

# **Dart FORD 195cc 20° Aluminum Cylinder Head**

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Part#</b>                  | 13200010                                                          |
| <b>Material:</b>              | 355T6 alum alloy                                                  |
| <b>Comb Chambers:</b>         | 62cc                                                              |
| <b>Intake Valve Dia:</b>      | 2.020"                                                            |
| <b>Intake Port volume:</b>    | 195cc                                                             |
| <b>Intake Port Dim:</b>       | 2.000"x 1.125"w                                                   |
| <b>Int Port Location:</b>     | Stock                                                             |
| <b>Intake Gasket:</b>         | Dart #65128000 or Fel-Pro# 1262                                   |
| <b>Exh Valve Dia.:</b>        | 1.600"                                                            |
| <b>Exh Port volume:</b>       | 65cc                                                              |
| <b>Exhaust Port Dim:</b>      | 1.350" x 1.350" w                                                 |
| <b>Exh Port Location:</b>     | Raised .135" Standard Ford pattern (2.00" bolt centers)           |
| <b>Exhaust Gasket:</b>        | Dart #65228000 or Fel-Pro# 1487                                   |
| <b>Flow, Intake:</b>          | 288cfm @ .700" / 285 @ .600" lift / 28"                           |
| <b>Flow, Exhaust:</b>         | 185cfm @ .600" & .700" lift / 28"                                 |
| <b>Head Bolts:</b>            | Dart & 351W block 1/2" OD ARP# 154-3603                           |
|                               | 302 block 1/2"-7/16" stepped washer ARP# 154-3605                 |
| <b>Head Studs:</b>            | Dart & 351W block 1/2" OD ARP# 154-4003                           |
|                               | 302 block 1/2"-7/16" stepped washer ARP# 154-4005                 |
| <b>Manifold:</b>              | Most with standard port location                                  |
| <b>Milling:</b>               | Min. 50cc (.0065" = 1cc) Flat Mill                                |
| <b>Pistons:</b>               | Most 20°aftermarket pistons.                                      |
| <b>Push Rod length:</b>       | Should always measure                                             |
| <b>Push rod Guide Plate:</b>  | Comp Cam # 4816 (flat)                                            |
| <b>Retainers:</b>             | Steel (10°)                                                       |
| <b>Spark Plug:</b>            | .750" reach, gasketed, Autolite AR3933                            |
| <b>Spring Pockets:</b>        | 1.550" OD (.050" deeper max)                                      |
| <b>Springs:</b>               | Our Assembly: 1.437D = 130# 1.800" (solid & hyd roller)           |
|                               | 1.550D = 195# 1.900" (solid roller)                               |
| <b>Valve Length:</b>          | Std 4.890" / 5.035" (+.100) roller                                |
| <b>Valve Stem Dia:</b>        | .3415" - 11/32"                                                   |
| <b>Valve Train:</b>           | Uses roller rockers 3/8" or 7/16" stud mount Jesel kit KCS-315123 |
| <b>Valve Guides:</b>          | .439" OD Mag-bronze (.002" press) .530 seal                       |
| <b>Valve Guide length:</b>    | 2.250"                                                            |
| <b>Valve Guide clearance:</b> | .0014" - .002" (with our .3415 dia. valve stem)                   |
| <b>Valve Guide Spacing:</b>   | 1.876" moved .055" from stock                                     |
| <b>Valve Seats:</b>           | Hardened Ductile Iron, .006" press                                |
| <b>Valve Seat dim.</b>        | Int - 2.160x 1.810 x .350 Ex - 1.650x 1.350x .350                 |
| <b>Valve Seat angles:</b>     | Int = 32°- 45°- 60°- 70° - 80° Ex = 37°- 45°- radius              |
| <b>Stud Girdle:</b>           | Must use specific girdle, stud location moved .030 from stock.    |
| <b>Torque:</b>                | 1/2" = 100 ft/lb                                                  |
|                               | Rocker Studs = 45 ft/lb      Manifold = 18 ft /lb                 |
| <b>Block Use:</b>             | Dart Iron or Aluminum & any Ford                                  |
| <b>Weight:</b>                | 23 lbs                                                            |