**HOW TO CALCULATE SPEED**

**LOCATE THE RPM REQUIRED IN LEFT COLUMN AND READ ACROSS TO FIND REQUIRED SPEED THEN UP TO GIVE THE RATIO NEEDED FOR THAT SPEED.**

**EG. 2400 RPM WITH 4.60 RATIO DIFF WILL GIVE YOU 99.7 KPH WITH DIRECT GEARBOX AND 10.00 X 20 TUBE TYRES.**

**IF YOU ARE USING AN OVERDRIVE GEARBOX FIND THE OVERDRIVE RATIO OF THAT UNIT DIVIDE THE ROAD SPEED BY THE GEARBOX RATIO AND THAT WILL GIVE YOU THE ROADSPEED IN THAT GEAR.**

**EG. ROAD SPEED IS 99.7 KPH IN DIRECT SO DIVIDE 99.7 BY THE OVERDRIVE RATIO OF .81 (SAMPLE ONLY) AND THIS GIVES YOU A SPEED OF 123 KPH. THIS MEANS YOU CAN CUT YOUR REVS BACK TO 2000RPM AND YOUR SPEED IN OVERDRIVE WILL BE 102 KPH.**

**TO ALLOW FOR VARING TYRE SIZES MULTIPLY THE ROAD SPEED BY THE FACTOR IN THE TABLE BELOW.**

**TUBE TYRE SIZE TUBELESS TIRE SIZE FACTOR**

**8.25-20 9.00 -22.5 .917**

**9.00-20 10.00-22.5 .962**

**10.00-20 11.00-22.5 1.00**

**10.00-22 11.00-24.5 1.045**

**11.00-20 12.00-22.5 1.026**

**11.00-22 12.00-24.5 1.077**