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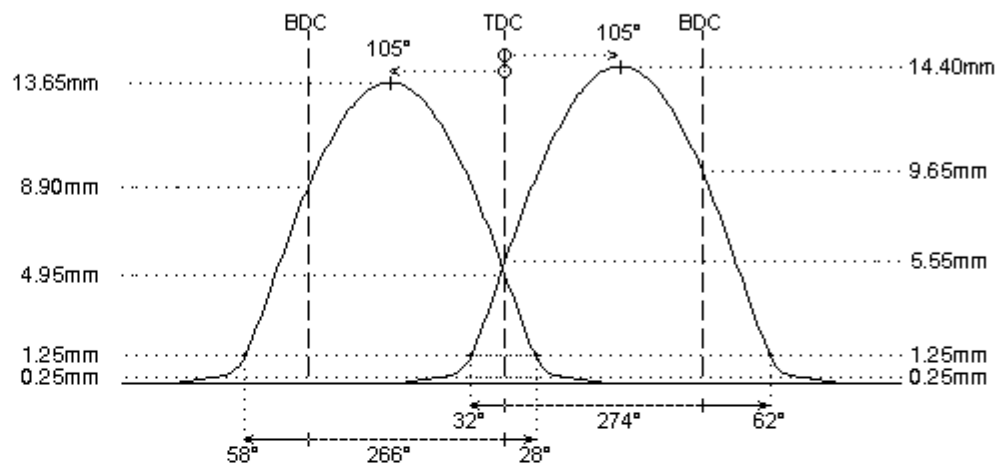
full race

Bmw S54 B32 338hp, double vanos

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



	intake	exhaust
camshaft data:		
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 312°	304°
duration @ 1.0mm	: 274°	266°
valve lift	: 14.40mm	13.65mm
cam lift	: 13.10mm	12.50mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 32° / 62°	58° / 28°
valve lift @ TDC	: 5.55mm	4.95mm
parts setup:		
cam wheels :	TBM054	TBM054
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	: 102kg @ 14.5mm	: 100kg @ 14.0mm



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 !!!**
- vanos can be deleted by installing inner ring TBM054 in the vanos pulleys.
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors

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)

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Machining of cylinder head required at intake camlobes to allow high lift. See picture: