

Motorcycle Gearing Sheet

Motorcycle Gearing Worksheet – 18T Front Sprocket (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	10.750	0	82	77	N/A	31	31	0	0.0
2nd Gear Ratio	1.950	7.679	14	115	108	37	43	6	857	28.6
3rd Gear Ratio	1.550	6.104	18	145	136	47	54	7	615	20.5
4th Gear Ratio	1.290	5.080	22	174	163	57	65	9	503	16.8
5th Gear Ratio	1.070	4.214	26	210	197	68	79	10	512	17.1
6th Gear Ratio	0.000	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!
Front Sprocket (Teeth)	19	2.263								
Rear Sprocket (Teeth)	43									
Front Wheel Rim Size (Inches)	17		Minimum Speed (MPH)	Maximum Speed (MPH)	Speed at Max Power (MPH)	Down Shift (MPH)	Up Shift (MPH)	Speed Range (MPH)	RPM Drop at Up Shift (RPM)	% RPM Drop at Up Shift (% RPM)
Tyre Width (MM)	110									
Tyre Depth (%)	70									
Engine Minimum RPM	1,000	1st Gear	0	51	48	N/A	19	19	0	0.0
Engine Maximum RPM	8,000	2nd Gear	9	72	67	23	27	4	857	28.6
Change Down RPM	2,600	3rd Gear	11	90	85	29	34	5	615	20.5
Change Up RPM	3,000	4th Gear	14	109	102	35	41	5	503	16.8
Maximum Power RPM	7,500	5th Gear	16	131	123	43	49	7	512	17.1
		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])

