

DART 14 Degree Big Chief 5.000" Spread Port

Part#	18700000C
Material:	355-T61 alum alloy
Comb Chambers:	83cc
Intake Valve Dia:	2.575"
Intake Port volume:	512 cc
Intake Port Dim:	2.750"h x 1.975"w (Oval)
Int Port Location:	Raised .200"
Intake Gasket:	Dart PN # Custom
Exh Valve Dia.:	1.900"
Exh Port volume:	211 cc
Exhaust Port Dim:	Round, 2.075"W x 1.925"T
Exh Port Location:	Angled & Raised 1.000" Extended flange w/ Spread BBC bolt pattern
Exhaust Gasket:	Dart PN # Custom
Flow, Intake:	560 cfm @ 1.000" Lift 28" H2O
Flow, Exhaust:	375 cfm @ 1.000" Lift 28" H2O
Lifter:	Use .180" offset lifter or Dart X Lifter location w/ .937" keyed lifter (centered)
Manifold:	Sheet Metal
Milling:	.005" = 1 cc
Pistons:	Custom 14° piston
Push Rod length:	Must always measure
Retainers:	Titanium 10°
Spark Plug:	.750" reach gasket seat
Spring Cups:	Custom – measurement based on installed height and assembly parts
Spring Pockets	1.750" dia
Springs:	P.S.I – 1.650" 338 lbs @ 2.100" 1,002 lbs @ 1.200" .900" max lift
Valve Angles:	Intake - 14° x 4° Ex. – 7° x 4°
Valve Length:	Intake – 6.950" Ex. – 6.625" OAL +.250 tip
Valve Stem Dia:	11/32" or 5/16"
Valve Train:	Jesol 14° B/C, T&D B/C or Dart custom one piece intake bar PN#
Valve Guides:	Mag Bronze or Steel
Valve Guide length:	Intake - 2.850" x .500" Ex. 2.850 x .500"
Valve Guide clearance:	.0014" - .0021" w/ Titanium valve .3415" dia.
Valve Guide Spacing:	N/A
Valve Seats:	Copper - AMPCO 45
Valve Seat dim	2.700" O.D
Valve Seat angles:	Intake – 55° Ex. – 55°
Studs, head:	Dart PN # 66140011
Titanium Valves	Dart PN# (Custom order call)
Torque:	Head studs 7/16 = 70 ft lbs Inner studs 3/8 x 7/16 = 50 ft lbs
I.D Number	Stamped # 3050
Block Use:	Dart custom Billet block
Weight:	40 lbs ported un-assembled