

# 5500423

tarmac rally - race

Renault 804 / 812 Alpine A110, R8 Gordini

I-4cyl 1.3L 8v OHV (FT/FT)



**intake**                      **exhaust**

**camshaft data:**

lash ramp	: 0.40mm	0.40mm
duration @ 0.1mm	: 301°	293°
duration @ 1.0mm	: 258°	250°
valve lift	: 11.20mm	10.80mm
cam lift	: 7.00mm	6.75mm
lobe angle	: 105°	105°
timing @ 1.0mm	: 24° / 54°	50° / 20°
valve lift @ TDC	: 4.10mm	3.65mm

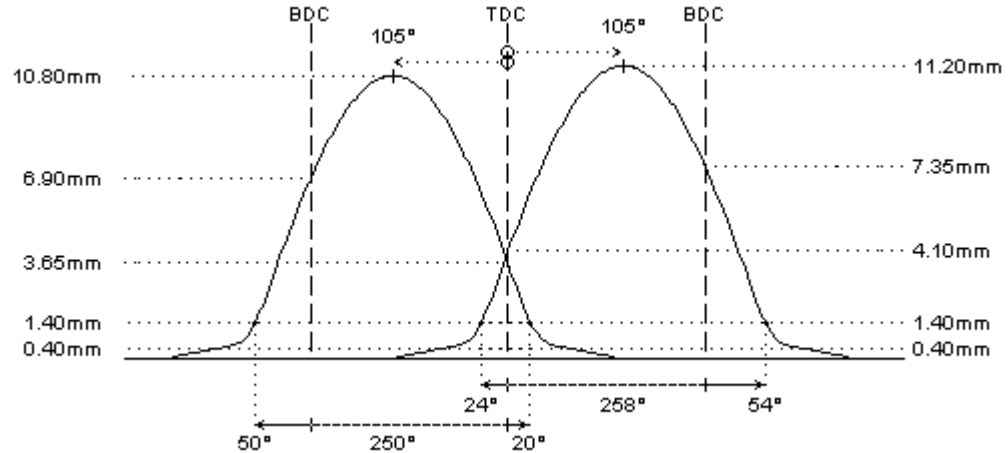
**parts setup:**

cam wheels :	:	:
follower	: O.E.M.	: O.E.M.
valve lash	: O.E.M.	: O.E.M.
valve	: O.E.M.	: O.E.M.
valve locks	: O.E.M.	: O.E.M.
upper retainer	: <b>✗ not available</b>	: <b>✗ not available</b>
lower retainer	: <b>✗ not available</b>	: <b>✗ not available</b>
exterior spring	: <b>✗ not available</b>	: <b>✗ not available</b>
interior spring	:	:

fitted load / length	: 0kg @ 0.0mm	: 0kg @ 0.0mm
max. load / lift	: 0kg @ 0.0mm	: 0kg @ 0.0mm

**REMARKS :**

# check std valve spring setup for coil bind length and use valve spring # kit if required  
valve spring kit can be developed on request



**REMARKS :**

- # - cam lobe sequence: **E-E-E-E** (crossflow head)
- total length: **384mm**
- double chain
- journal diameters: 37.94 - 37.94 - 37.94 - **37.94mm**
- available in steel billet only
  
- # 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