

7640246

tarmac rally - race

Volkswagen hydraulic tappets, 8mm valves, MK-8H

I-4cyl 1.8L 8v SOHC (DTH/DTH)



intake

exhaust

camshaft data:

lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 290°	290°
duration @ 1.0mm	: 255°	255°
valve lift	: 13.25mm	13.25mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 22° / 53°	54° / 21°
valve lift @ TDC	: 4.30mm	4.15mm

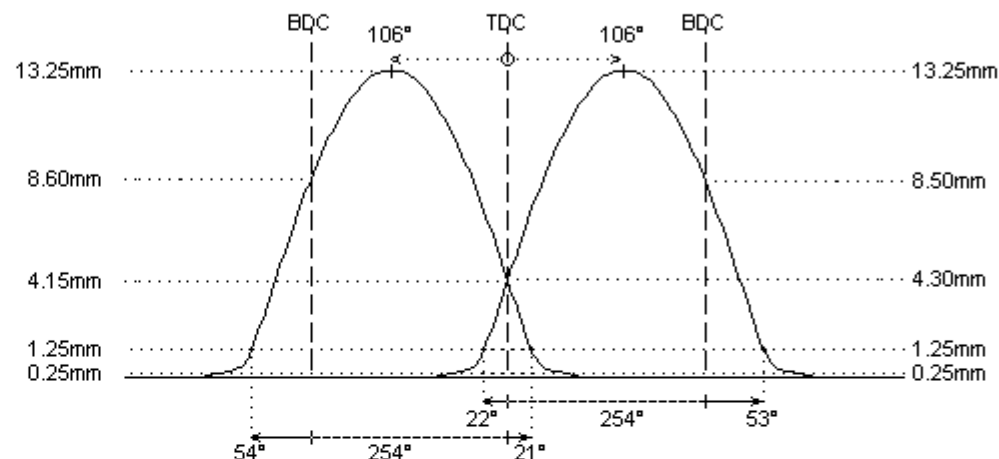
parts setup:

cam wheels :	: CCR3232	: CCR3232
follower	: CC005	: CC005
valve lash	: TS103	: TS103
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99320	: 99320
lower retainer	: remove	: remove
exterior spring	: PAC-E92009	: PAC-E92009
interior spring	: PAC-I92009	: PAC-I92009
fitted load / length	: 32kg @ 34.2mm	: 32kg @ 34.2mm
max. load / lift	: 101kg @ 14.0mm	: 101kg @ 14.0mm

REMARKS :

if required, use extra shims to increase spring load

use PAC-D12009 (GOLD quality) for applications over 12.5mm valve lift / 8500rpm



REMARKS :

- # to use these camshafts in cylinderheads with hydraulic followers in O.E.M. version:
 - change hydraulic followers for mechanical tappets (ref. CC005)
 - use cam base circle diameter of maximum **34mm (SPECIFY WHEN ORDERING)**
- # 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