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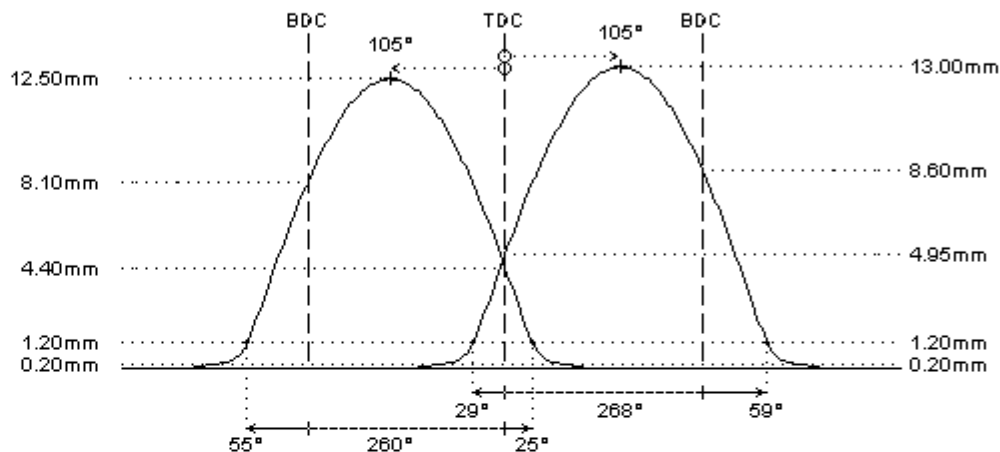
full race

Alfa Romeo AR 671.99 140hp, VVT intake

I-4cyl 1.7L 16v DOHC (DTH/DTH)



| | intake | exhaust |
|-----------------------|------------------|------------------|
| camshaft data: | | |
| lash ramp | : 0.20mm | 0.20mm |
| duration @ 0.1mm | : 307° | 298° |
| duration @ 1.0mm | : 268° | 260° |
| valve lift | : 13.00mm | 12.50mm |
| cam lift | : | |
| lobe angle | : 105° | 105° |
| timing @ 1.0mm | : 29° / 59° | 55° / 25° |
| valve lift @ TDC | : 4.95mm | 4.40mm |
| parts setup: | | |
| cam wheels : | : CTAR001 | : CTAR001 |
| follower | : CC002 | : CC002 |
| valve lash | : TS102 | : TS102 |
| valve | : O.E.M. | : O.E.M. |
| valve locks | : O.E.M. | : O.E.M. |
| upper retainer | : 99371 | : 99371 |
| lower retainer | : O.E.M. | : O.E.M. |
| exterior spring | : PAC-E92009 | : PAC-E92009 |
| interior spring | : PAC-I92009 | : PAC-I92009 |
| fitted load / length | : 39kg @ 33.0mm | : 39kg @ 33.0mm |
| max. load / lift | : 100kg @ 12.5mm | : 100kg @ 12.5mm |



REMARKS :

- # camshafts for use with STD VVT (vanos) system
- # - 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

REMARKS :