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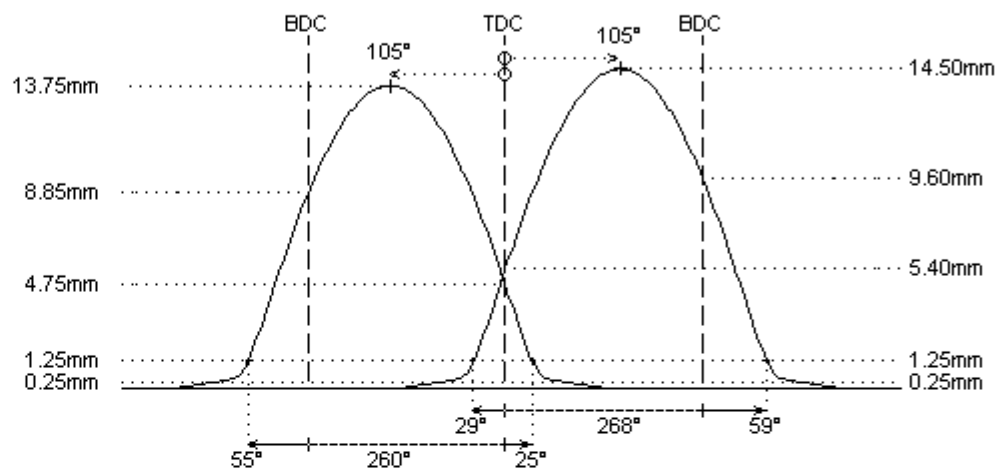
tarmac rally - race

Renault F4R.730 Clio II (VVT in, 172/180hp)

I-4cyl 2.0L 16v DOHC (RPRH/RPRH)



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 310°	302°
duration @ 1.0mm	: 268°	260°
valve lift	: 14.50mm	13.75mm
cam lift	: 10.10mm	9.65mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 29° / 59°	55° / 25°
valve lift @ TDC	: 5.40mm	4.75mm
parts setup:		
cam wheels :	CTRE006	CTRE006
follower :	CAT005	CAT005
valve lash :	TS100	TS100
valve :	: O.E.M.	: O.E.M.
valve locks :	: O.E.M.	: O.E.M.
upper retainer :	99536	99536
lower retainer :	99528	99528
exterior spring :	PAC-E19864	PAC-E19864
interior spring :	PAC-I19864	PAC-I19864
fitted load / length	: 29kg @ 33.5mm	: 29kg @ 33.5mm
max. load / lift	: 90kg @ 14.5mm	: 90kg @ 14.5mm



REMARKS :

- # - camshafts for use with **CATCAMS slipper kit** (cam lobes are not compatible with other rocker arm systems)
- cylinder head need to be machined to fit the rocker arm system (service available from CATCAMS)
- please indicate if VVT on intake (like original) should be remained

- # **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

REMARKS :

- # cam follower setup for CAT CAMS slipper follower kit:
- # slipper cam follower: CAT005
- connector shaft: CAT006
- cam follower post: CAT007
- lash cap: TS-100 (lash adjustment on valve tip)

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