

1302154

turbo conversion

Bmw M10 B18 105hp

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



intake **exhaust**

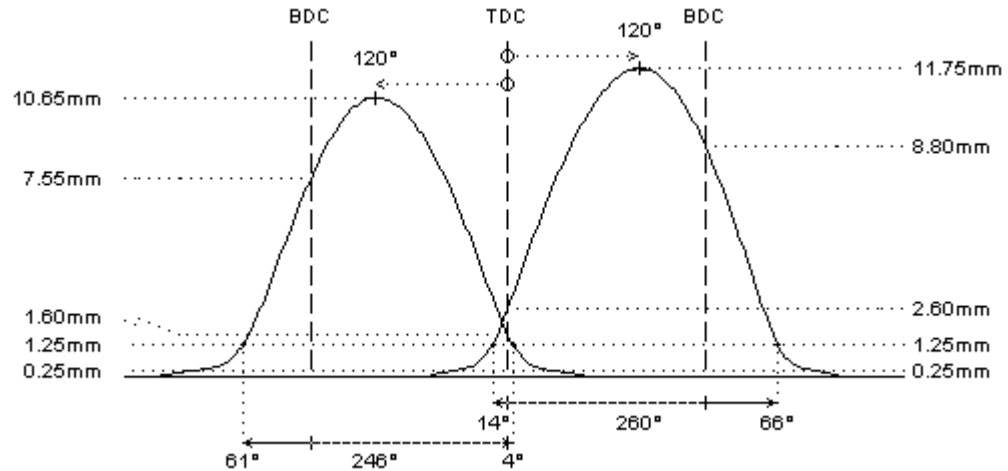
camshaft data:

lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 301°	293°
duration @ 1.0mm	: 260°	245°
valve lift	: 11.75mm	10.65mm
cam lift	: 8.60mm	7.85mm
lobe angle	: 120°	120°
timing @ 1.0mm	: 14° / 66°	61° / 4°
valve lift @ TDC	: 2.60mm	1.60mm

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	: 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 :



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- # **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
- # 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 carburettors
- # for TURBO conversion (atmospheric to turbo)
- # We have two types of adjustable cam sprockets available:
 - TBM010: single chain
 - TBM012: double chain