

1302146

tarmac rally - race

Bmw M10 B18 105hp

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



intake **exhaust**

camshaft data:

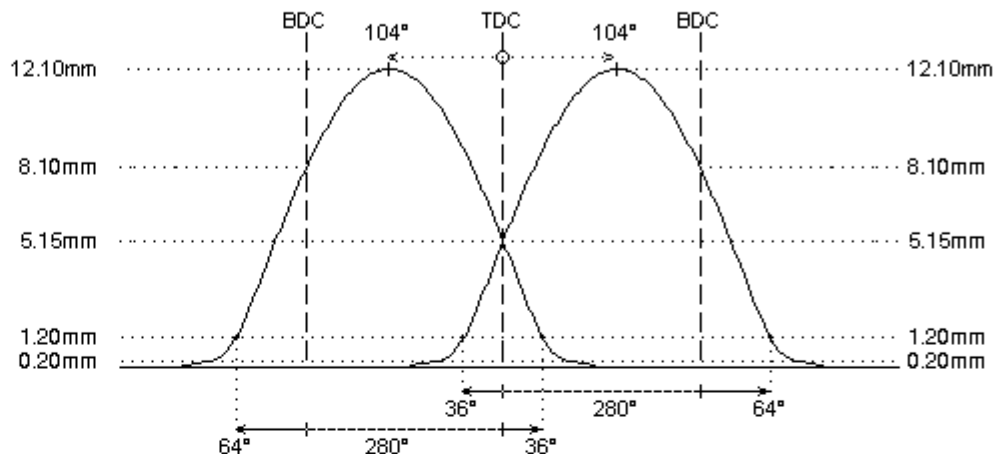
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 318°	318°
duration @ 1.0mm	: 280°	280°
valve lift	: 12.10mm	12.10mm
cam lift	: 9.65mm	9.65mm
lobe angle	: 104°	104°
timing @ 1.0mm	: 36° / 64°	64° / 36°
valve lift @ TDC	: 5.15mm	5.15mm

parts setup:

cam wheels :	:	:
follower	: INFO	: INFO
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	: 99326	: 99326
lower retainer	: not available	: not available
exterior spring	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 40kg @ 34.0mm	: 40kg @ 34.0mm
max. load / lift	: 111kg @ 13.0mm	: 111kg @ 13.0mm

REMARKS :

- # larger excenter discs (part number "99019" - D18mm) available to adjust valve clearance for camshafts with reduced cam base diameter
- # Cat Cams steel billet rocker arms (part number "CAT021") are strongly advised for use over 7000rpm



REMARKS :

Please use the correct part number code for your engine:

- **13001xx**: small bearing (42.95mm-41.95mm-34.95mm), right gear
- **13002xx**: small bearing (42.95mm-41.95mm-34.95mm), left gear
- **13021xx**: big bearing (44.95mm-43.95mm-34.95mm), right gear
- **13022xx**: big bearing (44.95mm-43.95mm-34.95mm), left gear

Difference between left and right gear

The cams are drilled for extra lubrication. The internal lubrication can be sealed with an M3 Allen screw in the first bearing.

NOW AVAILABLE: CATCAMS steel billet rocker arms (coated) with original Mahle valve adjustment screws !!!



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

if required, machine cylinder head and / or use solid shims to adjust spring load

ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors

We have two types of adjustable cam sprockets available:

-  TBM010: single chain
-  TBM012: double chain