891	6042
	7000	4667	4813	4958	5104	5250	5396	5542	5688	5833
	6750	4500	4641	4781	4922	5063	5203	5344	5484	5625
	6500	4333	4469	4604	4740	4875	5010	5146	5281	5417
	6250	4167	4297	4427	4557	4688	4818	4948	5078	5208
	6000	4000	4125	4250	4375	4500	4625	4750	4875	5000
	5750	3833	3953	4073	4193	4313	4432	4552	4672	4792
	5500	3667	3781	3896	4010	4125	4240	4354	4469	4583
	5250	3500	3609	3719	3828	3938	4047	4156	4266	4375
	5000	3333	3438	3542	3646	3750	3854	3958	4063	4167
	4750	3167	3266	3365	3464	3563	3661	3760	3859	3958
	4500	3000	3094	3188	3281	3375	3469	3563	3656	3750
	4250	2833	2922	3010	3099	3188	3276	3365	3453	3542
	4000	2667	2750	2833	2917	3000	3083	3167	3250	3333
	3750	2500	2578	2656	2734	2813	2891	2969	3047	3125
	3500	2333	2406	2479	2552	2625	2698	2771	2844	2917
	3250	2167	2234	2302	2370	2438	2505	2573	2641	2708
	3000	2000	2063	2125	2188	2250	2313	2375	2438	2500
	2750	1833	1891	1948	2005	2063	2120	2177	2234	2292
	2500	1667	1719	1771	1823	1875	1927	1979	2031	2083
	2250	1500	1547	1594	1641	1688	1734	1781	1828	1875
	2000	1333	1375	1417	1458	1500	1542	1583	1625	1667
	1750	1167	1203	1240	1276	1313	1349	1385	1422	1458
	1500	1000	1031	1063	1094	1125	1156	1188	1219	1250
	1250	833	859	885	911	938	964	990	1016	1042
1000	667	688	708	729	750	771	792	813	833	
750	500	516	531	547	563	578	594	609	625	
	4.000	4.125	4.250	4.375	4.500	4.625	4.750	4.875	5.000	

## MOTOR STROKE INCHES

- Green = 3000-4000 ft/min safe operating speed all day long
- Yellow = 4000-5000 ft/min short burst to beat buddy but slow down
- Red = 5000-6000 ft/min Taking your bike down the track then rebuild your motor

