

ALUMINATOR 46X POWERED BY FORD RACING

Build it your way! The Ford Racing 46X Modular Stroker shortblock is a great way to build modular power – from mild to wild – naturally aspirated or supercharged – 2 valve - 3 valve or 4 valve!

Ford Racing Engineers have taken care of the toughest part of building a new engine by designing a strong durable shortblock that offers a wide range of power possibilities. Ford Racing uses only the best parts, forged steel crankshaft, forged H-beam connecting rods with floating piston pins and forged pistons. And every Ford Racing 46X Modular Stroker shortblock is hand assembled in the U.S. with performance clearances.

The block is bored and stroked to 5.0 liters and fitted with a premium Eagle forged crankshaft and connecting rods. Mahle forged pistons fill the bores and the rotating assembly is precision internal balanced and ready to be finished for your specific application.

- 4.6 based Modular short block bored and stroked to 5.0L – that is a 21 cubic inch increase.
- Precision re-manufactured 2005-2010 Mustang aluminum block with new silver finish
- Mahle® forged aluminum pistons - 0.5 mm overbore, with 10 cc dish and reliefs for 3 valve pistons
- Eagle® 3.750" stroke forged steel crankshaft with 8 bolt flywheel pattern
- Eagle® 5.850" forged steel "H" beam rods with ARP 2000 bolts
- New high pressure Melling oil pump
- Neutral balance rotating assembly
- Designed for 2, 3 or 4 valve cylinder head combinations (piston to valve check required depending on camshaft)
- Piston to Deck height clearance is 0.012" below (nominal)
- Recommended cylinder head fastener kits M-6067-D46/M-6067-3V46 depending on application
- Assembled and ready for your heads, valvetrain and intake

**EAGLE H-BEAM
RODS**



**MAHLE FORGED
PISTONS**



**OEM 4.6L
WINDAGE TRAY**



**EAGLE FORGED
CRANKSHAFT**



**MELLING GEROTOR
OIL PUMP**



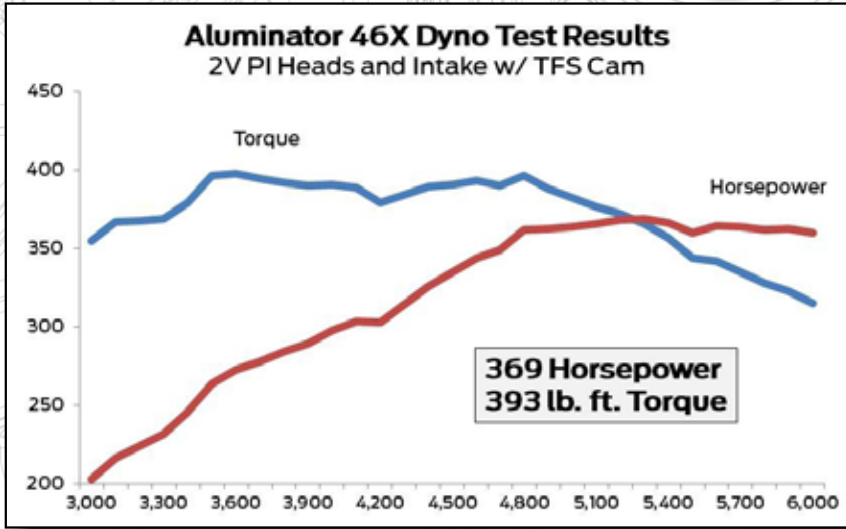
46X ENGINE DYNOS RESULTS



2V NA

2-Valve Naturally Aspirated

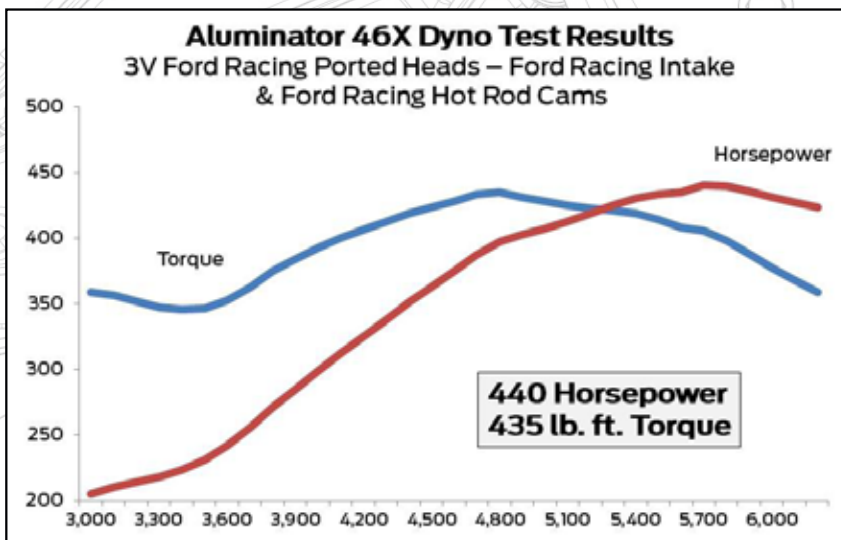
- Production 2-Valve PI Heads M-6049-P46, M-6050-P46
- Production PI Intake with with M-9926-D462 70mm Single Throttle Body
- Trick Flow Specialties Cam - .550" Lift - 228/230 Degree Duration @.050" Lift (PN TFS-51802001)
- 369 Horsepower
- 393 Lb. Ft. Torque



3V NA

3-Valve Naturally Aspirated

- Ford Racing 3-Valve Ported Heads M-6049-P463VP3, M-6050-P463VP3
- Ford Racing M-9424-463V Intake with M-9926-3VM Twin 62 mm Throttle Body
- Ford Racing M-6550-3V Hot Rod Cams - .472" Lift - 221/240 Degree Duration @.050" Lift
- 440 Horsepower
- 435 Lb. Ft. Torque



3V SC

3-Valve Supercharged

- Ford Racing 3-Valve Ported Heads M-6049-P463VP3, M-6050-P463VP3
- Ford Racing M-6550-3V Hot Rod Cams
- Ford Racing 2.3L Supercharger with M-9926-3VM Twin 62 mm Throttle Body
- 748 Horsepower
- 667 Lb. Ft. Torque

