



# Trick Flow Super 23™ 230 Cylinder Heads

## General Specifications

- Material: A356-T6 Aluminum alloy
- Combustion Chamber Volume: 70cc CNC-profiled
- Intake Port Volume: 230cc CNC Street Ported
- 230cc CNC Competition Ported
- Intake Port Location: Stock
- Intake Port Dimensions: 1.300" x 2.230"
- Intake Valve Diameter: 2.080" (TFS-32400211)
- Intake Valve Seat Material: Ductile iron (TFS-32410271)
- Exhaust Port Volume: 78cc CNC Street Ported
- 78cc CNC Competition Ported
- Exhaust Port Dimensions: 1.490" x 1.490" D-shape
- Exhaust Flange Pattern: Standard Chevy
- Exhaust Valve Diameter: 1.600" (TFS-32400212)
- Exhaust Valve Seat Material: Ductile iron (TFS-30600274)
- Valve Angle: 23°
- Plug Position: Angle plug
- Spring Pocket Diameter: 1.615 "
- Valve guide material: Manganese bronze (intake TFS-32400251, exhaust TFS-32400252)
- Seals: Viton® fluoroelastomer (TFS-51400454)
- Retainers: 10° x 1.550" OD chromoly steel (TFS-21400425)  
10° x 1.550" OD titanium (TFS-214T0520)
- Locks: 10° machined steel with lash cap recess (TFS-52400444)
- Springs:     Standard:         1.550" O.D. Dual spring with damper, (TFS-16094-16)  
  138lbs @ 1.950" installed height  
  430 lbs. @ 1.250" open  
  420 lbs per inch rate  
  .680" maximum valve lift  
  Optional:         1.550" O.D. Double spring with damper, (TFS-16324-16)  
  215lbs @ 1.950" installed height  
  550 lbs. @ 1.270" open  
  460 lbs per inch rate  
  .700" maximum valve lift
- Guide Plates: 5/16" (TFS-30400623-8)
- Rocker Arm Studs: 7/16" (TFS-51400614)
- Minimum Bore Diameter: 4.000"
- Maximum intake valve size: 2.10"



## Recommended Parts

- Rocker Arms:    TFS-31400520 (1.5 ratio, 7/16" studs)  
                  TFS-31400521 (1.6 ratio, 7/16" studs)
- Gaskets:        Intake: Fel-Pro 1206 or 1266  
                  Exhaust: Fel-Pro 1406  
                  Head Gasket: TFS-30494200-040  
                  Note: Must use head gaskets with 4.155" or larger bore diameter.
- Head Bolts:     TFS-92000
- Spark Plug:     Autolite 3922

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## **Ultimate Bolt-On Performance® Lifetime Warranty**

**Trick Flow Specialties cylinder head castings are backed by a lifetime warranty. If a cylinder head casting fails to provide the original purchaser with complete satisfaction, Trick Flow Specialties will repair or replace it free of charge — guaranteed!**

Moreover, the valves, valve guides, valve seats, valve job, valve springs, valve spring retainers, valve locks, rocker arm studs, guideplates, and valve stem seals included on assembled Trick Flow Specialties cylinder heads are warranted to the original purchaser to be free from defects in materials and workmanship for a period of two years from the date of purchase. All other Trick Flow Specialties products are warranted to be free from defects in materials and workmanship for a period of 90 days. There are no mileage limitations.

### **Extent of Warranty**

Customers who believe they have a defective product should return it to the dealer from which they purchased or ship it freight prepaid to Trick Flow Specialties along with proof of purchase and a complete description of the problem. If a thorough inspection indicates defects in materials or workmanship, our sole obligation is to repair or replace the product.

This warranty is only if the product is properly installed, subjected to normal use and service, did not fail due to owner negligence or misuse, and has not been altered or modified.

Trick Flow Specialties warranties do not cover any installation or removal costs.

Trick Flow Specialties is not liable for consequential damages for breach of contract of any warranty in excess of the purchase price of the product sold.

### **PROPOSITION 65 WARNING**

This product may contain one or more substances or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

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