

Motorcycle Gearing Sheet

Motorcycle Gearing Worksheet – 19t Front Sprocket, 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	90	84	N/A	34	34	0	0.0
2nd Gear Ratio	1.950	7.679	16	126	118	41	47	6	857	28.6
3rd Gear Ratio	1.550	6.104	20	158	148	51	59	8	615	20.5
4th Gear Ratio	1.290	5.080	24	190	178	62	71	9	503	16.8
5th Gear Ratio	1.070	4.214	29	229	215	74	86	11	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									
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		(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(RPM)	(% RPM)
Tyre Depth (%)	80	1st Gear	0	56	53	N/A	21	21	0	0.0
Engine Minimum RPM	1,000	2nd Gear	10	79	74	26	29	4	857	28.6
Engine Maximum RPM	8,000	3rd Gear	12	99	93	32	37	5	615	20.5
Change Down RPM	2,600	4th Gear	15	119	111	39	45	6	503	16.8
Change Up RPM	3,000	5th Gear	18	143	134	47	54	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])

