



440-1 440-C

Aluminum

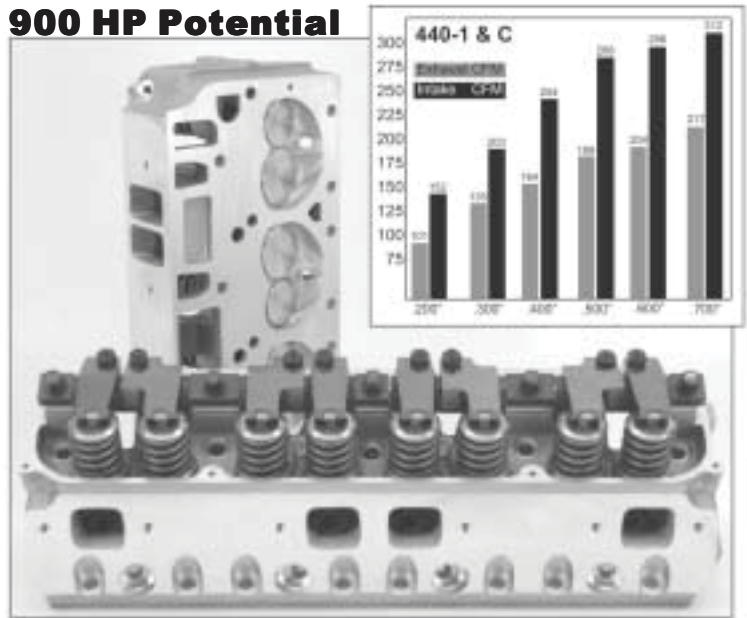
Cast Iron

900 HP Potential

WEDGE

ORIGINAL ANSWERS FOR ORIGINAL QUESTIONS

- 440-1 aluminum head; 440-C cast iron head
- Should be purchased in kit form (440-1K or 440-CK)
- 440-1K or CK includes everything between block and carb
- Assembled heads come with hydraulic, solid, or roller springs good up to .650" lift
- Recommended 10 degree locks for solid or roller cam
- Customer must supply cam specs
- Uses .800" offset Indy 440-5I intake rocker (1.5 or 1.6 ratio)
- Machined for stock rocker shafts or Jesel rockers
- Valve angle is stock 15 degrees, stock valve location
- Stock 440 exhaust bolt pattern (raised exhaust port, may need custom headers)
- Intake port volume 310cc
- Intake volume is 110cc bigger than stock head
- Exhaust port volume 110cc
- Intake valve diameter 2.19" - 5.344" overall length
- Exhaust valve diameter 1.81" - 5.370" overall length
- 2.25" intake valve diameter is optional
- 75cc combustion chamber volume (heart shaped)
- Flat mill .006" per combustion chamber cc
- Can be milled to 62cc
- 2" spring height, spring seats 1.550", can cut 1.625"
- Head gasket: Fel-Pro #1009
- Intake gasket Indy #216
- Exhaust header gasket Indy #221
- Head bolts: Manley #440-16
- Head studs: ARP #440-17
- Valve guides 11/32 solid bronze
- 3/4 reach gasket seat spark plugs
- Champion C57CX (cold) to C63CX (hot)
- Accepts all indy intake manifolds
- Head bolt torque 70ft lbs.
- Rocker shafts 25-30 ft. lbs.



The place was Columbus, OH in 1992 at the Nationals. Indy introduced the 440-1 head and manifold combination that soon became the most popular power for the 440 wedge engine. With the newly designed heart shaped combustion chamber it is still the best selling package at Indy Cylinder Head. Transforming power deprived combinations into serious street/strip machines. The best use of the 440-1 is a 451" to 540" bracket engine. It makes the perfect engine for the serious bracket racer. 650HP to 850HP with one carb, it makes great torque and has low shift points. Purchase complete kit for engineered compatibility.

LONG VALVE DESIGN - FEEL THE POWER!

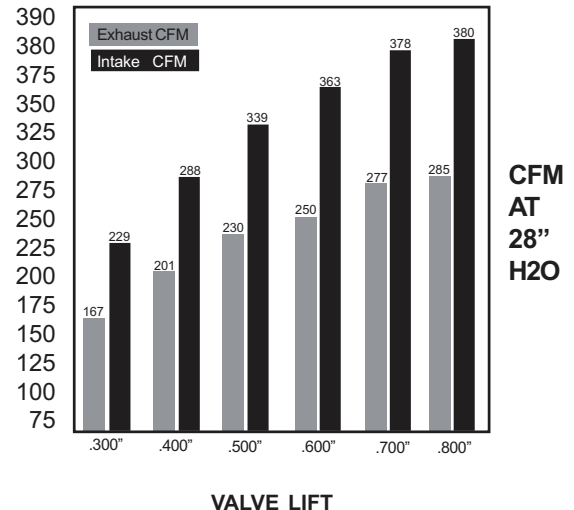
NOTE: 440-C cast iron same head as the 440-1 aluminum except for the weight. Engine will weigh 80 lbs more when built with 440-C heads.

- 7/16-14 Jesel rocker bolts 50 ft. lbs.
- 440-1 or 440-C heads with Indy valves, no block or head milling, use the following push rod lengths:
 - RB solid 9.750" -B solid 9.000"
 - RB hydraulic 9.500" -B hydraulic 8.750"
- Roller cam push rod length must be checked!
- Best engine range 451 cid to 540 cid



440-1CNC 325 or 345cc Intake Runner

Full CNC Porting 440-1 345cc



To order call 317-862-3724 Fax 317-862-6300 www.indyheads.com

Not legal for sale or use on pollution controlled motor vehicles

