

1002450

full race

Audi NM atmospheric

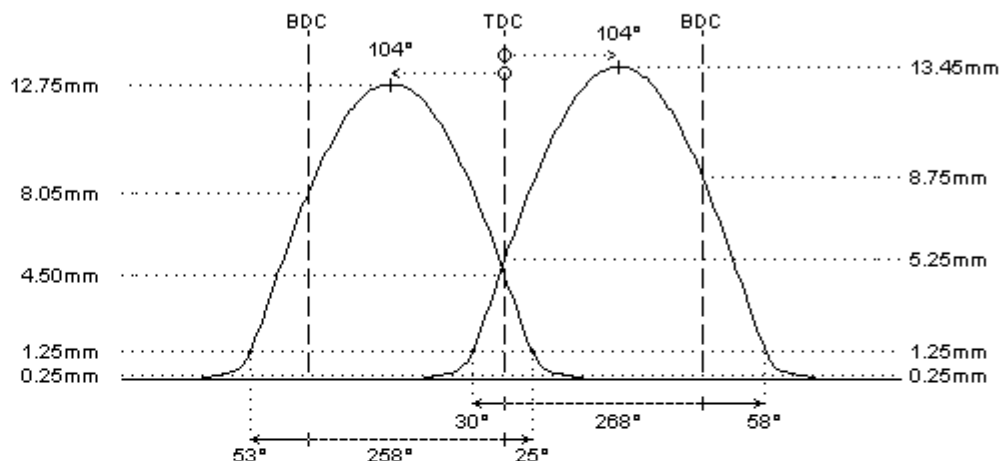
I-5cyl 2.0L 20v DOHC (DTH/DTH)



| | intake | exhaust |
|-----------------------|------------------|------------------|
| camshaft data: | | |
| lash ramp | : 0.25mm | 0.25mm |
| duration @ 0.1mm | : 303° | 293° |
| duration @ 1.0mm | : 268° | 258° |
| valve lift | : 13.45mm | 12.75mm |
| cam lift | : | |
| lobe angle | : 104° | 104° |
| timing @ 1.0mm | : 30° / 58° | 53° / 25° |
| valve lift @ TDC | : 5.25mm | 4.50mm |
| parts setup: | | |
| cam wheels : | : | : |
| follower | : CC005 | : CC005 |
| valve lash | : TS102 | : TS102 |
| valve | : O.E.M. | : O.E.M. |
| valve locks | : O.E.M. | : O.E.M. |
| upper retainer | : 99370 | : 99370 |
| lower retainer | : not available | : not available |
| exterior spring | : PAC-E15009 | : PAC-E15009 |
| interior spring | : PAC-I15009 | : PAC-I15009 |
| fitted load / length | : 35kg @ 35.0mm | : 35kg @ 35.0mm |
| max. load / lift | : 111kg @ 14.0mm | : 111kg @ 14.0mm |

REMARKS :

- # check distance between valve seal and retainer to be at least 0.6mm at full lift
- # if required, machine cylinder head and / or use solid shims to adjust spring load



REMARKS :

- # - steel billet camshafts
- supplied with **adjustable chain sprockets** to optimize intake cam timing
- # - valve clearance is to be adjusted using mechanical lash caps
- please make sure that the lash cap does not touch the valve locks !
- # 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
- # for ATMO engines