

# 2280368

oval racing

Ford TL20H Pinto

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



## intake

## exhaust

### camshaft data:

|                  |             |           |
|------------------|-------------|-----------|
| lash ramp        | : 0.35mm    | 0.35mm    |
| duration @ 0.1mm | : 308°      | 308°      |
| duration @ 1.0mm | : 262°      | 262°      |
| valve lift       | : 13.15mm   | 13.15mm   |
| cam lift         | : 7.95mm    | 7.95mm    |
| lobe angle       | : 108°      | 108°      |
| timing @ 1.0mm   | : 25° / 57° | 57° / 25° |
| valve lift @ TDC | : 4.45mm    | 4.45mm    |

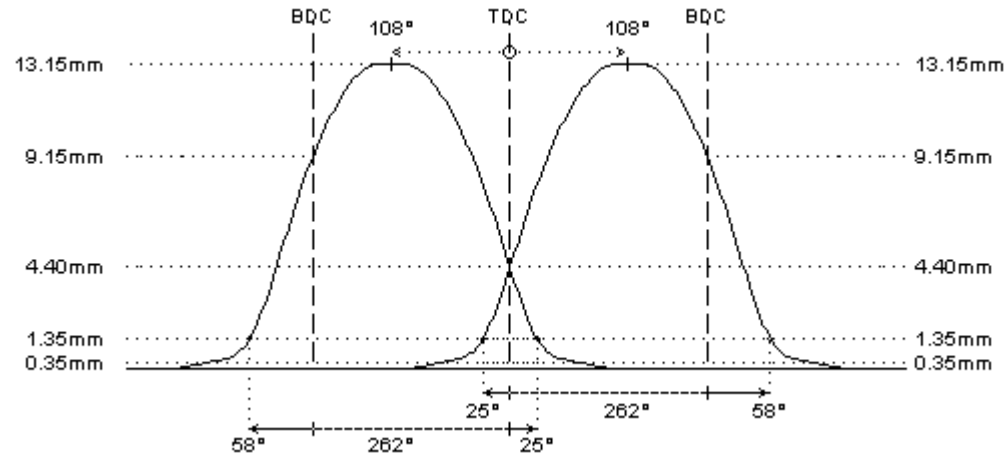
### parts setup:

|                 |                     |                     |
|-----------------|---------------------|---------------------|
| cam wheels :    | : <b>CSK5282</b>    | : <b>CSK5282</b>    |
| follower        | : <b>CAT004/C</b>   | : <b>CAT004/C</b>   |
| 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  | : <b>99326</b>      | : <b>99326</b>      |
| lower retainer  | : <b>remove</b>     | : <b>remove</b>     |
| exterior spring | : <b>PAC-E95009</b> | : <b>PAC-E95009</b> |
| interior spring | : <b>PAC-I95009</b> | : <b>PAC-I95009</b> |

|                      |                  |                  |
|----------------------|------------------|------------------|
| fitted load / length | : 36kg @ 35.0mm  | : 36kg @ 35.0mm  |
| max. load / lift     | : 112kg @ 14.0mm | : 112kg @ 14.0mm |

### REMARKS :

# if required, machine cylinder head and / or use solid shims to adjust spring load #  
ALWAYS use CAT004/C race cam followers (low friction coating)



### REMARKS :

- # steel billet camshafts
- # 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 use in competition engines with independent engine management (throttle position sensor) or carburettors
- # FLAT NOSE cam design
- # maximum 8000rpm on single valve spring