



# CATHEDRAL BLACK LABEL HEAD - MEDIUM BORE

## BLACK LABEL 245CC MEDIUM BORE CATHEDRAL

**BLACK LABEL - CATHEDRAL PORT 245CC 4.000"(+) BORE**

### AVAILABLE PART NUMBERS

- CH-LT1-600185 - BARE HEAD (SINGLE)
- CH-LT1-600204 - HEAD (PAIR) W/ STAINLESS STEEL VALVES
- CH-LT1-600231 - HEAD (PAIR) W/ TITANIUM INTAKE & STAINLESS STEEL EXHAUST

## AIRFLOW CFM DATA

CH-LT1-600185 - CATHEDRAL PORT 245CC - 4.000"(+) BORE

Port Location	0.100	0.200	0.300	0.400	0.500	0.600	0.700
INTAKE	72	139	216	274	320	355	358
EXHAUST	53	102	140	195	223	237	245

## CYLINDER HEAD SPECS

### DIMENSION SPECS

- BORE SIZE: **4.000"**
- WEIGHT: **28.5 LBS.**
- INTAKE VALVE SIZE: **2.165"**
- EXHAUST VALVE SIZE: **1.600"**
- VALVE STEM DIA.: **5/16"**
- VALVE LENGTH: **5.450"**
- VALVE ANGLE: **11°**
- VALVE SPRING POCKET DIA.: **1.650"**
- VALVE SPRING INSTALL HEIGHT: **1.800"**
- HEAD STUD SIZE: **.493"**
- VALVE GUIDE OD: **.565"**
- VALVE JOB TYPE: **NEWEN CNC 5 ANGLE**

### AIRFLOW SPECS

- CHAMBER SIZE: **70CC**
- INTAKE PORT VOLUME: **245CC**
- EXHAUST PORT VOLUME: **106CC**
- PORT TYPE: **CNC**

### MATERIAL SPECS

- CYLINDER HEAD MATERIAL: **A356-T6 ALUMINUM**
- INTAKE VALVE SEAT MATERIAL: **DUCTILE IRON**
- EXHAUST VALVE SEAT MATERIAL: **DUCTILE IRON**
- DECK THICKNESS: **.750"**
- ROCKER STAND TYPE: **MAST BILLET**
- ROCKER ARM TYPE: **OE LS3 1.7 OR AFTERMARKET**
- VALVE GUIDE MATERIAL: **PHOSPHOR BRONZE**

### GENERAL SPECS

- ROCKER STAND: **INCLUDED**
- ROCKER STAND DOWELS: **INCLUDED**
- USES STOCK ROCKER BOLTS? **NO**
- ROCKER BOLTS: **NOT INCLUDED**
- HEAD BOLT QTY.: **6 BOLT STYLE**
- VALVE COVER RAIL HEIGHT: **+1/2"**
- CAN USE OE VALVE COVER? **YES**

### CUSTOM OPTIONS AVAILABLE

- HEAD ASSEMBLY
- CHAMBER SOFTENING
- CUSTOM CHAMBER SIZING
- 1/2 HEAD STUD CLEARANCE
- COPPER INTAKE & EXHAUST VALVE SEATS



# CYLINDER HEAD ADD-ONS

## VALVE SPRING KITS

VS-LSX-600294 - LS PERFORMANCE BEEHIVE VALVE SPRING KIT - 0.625 LIFT

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VS-LSX-100131 - PREMIUM DUAL VALVE SPRING & TITANIUM RETAINER KIT

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VS-LSX-100134 - DUAL VALVE SPRING & TITANIUM RETAINER KIT - 0.750 LIFT

## ROCKER KITS

RK-LSX-600268 - LS3 ROCKER KIT W/ CHE TRUNNION & ROCKER BOLTS

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RK-LSX-981111 - JESEL ROCKER SYSTEM - MEDIUM BORE "INLINE PATTERN"

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