

## 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
<b>Primary Drive Ratio</b>	1.740		(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(RPM)	(% RPM)
1st Gear Ratio	2.730	11.348	0	78	73	N/A	29	29	0	0.0
2nd Gear Ratio	1.950	8.106	14	109	102	35	41	5	857	28.6
3rd Gear Ratio	1.550	6.443	17	137	129	45	51	7	615	20.5
4th Gear Ratio	1.290	5.362	21	165	154	54	62	8	503	16.8
5th Gear Ratio	1.070	4.448	25	199	186	65	74	10	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									
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	49	46	N/A	18	18	0	0.0
Engine Maximum RPM	8,000	2nd Gear	9	68	64	22	26	3	857	28.6
Change Down RPM	2,600	3rd Gear	11	86	80	28	32	4	615	20.5
Change Up RPM	3,000	4th Gear	13	103	97	33	39	5	503	16.8
Maximum Power RPM	7,500	5th Gear	16	124	116	40	47	6	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])

