

# 5220213

tarmac rally - race

Porsche 944 S2

I-4cyl 3.0L 16v DOHC (DTH/DTH)



### intake

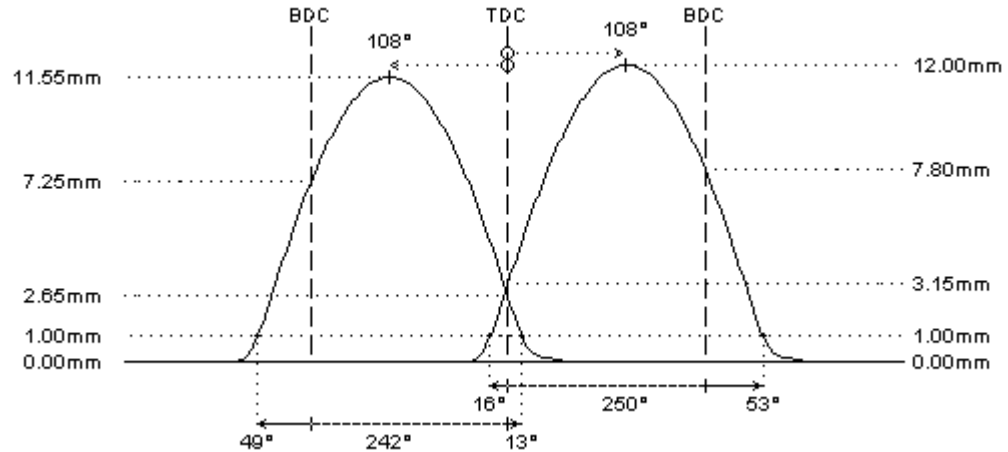
### exhaust

#### camshaft data:

lash ramp	: hydro	hydro
duration @ 0.1mm	: 290°	283°
duration @ 1.0mm	: 250°	242°
valve lift	: 12.00mm	11.55mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 17° / 53°	49° / 13°
valve lift @ TDC	: 3.20mm	2.65mm

#### 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	:  99322/s	:  99322/s
lower retainer	: O.E.M.	: O.E.M.
exterior spring	:  PAC-E95009	:  PAC-E95009
interior spring	:  PAC-I95009	:  PAC-I95009
fitted load / length	: 34kg @ 36.0mm	: 39kg @ 35.0mm
max. load / lift	: 110kg @ 14.0mm	: 110kg @ 13.0mm



#### REMARKS :

- # steel billet camshafts
- # 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

#### REMARKS :