

# 7604104

tarmac rally - race

Volkswagen CBT,CBU 170hp (07K) vvt in

I-5cyl 2.5L 20v DOHC



**intake**                      **exhaust**

### camshaft data:

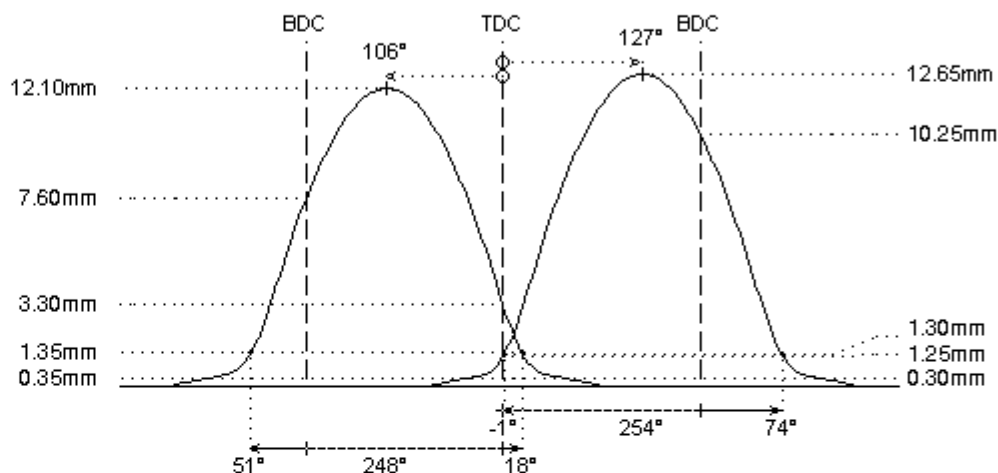
lash ramp	: 0.30mm	0.33mm
duration @ 0.1mm	: 302°	300°
duration @ 1.0mm	: 253°	249°
valve lift	: 12.65mm	12.10mm
cam lift	: 7.50mm	7.15mm
lobe angle	: 127°	106°
timing @ 1.0mm	: -1° / 74°	51° / 18°
valve lift @ TDC	: 1.25mm	3.30mm

### parts setup:

cam wheels :	:	:
follower	:  CC084	:  CC084
valve lash	:  TS103	:  TS103
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	:  99545/s	:  99545/s
lower retainer	:  99548/O	:  99548/O
exterior spring	:  PAC-E99865	:  PAC-E99865
interior spring	:  PAC-I99865	:  PAC-I99865

fitted load / length	: 30kg @ 31.0mm	: 32kg @ 30.4mm
max. load / lift	: 79kg @ 13.5mm	: 79kg @ 12.9mm

### REMARKS :



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- # 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
- # VVT reprogramming, operating range adjustment or even eliminating the VVT system should be considered for camshafts with increased duration
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors
- # Valve clearance is indicated at valve tip. For measurements between cam and follower, the indicated valve clearance should be divided by the rocker ratio
- # valve seals must be lowered. Distance between valve seal and retainer must be at least 0.6mm at full lift.