



BBC 290 specifications

11/32" Intake Valve, 2.250" x 5.500" O.A.L
11/32" Nail Head Exhaust Valve, 1.880" x 5.450" Overall Valve Length
Racing Springs#1940 1.550" O.D. Hydraulic Roller Dual Valve Spring, 175 lbs. on seat, .725" maximum lift, 473lbs @ .600 lift, Max RPM 6500-6700
Racing Spring 1.550 O.D. Solid Roller Valve Spring, 220lbs on seat, .710" Maximum Lift, Max RPM 7200-7400 (upgrades available)
10° Steel Retainers 1.500" O.D x 1.120" I.D x .705" I.D
10° 11/32" Valve Locks with lashcap recess
7/16" Rocker Exhaust Studs
7/16" Rocker Intake Studs
3/8" Guide Plates
11/32" Viton Valve Seals
Hardened Valve Spring I.D Locator 1.550" O.D x .780" I.D
Intake Valve Seats 2.450" O.D x 1.950" I.D x .375" Deep
Exhaust Valve Seats 2.000" O.D x 1.580" I.D x .375" Deep
11/32" Intake Bronze Valve Guides .502" O.D x 2.10" O.A.L
11/32" Exhaust Bronze Valve Guides .502" O.D x 2.25" O.A.L

Specifications & Features:

Material A356.2 Aluminum
Intake Port Volume 290cc
Intake Port Dimension 2,030"H x 1,830"W x 1/2 Radius
Intake Port Location Stock
Exhaust Port Volume 135cc
Exhaust Port Dimension 1,770"H x 2,010"W
Exhaust Port Location 375" Raised
Combustion Chamber Size 112cc
Valve Cover Bolt Pattern Perimeter Bolt
Valve Angle 24°/4° Int, 15°/4° Exh
Valve Spring Pocket Diameter 1,725" O:D
Max Valve Spring Pocket Machining 1,750" O:D
Deck Thickness 750"
Minimum Bore Diameter 4,250"
Flat Mill 006" per cc/ Maximum 102cc
Angle Mill 009" per cc/ Maximum 97cc

Note: Angle mills might require a .120" Thick intake gasket.

Minimum Cross Sectional Area 2,895 sq. In
Spark Plug Dimensions 14 mm x 750" w/Gasket Seat

recommended for moderate street or street/strip big block chevys with displacements up to 509 cubic inches, operating at or below 6500 RPM