## Gearing calculator for motorcycles

Gearing calculator for motorcycles				
	Bike 1	Bike 2	Bike 3	Bike 4
	R6 Track (48)	R6 Track (49)	01 F4i Track	2002 RC51
Sprockets		Caron Seneral (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988) (1988)	g Sough Allogassia parantina en la reconstruera e e e e e e e e e e e e e e e e e e	
Countershaft	19			
Rear Sprocket	48			
Max RPM	15500	15500	14500	10000
Transmission	311.774.00.00.00			
Primary Reduction	1,955	1.955	2.000	1.700
1st	<b>2,84</b> 6	2.846	2.930	2.641
2nd	1,947	1,947	2,102	1.812
3rd	1.556	5 1.556	1.592	1.428
4th	1,333		1.377	1.240
5th	1,190	1.190	1.190	1,080
6th	1.083	1.083	1,075	0.962
Final Reduction	<b>3</b> .200	3.267	3.200	2.733
Rear Tire				
Tire Width	180	180	180	190
Aspect Ratio	######## <b>5</b> 5	5 - 55	55	50
Wheel Radius	15	17	- 17	17
Tire Radius (mm)	314.9	314.9	314.9	310.9
Top Speed (MPH)	168.8	165.3	155,5	163.0
Ratio Calculations				
Overall Ratio in 1st	17.804576	i 18.17550467	18.752	12.27184667
Overall Ratio in 2nd	12.180432	. 12.434191	13.4528	8.41976
Overall Ratio in 3rd	9.734336	9.937134667	10.1888	6,63544
Overall Ratio in 4th	8.339248	8 - 8.512982333	8.8128	5.761866667
Overall Ratio on 5th	7.44464	7.599736667	7.616	5.0184
Overall Ratio in 6th	6.775248	6.916399	6,88	4.470093333
Speed Calculations				
Top Speed in 1st	64.2	. 62,9	57.1	59.4
Top Speed in 2nd	93,9	92.0	79.5	86.5
Top Speed in 3rd	117.5	115.1	105.0	109.8
Top Speed in 4th	137.1	134.3	121.4	126.4
Top Speed on 5th	153.6	150.5	140.5	145.2
Top Speed in 6th	168.8	165.3	155.5	163.0
Engine Speed (RPM)	Engine Torque	(ft*lb)		
3500	22.3	±======22.3	26.5	55,4
4500	29.4	29.4	28.5	52.7
5500	33,4	33.4	29.1	61.7
6500	35.0	35.0	35.0	64.9



