

# 1301807

full race

Bmw S54 B32 338hp, double vanos

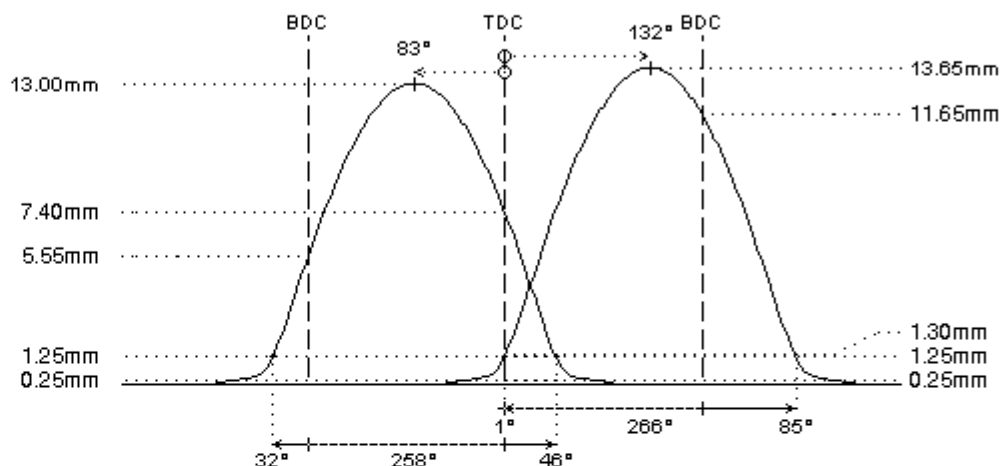
I-6cyl 3.2L 24v DOHC (RP/RP)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 304°	296°
duration @ 1.0mm	: 266°	258°
valve lift	: 13.75mm	13.00mm
cam lift	: 12.50mm	11.95mm
lobe angle	: 132°	83°
timing @ 1.0mm	: 1° / 85°	32° / 46°
valve lift @ TDC	: 1.30mm	7.40mm
<b>parts setup:</b>		
cam wheels :	:	:
follower	:  CAT031	:  CAT031
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	:  99496/s	:  99496/s
lower retainer	:  99497/O	:  99497/O
exterior spring	:  PAC-E12009	:  PAC-E12009
interior spring	:  PAC-I12009	:  PAC-I12009
fitted load / length	: 30kg @ 34.0mm	: 30kg @ 34.0mm
max. load / lift	: 100kg @ 14.0mm	: 100kg @ 14.0mm

### REMARKS :

- # CAT031 KIT includes:
- # - 24x CAT031 rocker arm
- 2x rocker arm shafts with extra holes (original BMW)
- 1x oil bridge (oil supply from exhaust to intake rocker arm shafts)



### REMARKS :

- # Any warranty regarding camshaft wear is excluded, unless our CAT031 rocker arm system is being used.
- S54 camshafts can only be ordered in combination with rocker arm kit CAT031 !!!**
- # The VANOS (VVT) system on the intake camshaft changes the PD from 132° to 72°. The data are shown for full intake retard (disengaged VVT).  
The VANOS (VVT) system on the exhaust camshaft changes the PD from 83° to 128°. The data are shown for full exhaust retard (disengaged VVT).
- # Check distance between valves and piston to be 1mm at least with VVT engaged. Wrong installation will cause severe engine damage!
- # VVT reprogramming, operating range adjustment or even eliminating the VVT system should be considered for camshafts with increased duration
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors