

# 5500529

tarmac rally - race

Renault Alpine A110, R12 Gordini

I-4cyl 1.6L 8v OHV (FT/FT)



**intake**                      **exhaust**

**camshaft data:**

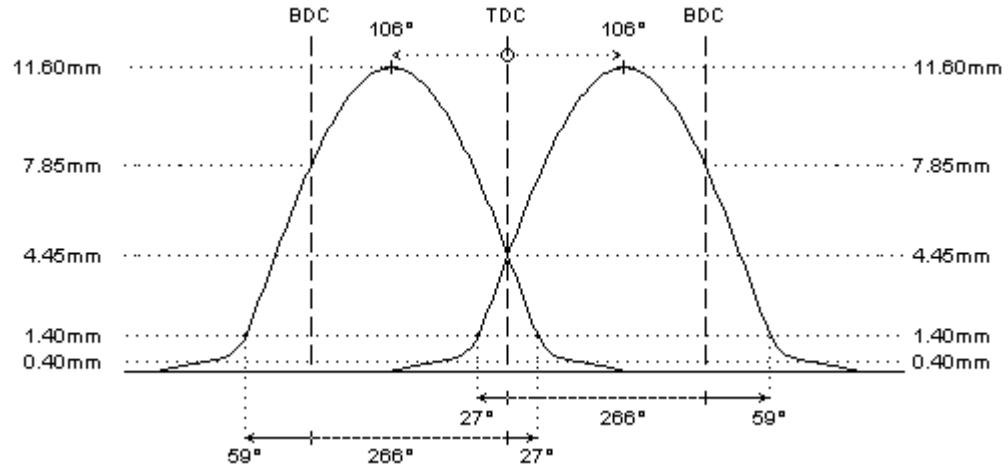
lash ramp	: 0.40mm	0.40mm
duration @ 0.1mm	: 309°	309°
duration @ 1.0mm	: 266°	266°
valve lift	: 11.60mm	11.60mm
cam lift	: 7.25mm	7.25mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 27° / 59°	59° / 27°
valve lift @ TDC	: 4.45mm	4.45mm

**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>99368</b>	: <b>99368</b>
lower retainer	: <b>not available</b>	: <b>not available</b>
exterior spring	: <b>PAC-E99859</b>	: <b>PAC-E99859</b>
interior spring	: <b>PAC-I99859</b>	: <b>PAC-I99859</b>
fitted load / length	: 38kg @ 35.0mm	: 38kg @ 35.0mm
max. load / lift	: 109kg @ 13.0mm	: 109kg @ 13.0mm

**REMARKS :**

# machining of cylinder head around valve boss required to fit inner spring



**REMARKS :**

- # - cam lobe sequence: **II-II-II-II** (crossflow head)
- total length: **519mm**
- journal diameters: 41.94 - 41.94 - 41.94 - 34.94mm - 31.94mm
- pump between cam lobe 2-3 (version with pump between cam lobe 7-8 is not available)
- 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 carburettors