

# 1303909

sport

Bmw M50 (20 6 S2) 150hp, vanos in  
I-6cyl 2.0L 24v DOHC (DTH/DTH)



**intake**                      **exhaust**

**camshaft data:**

|                  |             |           |
|------------------|-------------|-----------|
| lash ramp        | : hydro     | hydro     |
| duration @ 0.1mm | : 240°      | 240°      |
| duration @ 1.0mm | : 203°      | 203°      |
| valve lift       | : 9.25mm    | 9.25mm    |
| cam lift         | :           |           |
| lobe angle       | : 105°      | 105°      |
| timing @ 1.0mm   | : -3° / 26° | 27° / -4° |
| valve lift @ TDC | : 0.75mm    | 0.65mm    |

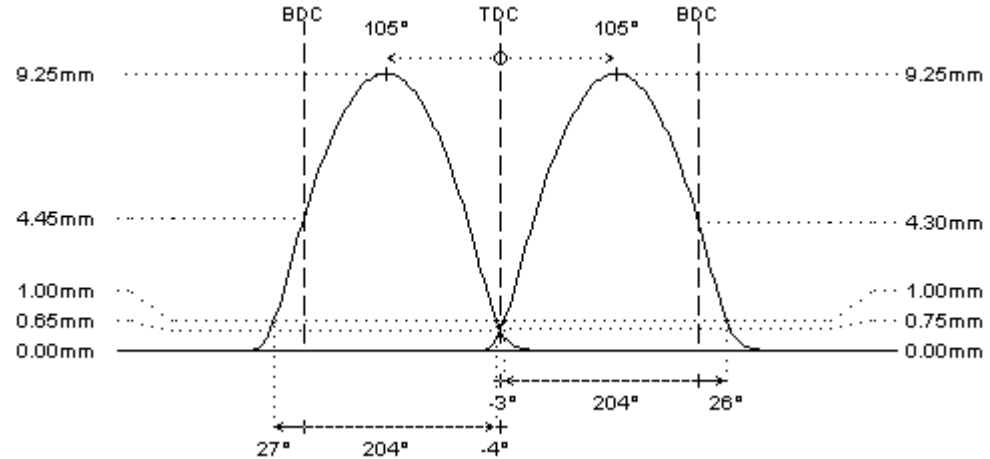
**parts setup:**

|                 |          |          |
|-----------------|----------|----------|
| 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



**REMARKS :**

- # - cast iron camshafts  
- available in steel billet (on request)
- # The VANOS (VVT) system on the intake camshaft changes the valve timing:
  - M50TU /B20: from 105° to 80° (exhaust: 105° fix)
  - M50TU /B25: from 110° to 85° (exhaust: 101° 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!