Engine Displacement and Bore Size Guide

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How to calculate Engine CC

Formula – Bore (mm) X Bore (mm) X Stroke (mm) X 3.1416´´ = Engine cc

Example – 90.5 X 90.5 X 69mm X 3.1416 = 1775cc (to get the Volume of 1 cylinder in CC divide by 4)

Example – 1775 ÷ 4 = 443.75

How to calculate Compression Ratio

Forumla – Head cc = Deck cc = 1 cylinder volume Head cc + Deck cc Example – 69mm X 90.5mm engine size = 1775 ÷ 4 = 443.75cc .060´´ Deck = 9.80cc Head = _____50.00cc 503.55cc

443.75cc

9.80cc

_____50.00cc

503.55cc

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Stock Piston Sizes

1200cc – 77mm 1300cc – 77mm 1500cc – 83mm 1600cc – 85.5mm

Uprated / Bigger Bore Piston Sizes