

Motorcycle Gearing Sheet

Motorcycle Gearing Worksheet – Stock Bonneville

	Values (Enter)	Total Ratio	Minimum Speed	Maximum Speed	Speed at Max Power	Down Shift	Up Shift	Speed Range	RPM Drop at Up Shift	% RPM Drop at Up Shift
Primary Drive Ratio	1.740		(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(RPM)	(% RPM)
1st Gear Ratio	2.730	11.348	0	85	80	N/A	32	32	0	0.0
2nd Gear Ratio	1.950	8.106	15	119	112	39	45	6	857	28.6
3rd Gear Ratio	1.550	6.443	19	150	140	49	56	7	615	20.5
4th Gear Ratio	1.290	5.362	22	180	169	58	67	9	503	16.8
5th Gear Ratio	1.070	4.448	27	217	203	71	81	11	512	17.1
6th Gear Ratio	0.000	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!
Front Sprocket (Teeth)	18	2.389								
Rear Sprocket (Teeth)	43									
Wheel Rim Size (Inches)	17		Minimum Speed	Maximum Speed	Speed at Max Power	Down Shift	Up Shift	Speed Range	RPM Drop at Up Shift	% RPM Drop at Up Shift
Tyre Width (MM)	130	Gear	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(RPM)	(% RPM)
Tyre Depth (%)	80	1st Gear	0	53	50	N/A	20	20	0	0.0
Engine Minimum RPM	1,000	2nd Gear	9	74	70	24	28	4	857	28.6
Engine Maximum RPM	8,000	3rd Gear	12	94	88	30	35	5	615	20.5
Change Down RPM	2,600	4th Gear	14	112	105	37	42	6	503	16.8
Change Up RPM	3,000	5th Gear	17	136	127	44	51	7	512	17.1
Maximum Power RPM	7,500	6th Gear	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!

(Enter ALL figures in the Pink column from the owners handbook. Example tyre size shown above is 190/50-17. [p_kind@hotmail.com 3/00])

