



## Harrop Engineering is proud to announce the launch of a comprehensive program involving the design and procurement of our own range of USA billet based camshafts and valve-train components.

The new camshaft range is a Harrop Engineering exclusive, the company utilising the experience gained during 60 plus years of involvement at the leading edge of automotive performance upgrades, with grind designs specific to the LS range of engines as fitted to many VT to VF model Commodore and HSV models.

All Harrop camshaft grinds can of course be used in retro-fit applications where the LS engine is transplanted into any number of other makes and models.

The camshaft is pivotal to the operation of any piston engine, and in the case of either the 'square port' or

'cathedral port' LS range, potential power gains are nothing short of astonishing. Unlike most factory supplied camshaft grinds that deliver a relatively flat power and torque curve, the Harrop range is designed to optimise LS engine performance for applications including greater low end power, greater mid or high rpm output with both normally aspirated and forced induction (Supercharged) applications. It all comes down to what a customer is looking to achieve.

Harrop Engineering's Camshaft program kicks off with 6 custom profiles designed to suit a range of applications, whether auto, manual, N/A or supercharged, noting that new grinds will be added in the coming months.

Coinciding with the camshaft launch, Harrop has invested in a range of high quality American manufactured valve-train components to enable workshops and consumers alike to equip their engines with anything from a simple camshaft swap to a full blown package incorporating necessary items such as push rods, valve springs, timing chains and more.

# HARROP CAMSHAFT

## Technical Guide



### Components included

Base Harrop Camshaft kits (suit all LS engines) includes;

- Harrop camshaft
- Hi-RPM Hi-Lift PAC Valve springs
- Chrome moly Pushrods
- 3 bolt cam gear
- ARP cam bolts
- ARP balancer bolt



HARROP CAMSHAFT KIT (BASE)

Additional valve-train items;

- AFM delete kit
- Double valve spring kit
- Standard replacement lifters
- Tie-bar lifters
- Lifter guides and bolts
- GM Oil pump (Standard and Hi-Volume)
- Single row timing chain sets
- Head gaskets and bolts



TIE-BAR LIFTERS



DOUBLE VALVE SPRING KIT

### Product Specifications

- US Billet Steel Camshaft blanks
- Valve-train ancillaries sourced from renowned providers of high quality components.

### Recommended usage

- Suits LS equipped GM/HSV models from VT-VF and all other LS retro-fitted vehicles.
- Harrop Camshaft kits are designed to suit a wide range of applications including street, circuit, strip and of course for everyday driving.



SINGLE ROW TIMING CHAIN SETS



AFM DELETE KIT

ENGINEERING PERFORMANCE SINCE 1955