



COMPRESSION RATIO CALCULATOR

Static and Dynamic Compression Ratio (Considers Cam Timing and Rod Ratio)

ENTER YOUR DATA		CALCULATED DATA	
Cylinder Head Volume (cc)	65	Cylinder Head Vol (cubic in.)	3.965
Piston Head Volume (cc)	+5	Piston Head Vol (cubic in.)	0.305
Gasket Thickness (in.)	.041	Swept Volume (cubic in.)	47.833
Gasket Bore (in.)	4.190	T.D.C. Volume (cubic in.)	5.065
Cylinder Bore Diameter (in.)	4.030	Gasket Volume (cubic in.)	0.565
Deck Clearance (in.) <small>Note: Neg. number above deck, Pos. number below deck</small>	0.018	Deck Volume (cubic in.)	0.230
Stroke (in.)	3.75	STATIC COMPRESSION RATIO	10.444
OPTIONAL DATA			
Rod Length (in.)	5.7	Adjusted Stroke (in.)	3.001
Intake Closing Point (degrees) <small>ABDC @ 0.050 lift plus 15 degrees</small>	62	DYNAMIC EFFECTIVE COMPRESSION RATIO	8.558
<input type="button" value="Calculate"/>			

[Return to United Engine & Machine Calculator Listing](#)