

4600893

tarmac rally - race

Opel C20XE without distributor (DIS)

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



intake **exhaust**

camshaft data:

lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 285°	277°
duration @ 1.0mm	: 252°	244°
valve lift	: 13.25mm	12.75mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 20° / 52°	48° / 16°
valve lift @ TDC	: 3.90mm	3.35mm

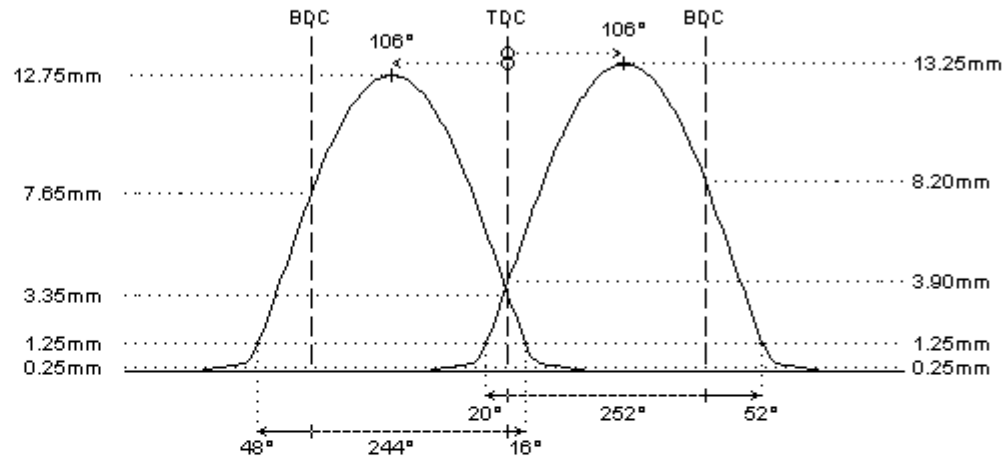
parts setup:

cam wheels :	CTOP031	CTOP031
follower	CC004	CC004
valve lash	TS102	TS102
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	99341	99341
lower retainer	remove	remove
exterior spring	PAC-E12009	PAC-E12009
interior spring	PAC-I12009	PAC-I12009

fitted load / length	: 32kg @ 33.5mm	: 32kg @ 33.5mm
max. load / lift	: 102kg @ 14.0mm	: 102kg @ 14.0mm

REMARKS :

replace OEM lower retainer to obtain a correct installation / fitted length (currently not available)



REMARKS :

- # - profiles for conversion to mechanic race cam followers
- camshafts available in cast iron or optional gundrilled steel billet (short competition version without distributor drive end)
- # - valve clearance is to be adjusted using mechanical lash caps
- please make sure that the lash cap does not touch the valve locks !
- # 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