

# 4600238

hot street - dirt track

Opel CIH (1.6 > 2.4L)

I-4cyl 2.0L 8v SOHC (FTH/FTH)



## intake

## exhaust

### camshaft data:

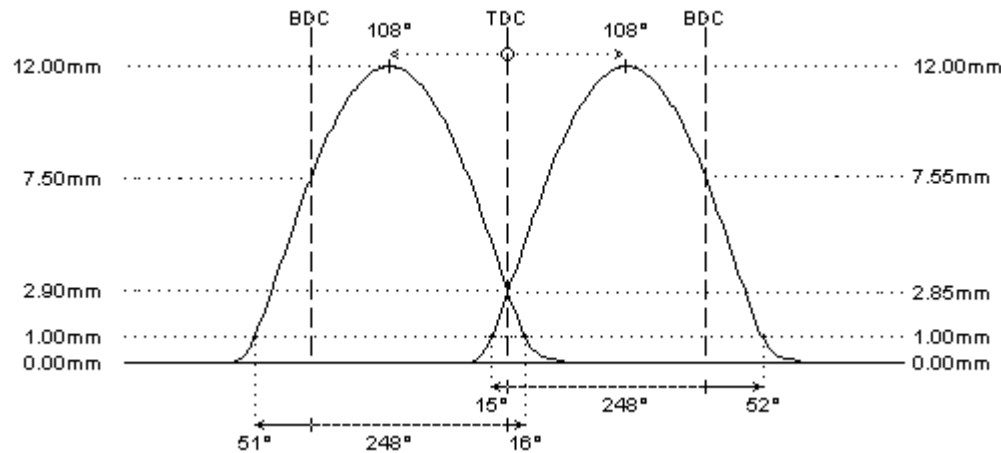
lash ramp	: hydro	hydro
duration @ 0.1mm	: 291°	291°
duration @ 1.0mm	: 247°	247°
valve lift	: 12.00mm	12.00mm
cam lift	: 8.00mm	8.00mm
lobe angle	: 108°	108°
timing @ 1.0mm	: 15° / 52°	51° / 16°
valve lift @ TDC	: 2.85mm	2.90mm

### parts setup:

cam wheels :	:  TOPCIH	:  TOPCIH
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	:  PAC-S90006	:  PAC-S90007
interior spring		
fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

### REMARKS :

# in most engines, the std valve springs can be replaced by PAC-S99006 (intake) and PAC-S99007 (exhaust) without further modifications.



### REMARKS :

- # - chilled cast iron camshafts
- # Valve lift and timing specifications assume fixed rocker arm ratio of RR1,500. This can be obtained by replacing the O.E.M. rocker arms by the Catcams Roller rocker arms.
- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
  - the camshafts must turn smooth in the cylinderhead, provide free travel by machining where needed
  - distance between valve seal and retainer at full lift must be 0.6mm at least
  - minimum valve spring travel of 1.0mm at full lift must be provided
  - distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors