



## Platinum 180 LT SBC 23° Aluminum Cylinder Head

<b>Part#</b>	11110010L thru 11111112L
<b>Material:</b>	355T6 alum alloy
<b>Comb Chambers:</b>	58cc
<b>Intake Valve Dia:</b>	2.02"
<b>Intake Port volume:</b>	180cc
<b>Intake Port Dim:</b>	1.190"w x 2.075"h
<b>Int Port Location:</b>	Stock
<b>Intake Gasket:</b>	Fel-Pro# 1284
<b>Exh Valve Dia.:</b>	1.600"
<b>Exh Port volume:</b>	75cc
<b>Exhaust Port Dim:</b>	1.410"w x 1.350"t
<b>Exh Port Location:</b>	Stock location & bolt pattern
<b>Exhaust Gasket:</b>	Fel-Pro# 1470
<b>Flow, Intake:</b>	257 cfm @ .500" lift / 28"
<b>Flow, Exhaust:</b>	172 cfm @ .500" lift / 28"
<b>Head Bolts:</b>	ARP# 134-3601 or can also use o.e. style bolts.
<b>Head Studs:</b>	ARP# 134-4001 or 234-4301 (12pt)
<b>Manifold:</b>	LT style
<b>Milling:</b>	Min. 58cc = .060" (.0065" = 1cc) Flat Mill Angle mill .125" safely .200" = 49cc 1.5° (carefully)
<b>Pistons:</b>	Most 23° aftermarket pistons.
<b>Push Rod length:</b>	Stock Should always measure
<b>Push rod Guide Plate:</b>	<b>Not used, uses stock type self aligning rockers</b>
<b>Retainers:</b>	Steel 7° with 1.250" springs, and Steel 10° with 1.437"
<b>Spark Plug:</b>	Angle .750" reach, gasket, Autolite AR3934
<b>Spring Pockets:</b>	Cut for up to 1.550" diameter springs. Can cut .030" deeper max
<b>Springs:</b>	Our assembly: 1.250S = 110# @ 1.700" / .520" max Comp 981 1.437D = 130# @ 1.800" / .620" max Comp 987
<b>Valve Length:</b>	Std 4.890"
<b>Valve Stem Dia:</b>	.3415" - 11/32"
<b>Valve Train:</b>	Std SBC 3/8" or 7/16" stud mount
<b>Valve Guides:</b>	.439" Outside diameter Int. and Exh. Mag-bronze (.002" press)
<b>Valve Guide length:</b>	2.100"
<b>Valve Guide clearance:</b>	.0014" - .002" (with our .3415 dia. valve stem)
<b>Valve Guide Spacing:</b>	1.890" moved .030" from stock
<b>Valve Seats:</b>	Hardened ductile iron, .006" press
<b>Valve Seat dim.</b>	Int - 2.160"x 1.810" x .350" Exh - 1.650"x 1.350" x .350"
<b>Valve Seat angles:</b>	Int = 32° - 45° - 60° - 70°-80° Exh = 37° - 45° - radius
<b>Stud Girdle:</b>	Use any standard girdle
<b>Torque:</b>	Head bolts = 70 ft/lb Rocker studs = 45 ft/lb Manifold = 35 ft/lb
<b>Block Use:</b>	LT style reverse cooling passages
<b>Weight:</b>	23 lbs. bare