

BSA WDM20 Gearbox.

Bush and Shaft Dimensions.

Using the information on this list the original clearances for the gearbox bushes can be calculated and the shafts and bushes checked for wear. If shafts are worn and need to be stoned or ground to produce a clean but undersize surface the bush inside diameter required for the new shaft size can then be easily calculated...

Sleeve Gear Bush I.D. .8745" - .8755"

Main shaft diameter for bush .872" - .873"

Layshaft Bush I.D. (sprocket end) .687" - .688"

Layshaft diameter for bush .685" - .6855"

Layshaft 1st. gear bush I.D. .8755" - .8765"

Layshaft diameter for bush .8725" - .8730"

Layshaft 2nd. Gear and mainshaft 3rd. gear bush I.D. 1.0005" – 1.0015"

Diameter of shafts for bushes shown above .9975" - .9980"

Kickstart quadrant bush (outer cover) 1.187" - 1.188"

Kickstart quadrant diameter for bush 1.1855" – 1.1865"

Control shaft bush I.D. (both ends) .562" - .563"

Control shaft diameter for bushes .5605" - .5615"

Gear change spindle bush I.D (inner cover) .6245" - .6255"

Gear change spindle diameter for bush .6225" - .6235"

Gear change ratchet sleeve bush I.D. (outer cover) .8745" - .8755"

Gear change ratchet sleeve diameter for bush .872" - .873"

Gear control quadrant bush I.D. (inner cover) .562" - .563"

Gear control quadrant shaft diameter for bush .560" - .563"

Gearbox main shaft diameter for ball bearing (gear change end) .7495" - .7499"

Gearbox sleeve gear pinion diameter for main bearing 1.3779" – 1.3780"

Gear control quadrant shaft bush I.D

NOTE: I.D. = Inside diameter

