

# Dart FORD 170cc 20° Aluminum Cylinder Head

<b>Part#</b>	13100080 - 13111182
<b>Material:</b>	355-T61 alum alloy
<b>Comb Chambers:</b>	62cc
<b>Intake Valve Dia:</b>	1.940"
<b>Intake Port volume:</b>	170cc
<b>Intake Port Dim:</b>	1.980" x 1.100"w
<b>Int Port Location:</b>	Stock
<b>Intake Gasket:</b>	Fel-Pro # 1262
<b>Exh Valve Dia.:</b>	1.600"
<b>Exh Port volume:</b>	65cc
<b>Exhaust Port Dim:</b>	1.330" x 1.340" w
<b>Exh Port Location:</b>	Raised .135" Standard Ford pattern (2.00" bolt centers)
<b>Exhaust Gasket:</b>	Fel-Pro # 1487
<b>Flow, Intake:</b>	261 cfm @ .600" lift / 28"
<b>Flow, Exhaust:</b>	172 cfm @ .600" lift / 28"
<b>Head Bolts:</b>	Dart PN# 66230010 (7/16 w/ inserts) Dart PN# 66230011 (Std. 1/2")
<b>Head Studs:</b>	Dart PN# 66130021 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>	Dart adjustable PN# 27001410
<b>Retainers:</b>	Steel (10°)
<b>Spark Plug:</b>	.750" reach, gasketed
<b>Spring Pockets:</b>	1.550" OD (.050" deeper max)
<b>Springs:</b>	Our Assembly: 1.437D = 130# 1.800" 1.550D = 215# 1.900"
<b>Valve Length:</b>	STD 4.890" / 5.015" (+.100) roller
<b>Valve Stem Dia:</b>	.3415" - 11/32"
<b>Valve Train:</b>	Uses roller rockers 3/8" or 7/16" stud mount
<b>Valve Guides:</b>	1/2" OD Mag-bronze (.002" press)
<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 .050" from stock
<b>Valve Seats:</b>	Powdered metal, .006" press
<b>Valve Seat dim.</b>	Int - 2.160x 1.750 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>	Jomar Performance #1123
<b>Torque:</b>	1/2" = 100 ft/lb Rocker Studs = 45 ft/lb      Manifold = 18 ft /lb
<b>Block Use:</b>	Dart I.E, Sportsman, SHP or Aluminum.
<b>Weight:</b>	23 lbs bare – 26 lbs assembled