

# 1900645

tarmac rally - race

Fiat A112 2.000

I-4cyl 1.0L 8v OHV (FT/FT)



**intake**                      **exhaust**

### camshaft data:

lash ramp	: 0.35mm	0.35mm
duration @ 0.1mm	: 298°	298°
duration @ 1.0mm	: 246°	246°
valve lift	: 10.55mm	10.55mm
cam lift	: 7.50mm	7.50mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 17° / 49°	49° / 17°
valve lift @ TDC	: 3.20mm	3.20mm

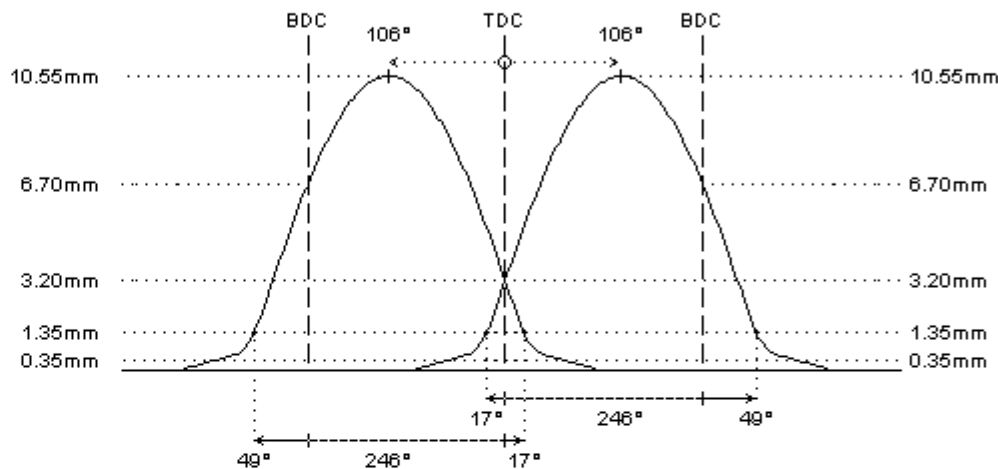
### parts setup:

cam wheels :	:	:
follower	:  CAT050	:  CAT050
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	:  99366	:  99366
lower retainer	:  not available	:  not available
exterior spring	:  PAC-E92009	:  PAC-E92009
interior spring	:  PAC-I92009	:  PAC-I92009

fitted load / length	: 30kg @ 34.0mm	: 30kg @ 34.0mm
max. load / lift	: 89kg @ 12.0mm	: 89kg @ 12.0mm

### REMARKS :

# replace std lower shim by flat shim (+/- 2mm)



### REMARKS :

- # - bearing diameters: 38.00 - 43.35 - 31.00mm
- indicate when cam core must be undercut for connection rod clearance (Abarth)
- # 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