

**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:**

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| 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.

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| Minimum Cross Sectional Area 2,895 sq. In |
| Spark Plug Dimensions 14 mm x 750” w/Gasket Seatrecommended for moderate street or street/strip big block chevys with displacements up to 509 cubic inches, operating at or below 6500 RPM |

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