

Dart  **Platinum 180 SBC 23° Aluminum Cylinder Head**

Part#	11110010P – 11221112P
Material:	355-T61 alum alloy
Comb Chambers:	64cc & 72cc
Intake Valve Dia:	2.02"
Intake Port volume:	180cc
Intake Port Dim:	1.180w x 2.095h
Int Port Location:	Stock
Intake Gasket:	Fel-Pro # 1205
Exh Valve Dia.:	1.600"
Exh Port volume:	75cc
Exhaust Port Dim:	1.375" x 1.325" w
Exh Port Location:	Stock location & bolt pattern
Exhaust Gasket:	Fel-Pro# 1404 or 1405
Flow, Intake:	257 cfm @ .500" lift / 28"
Flow, Exhaust:	172 cfm @ .500" lift / 28"
Head Bolts:	Dart bolt kit PN# 66220011
Head Studs:	Dart stud kit PN# 66120011
Manifold:	Dart dual plane 42811000
Milling:	Min. 58cc = .060" (.0065" = 1cc) Flat Mill Angle mill .125" safely / .200" = 49cc 1.5° (carefully)
Pistons:	Most 23° aftermarket pistons.
Push Rod length:	Stock thru +.100" Should always measure (Stock length = 7.800")
Push rod Guide Plate:	Dart adjustable guide Plate PN# 27001410
Retainers:	Steel (10°) / 1.250" (7°)
Spark Plug:	Angle or straight, .750" reach, gasketed seat
Spring Pockets:	1.550" OD (.030" deeper max)
Springs:	Our Assembly: 1.250S = 120# @ 1.700" / .510" max 1.437D = 130# @ 1.800" / .600" max 1.550D = 215# @ 1.900" / .690" max
Valve Length:	STD 4.890" w/ 1.250 & 1.437 / 5.015" (+.100) w/ 1.550
Valve Stem Dia:	.3415" - 11/32"
Valve Train:	STD SBC 3/8" or 7/16" stud mount
Valve Guides:	.439" OD Int = Mag-bronze Exh = Mag-bronze (.002" press) .530 seal
Valve Guide length:	2.100"
Valve Guide clearance:	.0014" - .002" (with our .3415 dia. valve stem)
Valve Guide Spacing:	1.890" moved .030" from stock
Valve Seats:	Powdered Metal, .006" press
Valve Seat dim.	Int - 2.160"x 1.810" x .350" Exh - 1.650"x 1.350" x .350"
Valve Seat angles:	Int = 32° - 45° - 60° - 70° - 80° Exh = 37° - 45° - radius
Stud Girdle:	Dart stud girdle PN# 64110002
Torque:	Head Bolts = 70 ft/lb Rocker Studs = 55 ft/lb Manifold = 35 ft/lb
Block Use:	Any SBC Iron or Aluminum
Weight:	23 lbs Bare – 28 lbs Assembled