

# 6100024

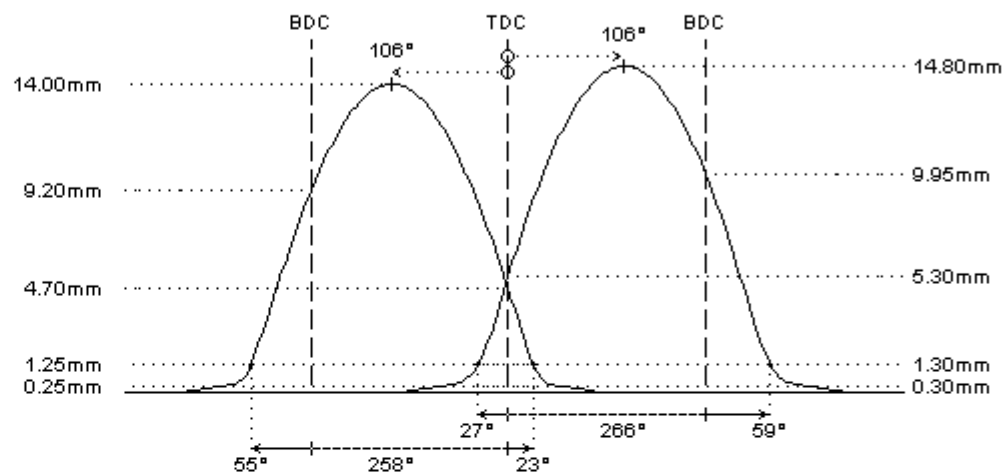
full race

Saab 99 EMS

I-4cyl 2.0L 8v SOHC (DT/DT)



	intake	exhaust
<b>camshaft data:</b>		
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 307°	292°
duration @ 1.0mm	: 266°	258°
valve lift	: 14.80mm	14.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 27° / 59°	55° / 23°
valve lift @ TDC	: 5.30mm	4.70mm
<b>parts setup:</b>		
cam wheels :	TSA001	TSA001
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	99360	99360
lower retainer	remove	remove
exterior spring	PAC-E19891	PAC-E19891
interior spring	PAC-I19891	PAC-I19891
fitted load / length	: 42kg @ 42.0mm	: 42kg @ 42.0mm
max. load / lift	: 121kg @ 15.5mm	: 121kg @ 15.5mm



### REMARKS :

- # - steel billet camshafts
- bearing diameters: 28.94mm (attention: some engines have 25.94mm bearings!)
- all camshafts have a distributor sleeve
- # 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

### REMARKS :

- # if required, machine cylinder head and / or use solid shims to adjust spring load