



## CNC Ported 335, 355 BBC Aluminum Cylinder Head

<b>Part#</b>	19474030 & 19574030
<b>Material:</b>	RMR Cast Aluminum Alloy
<b>Comb Chambers:</b>	121cc
<b>Intake Valve Dia:</b>	2.300"
<b>Intake Port Dim:</b>	1.760"w x 2.500"h
<b>Int Port Location:</b>	Stock
<b>Intake Gasket:</b>	Mr. Gasket# 121
<b>Exh Valve Dia.:</b>	1.880"
<b>Exh Port volume:</b>	138cc
<b>Exhaust Port Dim:</b>	2.000"w x 1.740" h
<b>Exh Port Location:</b>	Raised .300" STD bolt pattern
<b>Exhaust Gasket:</b>	Fel-Pro 1412
<b>Exhaust Head Bolts:</b>	1" longer than stock (4) ea.
<b>Flow, Intake:</b>	(335) 400 cfm (355) 415 cfm @.800 lift/28"
<b>Flow, Exhaust:</b>	303 cfm @.800 lift/28"
<b>Head Bolts/studs:</b>	Bolts – ARP# 135-3603 Studs – ARP# 235-4103
<b>Manifold:</b>	Rect. Port Dart (opening - 1.575"x 2.250") 6.25" tall
<b>Milling:</b>	Min. 110cc. (.005" = 1cc) Flat mill only.
<b>Pistons:</b>	Most aftermarket pistons.
<b>Push Rod length:</b>	Avg. +.200" / +.250" Should always measure Stock length Int. = 8.275" / Exh = 9.250"
<b>Push Rod Guide Plate</b>	Must use Dart PN# 27001230-4
<b>Retainers:</b>	1.625" - Tit / 1.550" - Moly Steel (10°)
<b>Spark Plug:</b>	.750" reach, gasketed. Autolite AR3933 Street AR3924
<b>Spring Cups:</b>	1.625" - .035" cup / 1.550" - .150" cup
<b>Spring Pockets</b>	1.740" OD for 1.625" cup (.030" deeper max)
<b>Springs:</b>	Our Assembly: 1.625D = 275# @ 2.000" / .850" max P.S.I
<b>Valve Angles:</b>	Int - 24°, Exh - 15° (Rolled 2°) 4° cant
<b>Valve Length:</b>	Int - 5.505" (+.250) Exh - 5.435" (stock)
<b>Valve Stem Dia:</b>	.3415" - 11/32"
<b>Valve Train:</b>	STD BBC 7/16" stud mount
<b>Valve Guides:</b>	1/2" OD Mag - bronze Cut for .530" PC seals (.002" press)
<b>Valve Guide length:</b>	Int - 2.250" Exh - 2.250"
<b>Valve Guide clearance:</b>	.0014" - .0021" (with our .3415 dia. valve stem)
<b>Valve Guide Spacing:</b>	Exh moved .045" away from Int
<b>Valve Seats:</b>	Copper impregnated powdered metal
<b>Valve Seat dim.</b>	Int. - 2.450" x 2.000" x .375" Exh - 2.000" x 1.600" x .375"
<b>Valve Seat angles:</b>	Int = 32° - 45° - 60° - 70° - 80° Exh = 37° - 45° - radius
<b>Stud Girdle:</b>	Must use DART design. Part# 64110001
<b>Valve Covers:</b>	Part# 68000040 Inverted flange
<b>Torque:</b>	Head Bolts = 70 ft/lb Dart inner head studs 3/8-7/16 = 50 ft/lb Rocker Studs = 55 ft/lb Manifold = 35 ft/lb
<b>Block Use:</b>	Mark IV, Gen V, and Gen VI with proper head gasket
<b>Weight:</b>	29 lbs