

# 1303413

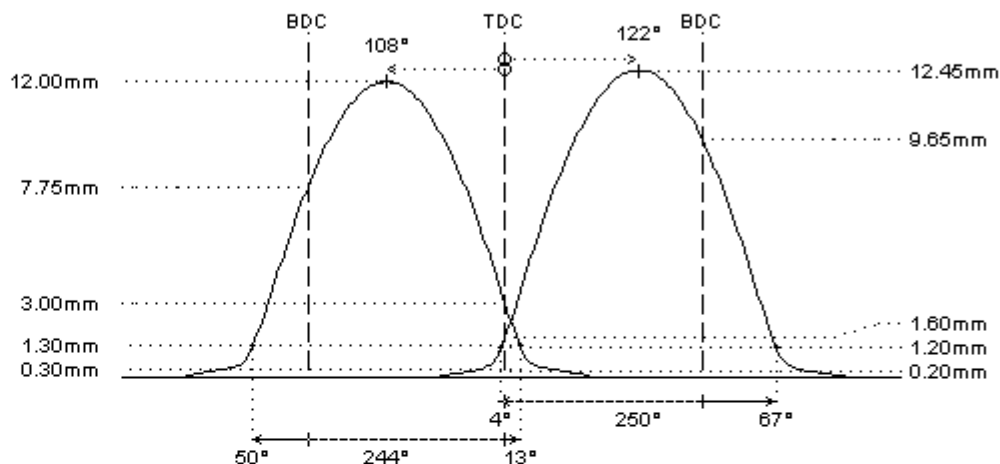
hot street - dirt track

Bmw S50 B30 286hp, vanos in  
I-6cyl 3.0L 24v DOHC (DTs/DTs)



|                       | intake           | exhaust          |
|-----------------------|------------------|------------------|
| <b>camshaft data:</b> |                  |                  |
| lash ramp             | : 0.20mm         | 0.30mm           |
| duration @ 0.1mm      | : 292°           | 279°             |
| duration @ 1.0mm      | : 251°           | 243°             |
| valve lift            | : 12.45mm        | 12.00mm          |
| cam lift              | :                |                  |
| lobe angle            | : 122°           | 108°             |
| timing @ 1.0mm        | : 4° / 67°       | 50° / 13°        |
| valve lift @ TDC      | : 1.60mm         | 3.00mm           |
| <b>parts setup:</b>   |                  |                  |
| cam wheels :          | :                | :                |
| follower              | :  CC010         | :  CC010         |
| valve lash            | :  TS102         | :  TS102         |
| 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       | :  PAC-E95009    | :  PAC-E95009    |
| interior spring       | :  PAC-I95009    | :  PAC-I95009    |
| fitted load / length  | : 37kg @ 35.5mm  | : 37kg @ 35.5mm  |
| max. load / lift      | : 112kg @ 14.0mm | : 112kg @ 14.0mm |

REMARKS :



### REMARKS :

- # camshafts for use with VVT on intake (like original)
- # 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
- # The VANOS (VVT) system on the intake camshaft changes the valve timing:
  - S50 B30: from 122° to 80° (exhaust: 108° fix)The data are shown for full intake retard (disengaged VVT). Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!
- # lock or limit range of VANOS system