



14 Degree Big Chief Oval Port CNC Aluminum Cylinder Head

Part#	18275070 - 18275179
Material:	355-T61 alum alloy
Comb Chambers:	86cc with Tit valves
Intake Valve Dia:	2.470" or 2.500"
Intake Port volume:	FP CNC - 433cc
Intake Port Dim:	1.835" x 2.650"
Int Port Location:	Raised 1.500" Spread ports
Intake Gasket:	Dart# 65002155 or Fel-Pro# 1290 (trim to fit)
Exh Valve Dia.:	1.800"
Exh Port volume:	200cc
Exhaust Port Dim:	2.100" w x 1.850" h
Exh Port Location:	Raised .900" STD Chevy bolt pattern
Exhaust Gasket:	Mr. Gasket 5914
Flow, Intake:	495 cfm @ .900" lift/28"
Flow, Exhaust:	349 cfm @ .900" lift/28"
Lifter:	Use .180" offset lifter
Manifold:	Dart Big Chief Oval 1x4 bbl = 8" tall
Milling, flat:	Min. 76cc / .020" max (.006" = 1cc)
Milling, angle:	76cc / 0" - .100"
Pistons:	Must use pistons for 14° Big Chief head.
Push Rod length:	Should always measure
Retainers:	Titanium 10°
Spark Plug:	.750" reach, gasketed Autolite AR3932
Spring Cups:	1.625" - .060 cup
Spring Pockets	1.740" OD for 1.625" cup (.030" deeper max)
Springs:	Our Assembly: 1.625T = 330# @ 2.100" / .910" max P.S.I
Valve Angles:	Int - 14°, Exh - 7°, 4° cant
Valve Length:	Int - 6.600" Exh - 6.450"
Valve Stem Dia:	.3415" - 11/32" 5/16" optional
Valve Train:	Jesel or T&D 14° rocker system
Valve Guides:	1/2" OD Mag - bronze Cut for .500" PC seals (.002" press)
Valve Guide length:	3.000"
Valve Guide clearance:	.0014" - .0021" (with our .3415 dia. valve stem)
Valve Guide Spacing:	Widened for use on min. 4.600" bore
Valve Seats:	Copper-Beryllium, .006" press
Valve Seat dim	Int - 2.520" x 2.000" x .375" Exh - 2.000" x 1.560" x .375
Valve Seat angles:	Int: 45° - 55° - 65° - 75° - 83° Exh: 45° - 55° - Radius
Studs, head:	Must use Big Chief stud kit #66120015
Titanium Valves	Must use lash caps
Torque: w/oil	Head Bolts = 70 ft/lb Dart's inner head studs 3/8-7/16 = 50 ft/lb Manifold = 35 ft/lb
Block Use:	Mark IV, Gen V, and Gen VI with proper head gasket
Weight:	42 lbs