

# 2291012

sport

Ford ST170, VVT

I-4cyl 2.0L 16v DOHC (DTx/DTx)



**intake**                      **exhaust**

**camshaft data:**

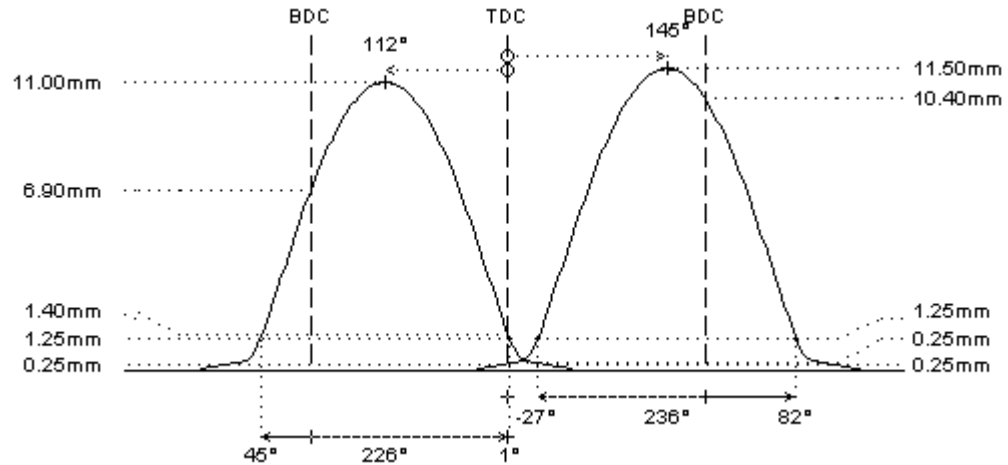
lash ramp	: 0.25mm	0.25mm
duration @ 0.1mm	: 269°	260°
duration @ 1.0mm	: 235°	226°
valve lift	: 11.50mm	11.00mm
cam lift	: 11.50mm	11.05mm
lobe angle	: 145°	112°
timing @ 1.0mm	: -28° / 83°	45° / 1°
valve lift @ TDC	: 0.30mm	1.40mm

**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	: O.E.M.	: O.E.M.
lower retainer	: O.E.M.	: O.E.M.
exterior spring	: O.E.M.	: O.E.M.
interior spring	:	:

fitted load / length	: 19kg @ 0.0mm	: 21kg @ 0.0mm
max. load / lift	: 50kg @ 12.0mm	: 50kg @ 10.5mm

**REMARKS :**



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- # Cat Cams offers two versions for the intake camshaft:  
1/ intake camshaft with for use with vanos system (like original intake): 22910xx  
2/ intake camshaft with for use with fixed pulley (like original exhaust): 23010xx  
--> The intake camshaft for use without vanos is slightly different from the exhaust camshaft. It is possible to use the original intake camshaft seal.  
Please indicate the type of intake camshaft when ordering