

1031576

tarmac rally - race

Alfa Romeo AR 322.01 144hp, VVT intake

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



intake

exhaust

camshaft data:

lash ramp : 0.20mm
duration @ 0.1mm : 298°
duration @ 1.0mm : 260°
valve lift : 12.50mm
cam lift :
lobe angle : 105°
timing @ 1.0mm : 25° / 55°
valve lift @ TDC : 4.40mm

0.20mm
290°
252°
12.00mm
:
105°
51° / 21°
3.85mm

parts setup:

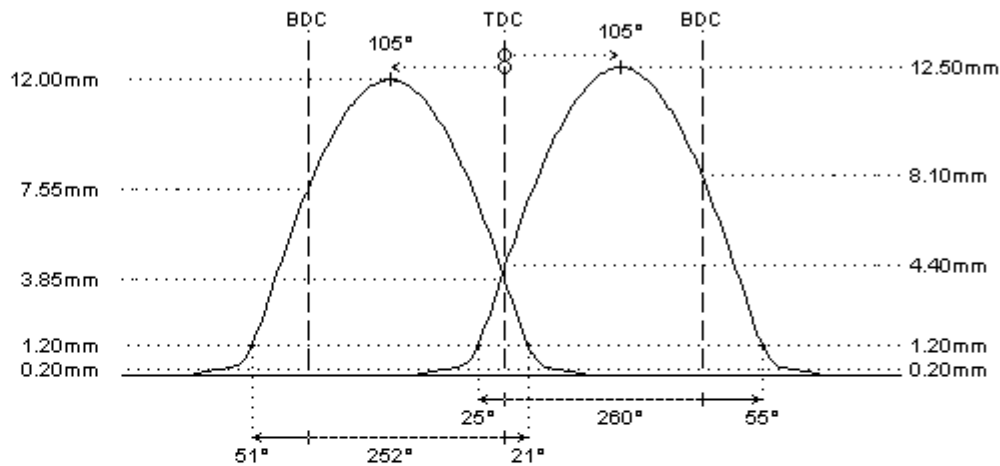
cam wheels : : CTAR001
follower : : CC002
valve lash : : TS102
valve : : O.E.M.
valve locks : : O.E.M.
upper retainer : : 99371
lower retainer : : O.E.M.
exterior spring : : PAC-E92009
interior spring : : PAC-I92009

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: CC002
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: PAC-E92009
: PAC-I92009

fitted load / length : 39kg @ 33.0mm
max. load / lift : 100kg @ 12.5mm

: 39kg @ 33.0mm
: 100kg @ 12.5mm

REMARKS :



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- # 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