

# 1031053

tarmac rally - race

Alfa Romeo AR33401 129hp

B-4cyl 1.7L 16v DOHC (DTH/DTH)



## intake

## exhaust

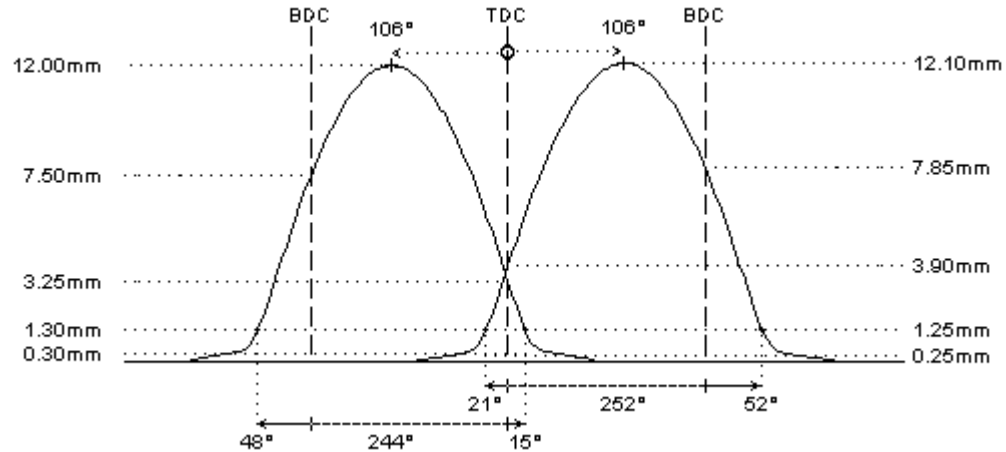
### camshaft data:

lash ramp	: 0.25mm	0.30mm
duration @ 0.1mm	: 288°	278°
duration @ 1.0mm	: 252°	243°
valve lift	: 12.10mm	12.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 20° / 52°	48° / 15°
valve lift @ TDC	: 3.90mm	3.30mm

### parts setup:

cam wheels :	:	:
follower	: <b>CC002</b>	: <b>CC002</b>
valve lash	: <b>TS102</b>	: <b>TS102</b>
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: <b>99371</b>	: <b>99371</b>
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: <b>PAC-E92009</b>	: <b>PAC-E92009</b>
interior spring	: <b>PAC-I99860</b>	: <b>PAC-I99860</b>
fitted load / length	: 33kg @ 32.0mm	: 33kg @ 32.0mm
max. load / lift	: 102kg @ 13.0mm	: 102kg @ 13.0mm

### REMARKS :



### REMARKS :

- # steel billet camshafts
- # valve clearance is to be adjusted using mechanical lash caps. these can have different shapes according the application:
  - plates available in different diameters and thickness
  - cups for different valve stem diameters. these center on either tappet or valve stem
  - other specific shapes available on request
- # FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
  - the camshafs 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