



BSA

SPEED & SPORTS PARTS



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EXTERNAL GEAR RATIO CHART FOR A65-2L - A50-2C - A50-2CC MODELS

| REAR WHEEL SPROCKETS | 42T | 46T | 50T | 51T | 52T |
|----------------------|------------|------|------|------|------|
| GEARBOX SPROCKET | 16T - 5.44 | 5.96 | 6.47 | 6.60 | 6.73 |
| | 17T - 5.34 | 5.85 | 6.36 | 6.49 | 6.62 |
| | 19T - 4.58 | 5.02 | 5.45 | 5.56 | 5.67 |
| | 20T - 4.36 | 4.76 | 5.18 | 5.28 | 5.39 |
| | 21T - 4.14 | 4.53 | 4.93 | 5.03 | 5.13 |

HOW TO FIGURE TOP SPEED (4th gear) EXTERNAL GEAR RATIOS:

Multiply the clutch sprocket by the rear wheel sprocket.
Then multiply the engine sprocket by the gearbox sprocket
and divide the former product by the latter product.

EXAMPLE: $\frac{58 \times 42}{28 \times 19} = 4.58$ to 1 in Top Speed

INTERNAL GEAR RATIOS; A65-2L A65-1T A65 A50-2C A50 Models:

| BOTTOM | 2ND | 3RD | TOP |
|------------|------------|------------|--------|
| 2.510 to 1 | 1.597 to 1 | 1.143 to 1 | 1 to 1 |

HOW TO FIGURE THE EXTERNAL GEAR RATIOS IN THE INTERMEDIATE SPEEDS:

Multiply the known external Top Speed ratio by the internal
ratio of the intermediate speed 1st - 2nd or 3rd.

EXAMPLE: $4.58 \times 2.510 = 11.495$ to 1 Bottom
 $4.58 \times 1.597 = 7.314$ to 1 2nd
 $4.58 \times 1.143 = 5.234$ to 1 3rd

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