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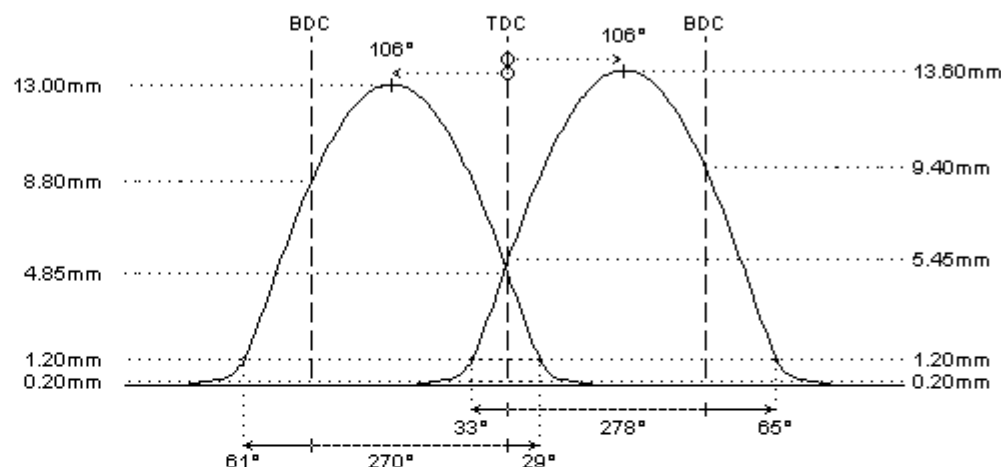
full race

Volvo B234

I-4cyl 2.3L 16v DOHC (DTH/DTH)



	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 322°	312°
duration @ 1.0mm	: 278°	270°
valve lift	: 13.60mm	13.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 33° / 65°	61° / 29°
valve lift @ TDC	: 5.45mm	4.85mm
parts setup:		
cam wheels :	: CTVO023	: CTVO023
follower	: CC005	: CC005
valve lash	: TS102	: TS102
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: 99322/s	: 99322/s
lower retainer	: 99475/O	: 99475/O
exterior spring	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 35kg @ 35.0mm	: 37kg @ 34.5mm
max. load / lift	: 115kg @ 14.5mm	: 115kg @ 14.0mm



REMARKS :

- # 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
- # ONLY for use in competition engines with independent engine management (throttle position sensor) or carburetors

REMARKS :