



COMPRESSION RATIO CHARTS

CHEVY SMALL BLOCK

BORE	STROKE	ROD	COMPRESSION HEIGHT	DOME	FLAT TOP or REVERSE DOME	COMP. RATIO USING CYLINDER HEADS WITH		
						58CC	64CC	76CC
4.030	3.480	6.00	1.250		5.cc-	10.6	10.0	8.8
4.030	3.800	5.850	1.250		5.cc-	11.6	10.8	9.5
4.030	3.750	6.00	1.120		5.cc-	11.4	10.6	9.4
4.030	3.480	6.00	1.250		11.cc-	10.4	9.4	8.3
4.030	3.480	6.00	1.250		20.cc-	9.0	8.4	7.7
4.155	3.480	6.00	1.250		5.cc-	11.2	10.4	9.2
4.155	3.750	6.00	1.120		5.cc-	12.0	11.2	9.9
4.155	3.750	6.00	1.120		15.cc-	10.7	10.0	9.0
4.155	4.000	5.850	1.150		20.cc-	10.8	10.2	9.2
4.030	3.480	5.700-6.00	1.550-1.250	12.3cc+		13.6	12.4	10.6
4.030	3.750	5.700-6.00	1.420-1.120	12.3cc+		14.6	13.3	11.3
4.030	3.480	5.700-6.00	1.550-1.250	13.7cc+		14.0	12.7	10.8
4.030	3.750	5.700-6.00	1.420-1.120	13.7cc+		14.9	13.6	11.5
4.155	3.480	5.700-6.00	1.550-1.250	12.cc+		14.1	12.9	11.0
4.155	3.480	5.700-6.00	1.550-1.250	10.4cc+		13.8	12.6	10.8
4.155	3.750	5.700-6.00	1.420-1.120	10.4cc+		14.8	13.5	11.6
4.155	3.875	5.850-6.00	1.213-1.060	10.4cc+		15.2	13.9	12.0
4.155	4.000	6.00	1.000	10.4cc+		15.7	14.4	12.3

ALL CALCULATIONS ARE APPROXIMATE Compression ratios are based on .038 gasket and 0 deck

CHEVY BIG BLOCK

BORE	STROKE	ROD	COMPRESSION HEIGHT	DOME	BLOCK HEIGHT	COMP. RATIO USING CYLINDER HEADS WITH	
						119CC	110CC
4.310	4.000	6.135 - 6.385	1.645 - 1.395	48.4cc+	9.800	13.1	14.45
4.310	4.250	6.135 - 6.385	1.520 - 1.270	48.4cc+	9.800	13.7	15.3
4.310	4.500	6.135 - 6.535	1.395	48.4cc+	9.800 - 10.200	14.4	16.1
4.310	4.750	6.535	1.270	48.4cc+	10.200	15.2	17.0
4.375	4.000	6.135 - 6.385	1.645 - 1.395	48.4cc+	9.800	13.2	14.8
4.375	4.250	6.135 - 6.385	1.520 - 1.270	48.4cc+	9.800	14.0	15.6
4.375	4.500	6.135 - 6.535	1.395	48.4cc+	9.800 - 10.200	14.8	16.5
4.375	4.750	6.535	1.270	48.4cc+	10.200	15.5	17.4
4.500	4.000	6.135 - 6.385	1.645 - 1.395	42.0cc+	9.800	13.0	14.3
4.500	4.250	6.135 - 6.385	1.520 - 1.270	42.0cc+	9.800	13.7	15.1
4.500	4.500	6.135 - 6.535	1.395	42.0cc+	9.800 - 10.200	14.4	16.0
4.500	4.750	6.135 - 6.535	1.395	42.0cc+	9.800 - 10.200	15.1	16.8

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