

Motorcycle Gearing Sheet

Motorcycle Gearing Worksheet – 18T (stock) Front Sprocket

	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	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	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)	110	Gear	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(RPM)	(% RPM)
Tyre Depth (%)	70	1st Gear	0	49	46	N/A	18	18	0	0.0
Engine Minimum RPM	1,000	2nd Gear	9	68	64	22	26	3	857	28.6
Engine Maximum RPM	8,000	3rd Gear	11	86	80	28	32	4	615	20.5
Change Down RPM	2,600	4th Gear	13	103	97	33	39	5	503	16.8
Change Up RPM	3,000	5th Gear	16	124	116	40	47	6	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])

