

**Dart**  **Platinum 227 CNC SBC 23° Aluminum Cylinder Head**

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| <b>Part#</b>                  | 11970040P – 11971143P  |
| <b>Material:</b>              | 355-T61 Alum alloy   |
| <b>Comb Chambers:</b>         | 66cc for 4.155” bore   |
| <b>Intake Valve Dia:</b>      | 2.08”  |
| <b>Intake Port volume:</b>    | 227cc  |
| <b>Intake Port Dim:</b>       | 2.200” x 1.310”  |
| <b>Int Port Location:</b>     | Stock  |
| <b>Intake Gasket:</b>         | Fel-Pro # 1206   |
| <b>Exh Valve Dia.:</b>        | 1.600”   |
| <b>Exh Port volume:</b>       | 85cc   |
| <b>Exhaust Port Dim:</b>      | 1.410” x 1.585” w  |
| <b>Exh Port Location:</b>     | Stock location & bolt pattern  |
| <b>Exhaust Gasket:</b>        | Fel-Pro # 1405   |
| <b>Flow, Intake:</b>          | 309cfm @ .700” lift / 28”  |
| <b>Flow, Exhaust:</b>         | 226cfm @ .700” lift / 28”  |
| <b>Head Bolts:</b>            | Dart bolt kit PN# 66220011   |
| <b>Head Studs:</b>            | Dart stud kit PN# 66120011   |
| <b>Manifold:</b>              | Dart Single Plane PN# 42411000   |
| <b>Milling:</b>               | Min. 63cc = .020” (.0065” = 1cc) Flat Mill<br>Angle mill .100” safely / .150” = 55cc (carefully) |
| <b>Pistons:</b>               | Most 23° aftermarket pistons.  |
| <b>Push Rod length:</b>       | Stock thru +.100” Should always measure (Stock length = 7.800”)                                  |
| <b>Push rod Guide Plate:</b>  | Dart adjustable guide Plate PN# 27001410   |
| <b>Retainers:</b>             | Titanium 10°   |
| <b>Spark Plug:</b>            | Angle .750” reach, gasket  |
| <b>Spring Pockets:</b>        | 1.550” OD (.030” deeper max)   |
| <b>Springs:</b>               | Our Assembly: 1.550D = 215# @ 1.900” / .690” max   |
| <b>Valve Length:</b>          | 5.015” (+.100”)  |
| <b>Valve Stem Dia:</b>        | .3415” - 11/32”  |
| <b>Valve Train:</b>           | STD SBC 3/8” or 7/16” stud mount   |
| <b>Valve Guides:</b>          | .439” OD Int = Mag-bronze Exh = Mag-bronze (.002” press)   |
| <b>Valve Guide length:</b>    | 2.100”   |
| <b>Valve Guide clearance:</b> | .0014” - .002” (with our .3415 dia. valve stem)  |
| <b>Valve Guide Spacing:</b>   | 1.890” moved .030” from stock  |
| <b>Valve Seats:</b>           | Powdered Metal, .006” press  |
| <b>Valve Seat dim.</b>        | Int - 2.160” x 1.810” x .350” Exh - 1.650” x 1.350” x .350”                                      |
| <b>Valve Seat angles:</b>     | Int = 32° - 45° - 60° - 70° - 80° Exh = 37° - 45° - radius                                       |
| <b>Stud Girdle:</b>           | Dart stud girdle PN# 64110002  |
| <b>Torque:</b>                | Head Bolts = 70 ft/lb<br>Rocker Studs = 55 ft/lb<br>Manifold = 35 ft/lb                          |
| <b>Block Use:</b>             | Any SBC Iron or Aluminum   |
| <b>Weight:</b>                | 23 lbs Bare – 28 lbs Assembled   |