

6100038

full race

Saab 99 EMS

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

**camshaft data:**

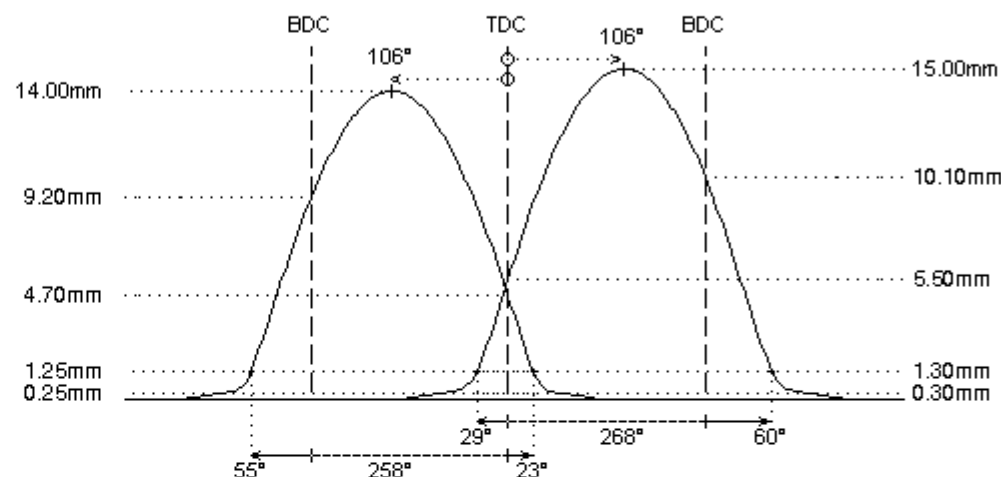
	intake	exhaust
lash ramp	: 0.30mm	0.25mm
duration @ 0.1mm	: 308°	292°
duration @ 1.0mm	: 269°	258°
valve lift	: 15.00mm	14.00mm
cam lift	:	
lobe angle	: 106°	106°
timing @ 1.0mm	: 29° / 60°	55° / 23°
valve lift @ TDC	: 5.50mm	4.70mm

parts setup:

cam wheels :	: INFO	: INFO
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-E29891	: PAC-E29891
interior spring	: PAC-I29891	: PAC-I29891
fitted load / length	: 45kg @ 42.0mm	: 45kg @ 42.0mm
max. load / lift	: 124kg @ 15.5mm	: 124kg @ 15.5mm

REMARKS :

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

**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