

7101705

tarmac rally - race

Toyota 2ZZ-GE VVTL-i

I-4cyl 1.8L 16v DOHC (RP/RP)



intake

exhaust

camshaft data:

lash ramp	: 0.23mm	0.25mm
duration @ 0.1mm	: 310°	294°
duration @ 1.0mm	: 260°	252°
valve lift	: 13.75mm	13.00mm
cam lift	: 7.80mm	7.45mm
lobe angle	: 130°	102°
timing @ 1.0mm	: -0° / 80°	48° / 24°
valve lift @ TDC	: 1.25mm	4.50mm

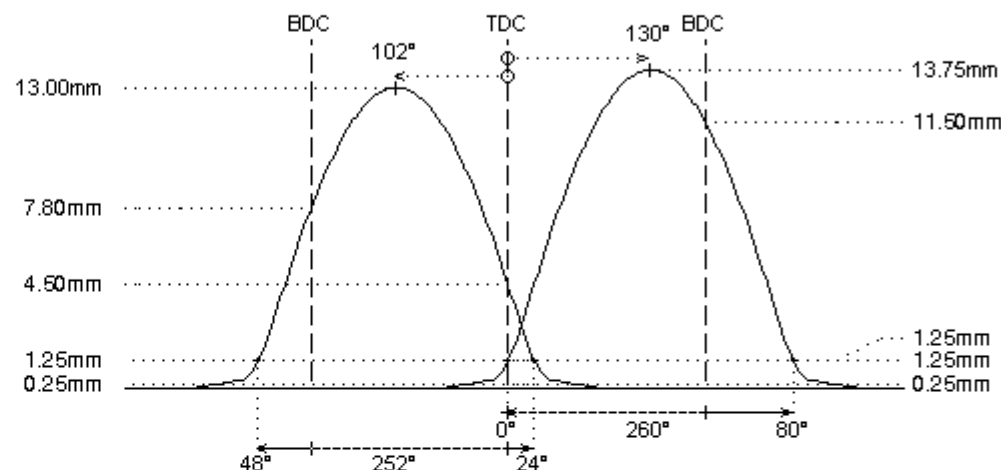
parts setup:

cam wheels :	:	:
follower	: CAT008	: CAT008
valve lash	: TS100	: TS100
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99527/s	: 99527/s
lower retainer	: 99528/O	: 99528/O
exterior spring	: PAC-E19864	: PAC-E19864
interior spring	: PAC-I19864	: PAC-I19864

fitted load / length	: 28kg @ 34.0mm	: 28kg @ 34.0mm
max. load / lift	: 89kg @ 14.5mm	: 89kg @ 14.5mm

REMARKS :

Use valve locks of Renault Clio RS



REMARKS :

- # - Cat Cams VTEC Eliminator system
- extra long contact area for higher lift / duration ratio
- coated billet cams & rocker arms
- mass of 46gr only - 16gr at valve tip
- # valve seals must be lowered. Distance between valve seal and retainer must be at least 0.6mm at full lift.
- # Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors