

# 1300148

tarmac rally - race

Bmw M10 B18 105hp

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



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.35mm	0.40mm
duration @ 0.1mm	: 311°	305°
duration @ 1.0mm	: 267°	266°
valve lift	: 11.40mm	11.45mm
cam lift	: 8.70mm	8.75mm
lobe angle	: 110°	110°
timing @ 1.0mm	: 28° / 59°	60° / 26°
valve lift @ TDC	: 4.25mm	4.10mm

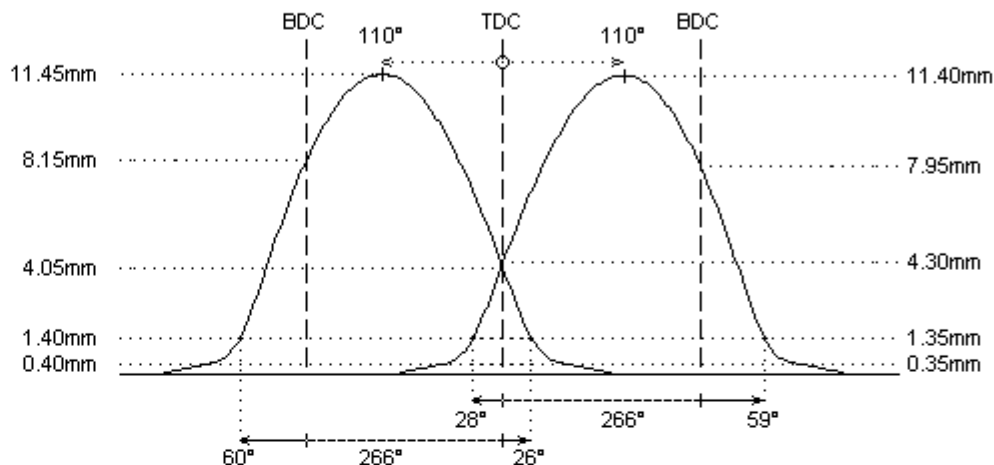
#### parts setup:

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
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	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: O.E.M.	: O.E.M.
interior spring	:	:

fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

#### REMARKS :

- # original valve spring info is not available
- # 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

The cam lobes of the steel billet cams are drilled for extra lubrication.

Set screws are delivered to block the extra oil feed when it is not being used.

**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

# 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

