

Motorcycle Gearing Sheet

Motorcycle Gearing Worksheet – DR650, 14T Font 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	2.178		(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(KPH)	(RPM)	(% RPM)
1st Gear Ratio	2.416	15.786	0	58	47	N/A	23	23	0	0.0
2nd Gear Ratio	1.625	10.618	17	86	70	30	35	5	982	32.7
3rd Gear Ratio	1.238	8.089	23	113	92	39	45	6	714	23.8
4th Gear Ratio	1.000	6.534	28	140	114	49	56	7	577	19.2
5th Gear Ratio	0.836	5.462	34	168	136	58	67	9	492	16.4
6th Gear Ratio	0.000	N/A	#VALUE!	#VALUE!	#VALUE!	#VALUE!	N/A	#VALUE!	#VALUE!	#VALUE!
Front Sprocket (Teeth)	14	3.000								
Rear Sprocket (Teeth)	42									
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)	120	Gear	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(MPH)	(RPM)	(% RPM)
Tyre Depth (%)	90	1st Gear	0	36	29	N/A	15	15	0	0.0
Engine Minimum RPM	1,500	2nd Gear	11	54	44	19	22	3	982	32.7
Engine Maximum RPM	7,500	3rd Gear	14	71	58	25	28	4	714	23.8
Change Down RPM	2,600	4th Gear	18	88	71	30	35	5	577	19.2
Change Up RPM	3,000	5th Gear	21	105	85	36	42	6	492	16.4
Maximum Power RPM	6,100	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])

