# 7900504

**full race**

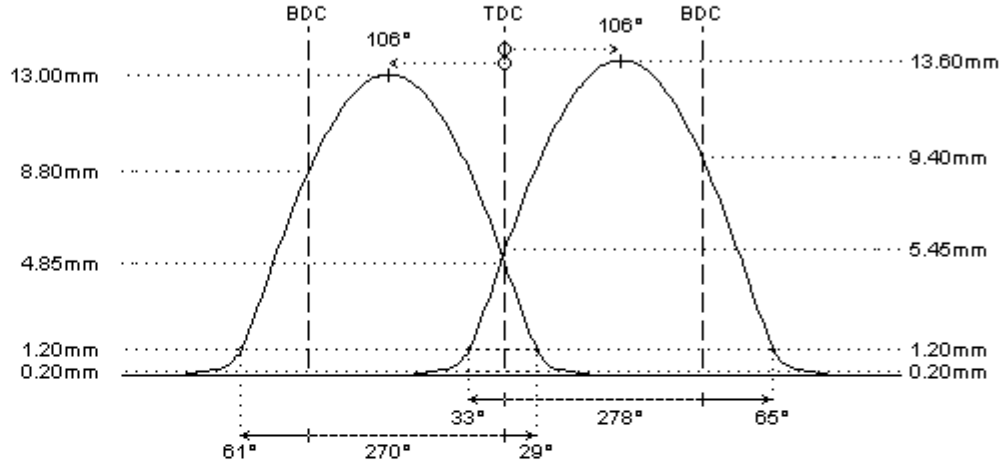
Volvo B234

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

CAT CAMS .com

| | 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 :**




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\# FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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 carburettors