

# 5500228

tarmac rally - race

Renault 840.725 Alpine (R-1223)

I-4cyl 1.4L 8v OHV (FT/FT)



**intake**                      **exhaust**

**camshaft data:**

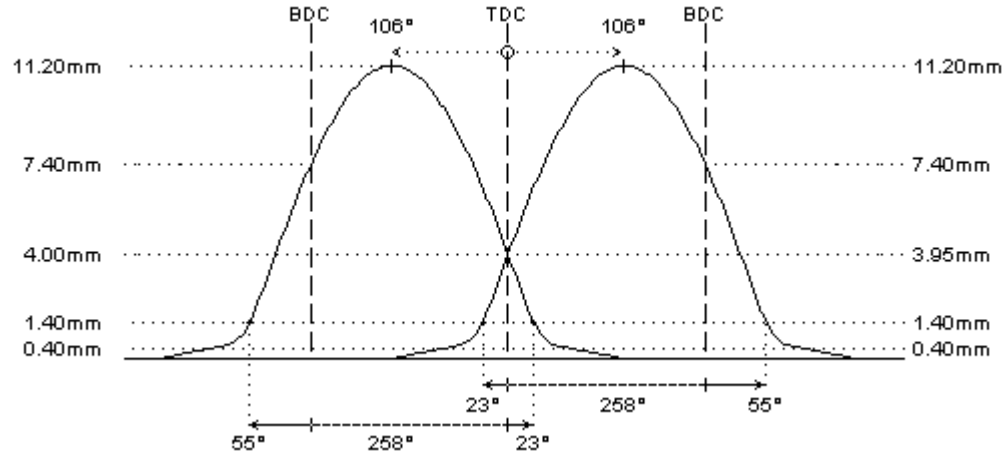
lash ramp	: 0.40mm	0.40mm
duration @ 0.1mm	: 300°	300°
duration @ 1.0mm	: 258°	258°
valve lift	: 11.15mm	11.15mm
cam lift	: 7.00mm	7.00mm
lobe angle	: 106°	106°
timing @ 1.0mm	: 23° / 55°	55° / 23°
valve lift @ TDC	: 3.95mm	4.00mm

**parts setup:**

cam wheels :	: <b>TRE012</b>	: <b>TRE012</b>
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	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: <b>PAC-E99859</b>	: <b>PAC-E99859</b>
interior spring	: <b>PAC-I99859</b>	: <b>PAC-I99859</b>
fitted load / length	: 34kg @ 37.3mm	: 39kg @ 36.3mm
max. load / lift	: 103kg @ 13.0mm	: 103kg @ 12.0mm

**REMARKS :**

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



**REMARKS :**

- # - cam lobe sequence: **II-II-II-II** (crossflow head)
- total length: **446mm** (with water pump drive)
- double chain
- journal diameters: 37.94 - 37.94 - 37.94 - **34.48mm**
- 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