1005004

full race

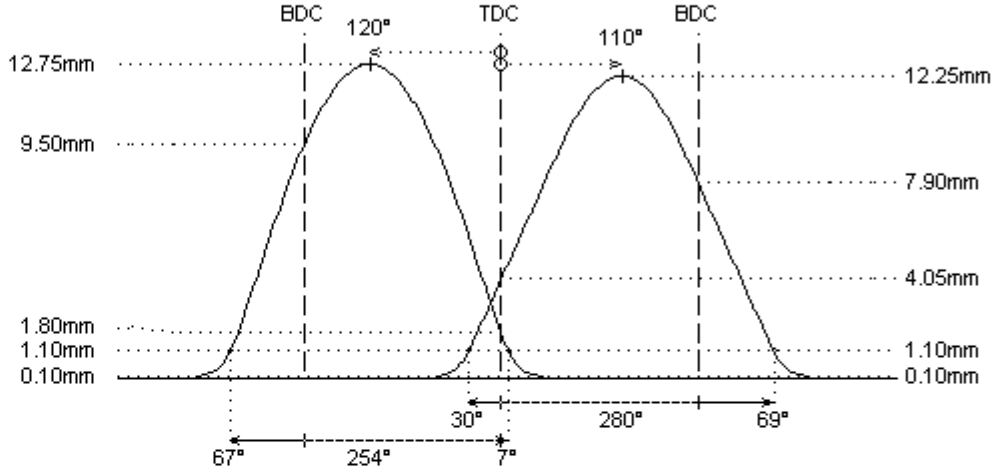
Audi ADR atmo engines

I-4cyl 1.8L 20v DOHC (DTH/DTH)

	intake	exhaust
camshaft data:		
lash ramp	: 0.10mm	0.10mm
duration @ 0.1mm	: 314°	291°
duration @ 1.0mm	: 279°	254°
valve lift	: 12.25mm	12.75mm
cam lift	:	
lobe angle	: 110°	120°
timing @ 1.0mm	: 30° / 69°	67° / 7°
valve lift @ TDC	: 4.05mm	1.80mm
parts setup:		
cam wheels :	:	:
follower	: **CC016**	: **CC019**
valve lash	: **TS101**	: **TS101**
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: **PAC-S90013**	: **PAC-E92009**
interior spring		: **PAC-I92009**
fitted load / length	: 23kg @ 34.6mm	: 34kg @ 33.1mm
max. load / lift	: 68kg @ 12.0mm	: 96kg @ 12.5mm

REMARKS :

check distance between valve seal and retainer to be at least 0.6mm at full lift



REMARKS :

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