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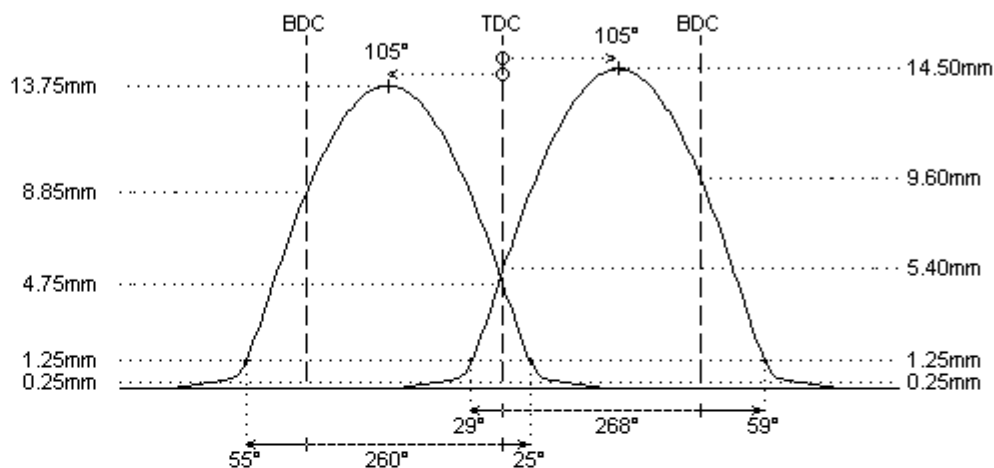
full race

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/O	: 99528/O
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)
- order 55065xx if vvt on intake needs to be deleted (2 adjustable cam pulleys)
- order 55066xx if vvt remains operational (only 1 adjustable cam pulley on exhaust camshaft)

- # **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

- # - valve clearance is to be adjusted using mechanical lash caps
- please make sure that the lash cap does not touch the valve locks !

- # stand alone ECU based on throttle position sensor required

REMARKS :

- # cam follower setup for CAT CAMS slipper follower kit:
- # 16x slipper cam follower: CAT005
- 8x connector shaft: CAT006
- 16x cam follower post: CAT007
- 16x lash cap: TS-100 (lash adjustment on valve tip)
- 8x valve seal 92VS1002
- 8x valve seal 92VS1003

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