

1304505

hot street - dirt track

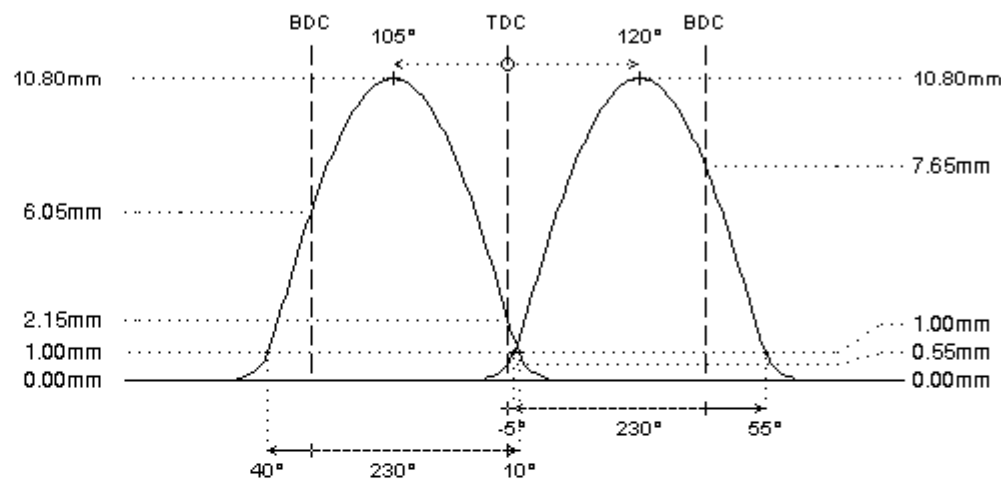
Bmw M54B30 228hp, vanos in+ex

I-6cyl 3.0L 24v DOHC



	intake	exhaust
camshaft data:		
lash ramp	: hydro	hydro
duration @ 0.1mm	: 274°	274°
duration @ 1.0mm	: 230°	230°
valve lift	: 10.80mm	10.80mm
cam lift	: 10.80mm	10.80mm
lobe angle	: 120°	105°
timing @ 1.0mm	: -5° / 55°	40° / 10°
valve lift @ TDC	: 0.55mm	2.15mm
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	: 99468/s	: 99468/s
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: PAC-S99843	: PAC-S99843
interior spring		
fitted load / length	: 35kg @ 37.5mm	: 35kg @ 37.5mm
max. load / lift	: 95kg @ 14.0mm	: 95kg @ 14.0mm

REMARKS :



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- # - steel billet camshafts
- # The VANOS (VVT) system on the intake camshaft changes the PD from 120° to 80°. The data are shown for full intake retard (disengaged VVT).
The VANOS (VVT) system on the exhaust camshaft changes the PD from 105° to 80°. The data are shown for full exhaust advance (disengaged VVT).

Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!
- # 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
- # lock or limit range of VANOS system
- # ONLY for dirt track applications and pro street use with adjustable engine management or carburetors