

Dart FORD 170cc 20° Aluminum Cylinder Head

Part#	13100080
Material:	355T6 alum alloy
Comb Chambers:	62cc
Intake Valve Dia:	1.940"
Intake Port volume:	170cc
Intake Port Dim:	1.980" x 1.100"w
Int Port Location:	Stock
Intake Gasket:	Dart #65128000 or Fel-Pro# 1262
Exh Valve Dia.:	1.600"
Exh Port volume:	65cc
Exhaust Port Dim:	1.330" x 1.340" w
Exh Port Location:	Raised .135" Standard Ford pattern (2.00" bolt centers)
Exhaust Gasket:	Dart #65228000 or Fel-Pro# 1487
Flow, Intake:	261 cfm @ .600" lift / 28"
Flow, Exhaust:	172 cfm @ .600" lift / 28"
Head Bolts:	Dart & 351W block 1/2" OD ARP# 154-3603
	302 block 1/2"-7/16" stepped washer ARP# 154-3605
Head Studs:	Dart & 351W block 1/2" OD ARP# 154-4003
	302 block 1/2"-7/16" stepped washer ARP# 154-4005
Manifold:	Most with standard port location
Milling:	Min. 50cc (.0065" = 1cc) Flat Mill
Pistons:	Most 20° aftermarket pistons.
Push Rod length:	Should always measure
Push rod Guide Plate:	Comp Cam # 4816 (flat)
Retainers:	Steel (10°)
Spark Plug:	.750" reach, gasketed, Autolite AR3933
Spring Pockets:	1.550" OD (.050" deeper max)
Springs:	Our Assembly: 1.437D = 130# 1.800" (solid & hyd roller)
	1.550D = 195# 1.900" (solid roller)
Valve Length:	Std 4.890" / 5.035" (+.100) roller
Valve Stem Dia:	.3415" - 11/32"
Valve Train:	Uses roller rockers 3/8" or 7/16" stud mount Jesel kit, KCS-315123
Valve Guides:	1/2" OD Mag-bronze (.002" press)
Valve Guide length:	2.250"
Valve Guide clearance:	.0014" - .002" (with our .3415 dia. valve stem)
Valve Guide Spacing:	1.876" moved .055" from stock
Valve Seats:	Hardened Ductile Iron, .006" press
Valve Seat dim.	Int - 2.160x 1.750 x .350 Ex - 1.650x 1.350x .350
Valve Seat angles:	Int = 32°- 45°- 60°- 70°- 80° Ex = 37°- 45°- radius
Stud Girdle:	Must use specific girdle, stud location moved .030 from stock.
Torque:	1/2" = 100 ft/lb
	Rocker Studs = 45 ft/lb Manifold = 18 ft /lb
Block Use:	Dart Iron or Aluminum & any Ford
Weight:	23 lbs