

**BBC 290 specifications**

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| 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 -not included |
| 7/16" Rocker Intake Studs – not included |
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| 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 |
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| **Specifications & Features:**   |  | | --- | | Material A356.2 Aluminum | | Intake Port Volume 290cc | | Intake Port Dimension 2,030”H x 1,830”W x1/2 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 | | |