

BILLET BBC HEADS

STANDARD FEATURES

- **VALVE SIZES:** Small Port: 2.190" +.250 Long Intake & 1.850" standard length Exhaust Valve. Large Port: 2.350" +.350 Long Intake & 1.880" +.100 length Exhaust Valve
- **CHAMBERS:** Small Port: 118cc, Large Port: 111 or 118cc
- **PORT VOLUMES:** Small Port: Intake: 316cc average, Exhaust: 119cc. Large Port: Intake: 368cc average, Exhaust: 130cc
- **PORTING:** 100% CNC ported with the latest high velocity, high flow design by AJPE
- **VALVE GUIDES:** Iron guides with bronze liners, honed to precision clearances
- **SEATS:** Precision multi angle valve job, finished, ready to assemble out of the box Iron valve seats are standard, Copper alloy option available at extra cost
- **VALVE SPRINGS:** 1.650" Triple Valve Springs fit with no machining necessary Installed height: 2.100" using a +.100" - 10* Retainer & .030" shim
- **LITE WEIGHT:** 38 lbs bare (vs 38 lbs for Brodix BB2 "Big Brodie" bare vs 75 lbs for Merlin Iron BBC bare)



DESIGN FEATURES

- **INTAKE MANIFOLD:** Standard BBC rec port design. AJPE stocks fully prepped Indy BBC blower manifolds
- **INTAKE PORT O-RINGS:** Available as an extra cost option
- **EXHAUST:** Accepts standard BBC headers, Exhaust bolt pattern is raised up .450" over factory. Please call for dimensions if using 2.375" or 2.500" headers.
- **PISTONS/CHAMBERS:** conventional BBC style 118cc or 111cc chambers standard
- **ROCKER ARMS:** chose from: Stud & Guide plate, Individual Shaft mount, & One Piece Rocker Bar from T&D
- **VALVE COVERS:** Standard BBC.
- **SPARK PLUGS:** 14mm - 1/4" Reach Gasket Style (13/16" hex fits easily)
- **DECK O-RINGS:** AJPE can provide heads O-ringed or Receiver grooved to your specs for an additional charge
- **HEAD STUDS:** 7/16" Diameter with Steel HB inserts installed (at no extra charge) Call for stud length dimensions

	VALVE LIFT/CFM	.900"	.800"	.700"	.600"	.500"	.400"	.300"	.200"	Min Area	Max Area	Avg Area
INTAKE	2.190" VALVE 316cc/118cc 4.250" Bore / #01 Program	375	367	360	348	325	290	233	151	2.992"	3.630"	3.210"
	2.350" VALVE 368cc/118cc 4.500" Bore / #02 Program	422	407	390	387	337	303	242	159			
	2.350" VALVE 368cc/111cc 4.500" Bore / #03 Program	421	406	392	364	328	287	222	147	3.417"	4.201"	3.726"
EXHAUST	1.850" VALVE 4.250" Bore / #01 Program		315	310	302	283	244	174	122	2.022"	2.604"	2.289"
	1.880" VALVE 4.500" Bore / #02 Program	329	322	315	305	291	249	175	118	2.098"	2.693"	2.374"
	1.880" VALVE 4.500" Bore / #03 Program	333	327	322	313	295	252	181	131			

EXHAUST TESTED WITH 2.375" PIPE

PHONE (805) 922-1202

FAX (805) 349-7129

1097 FOXEN CANYON RD.
SANTA MARIA, CA 93454

www.alanjohnsonperformance.com

AJPE

alan johnson performance engineering