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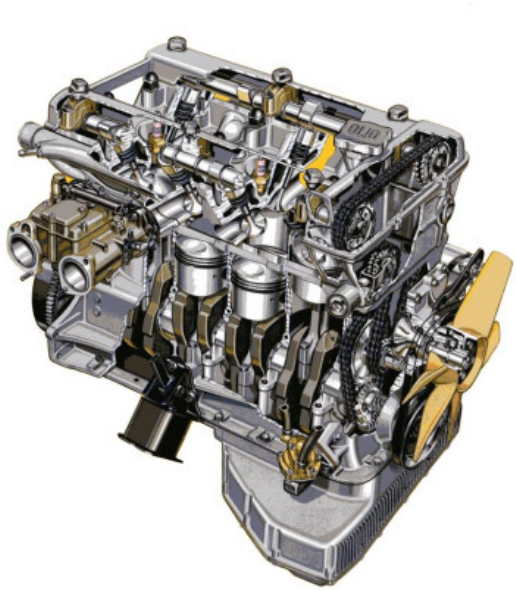
Alfa Romeo NORD Twin Cam Road/Track Camshafts



Brand: Cat Cams
Product Code: CAT103024X
Availability: In Stock
Weight: 8.00kg
Dimensions: 50.00cm x 10.00cm x 15.00cm

Price: $1,295.00

Short Description
Designed for the classic Alfa Twin Cam, these road track cam profiles really bring them to life,

Especially recommended with a Heritage DCOE EFI Conversion kit.

Description
Grind numbers 1030241/242/243 are good road track cams.. These will all give lopey idle quality with good mid range and top end. Idel quality is fair on carbs and good on Heritage EFI.

Grind numbers 1030244/247 are race cams with rough idle and excellent top end.

Use these cams with the recommended followers and valve springs. 103044/247 also need a a big valve head and high compression pistons for best results.

1030241

1030241

sport

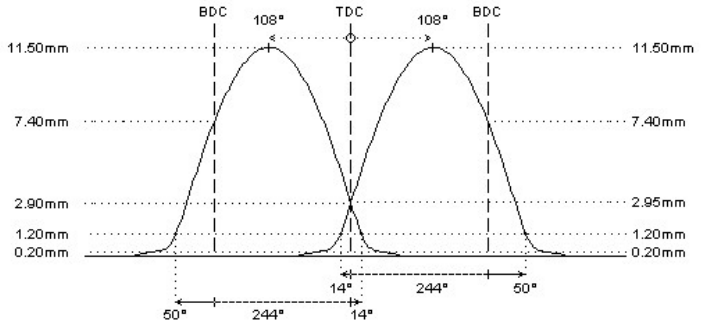
Alfa Romeo NORD

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

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 282°	282°
duration @ 1.0mm	: 244°	244°
valve lift	: 11.50mm	11.50mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 14° / 50°	50° / 14°
valve lift @ TDC	: 2.95mm	2.90mm
parts setup:		
cam wheels :	:	:
follower	: CC007	: CC007
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	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 102kg @ 12.5mm	: 102kg @ 12.5mm

REMARKS :

different valve spring setups have been used in the original engines: please double check the measurements and contact Catcams in case of doubt
if required, machine cylinder head and / or use solid shims to adjust spring load



REMARKS :

- steel billet, gundrilled for weight saving

FOR COMPETITION APPLICATIONS ONLY. Following details must be verified:
- the camshafs 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

1030242

1030242

hot street - dirt track

Alfa Romeo NORD

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

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 290°	290°
duration @ 1.0mm	: 252°	252°
valve lift	: 12.00mm	12.00mm
cam lift	:	
lobe angle	: 108°	108°
timing @ 1.0mm	: 18° / 54°	54° / 18°
valve lift @ TDC	: 3.50mm	3.45mm
parts setup:		
cam wheels :	:	:
follower	: CC007	: CC007
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	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 102kg @ 12.5mm	: 102kg @ 12.5mm

REMARKS :

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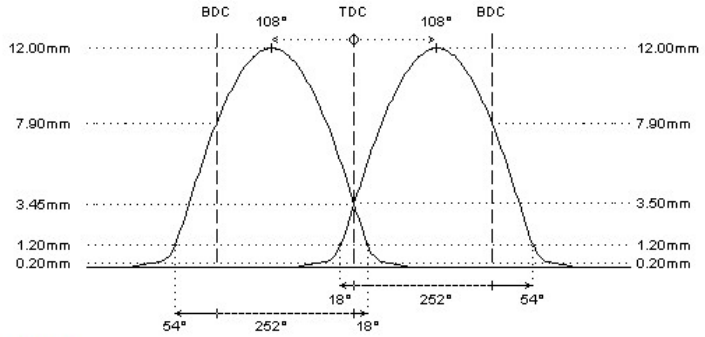

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- the camshafs must turn smooth in the cylinderhead, provide free travel by machining where needed
- distance between valve seal and retainer at full lift must be 0.6mm at least
- minimum valve spring travel of 1.0mm at full lift must be provided
- distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

ONLY for dirt track applications and pro street use with adjustable engine management or carburettors

1030243

1030243

tarmac rally - race

Alfa Romeo NORD

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

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 298°	298°
duration @ 1.0mm	: 260°	260°
valve lift	: 12.50mm	12.50mm
cam lift	:	
lobe angle	: 105°	105°
timing @ 1.0mm	: 25° / 55°	55° / 25°
valve lift @ TDC	: 4.45mm	4.40mm
parts setup:		
cam wheels :	:	:
follower	: CC007	: CC007
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	: PAC-E95009	: PAC-E95009
interior spring	: PAC-I95009	: PAC-I95009
fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 102kg @ 12.5mm	: 102kg @ 12.5mm

REMARKS :

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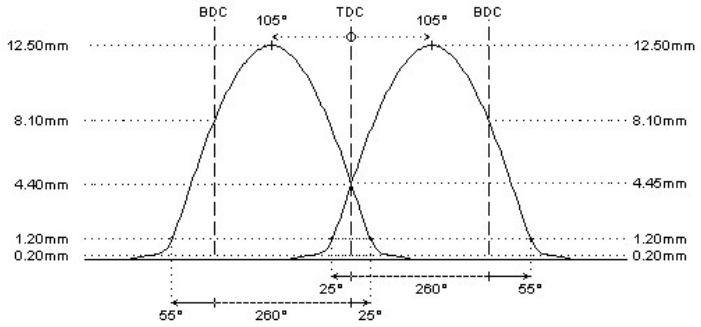
if required, machine cylinder head and / or use solid shims to adjust spring load



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- the camshafs 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

1030244

1030244

tarmac rally - race

Alfa Romeo NORD

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

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 307°	307°
duration @ 1.0mm	: 268°	268°
valve lift	: 13.00mm	13.00mm
cam lift	:	
lobe angle	: 105°	105°
timing @ 1.0mm	: 29° / 59°	59° / 29°
valve lift @ TDC	: 4.95mm	4.95mm
parts setup:		
cam wheels :	:	:
follower	: CC007	: CC007
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	: PAC-E15009	: PAC-E15009
interior spring	: PAC-I15009	: PAC-I15009
fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 111kg @ 14.0mm	: 111kg @ 14.0mm

REMARKS :

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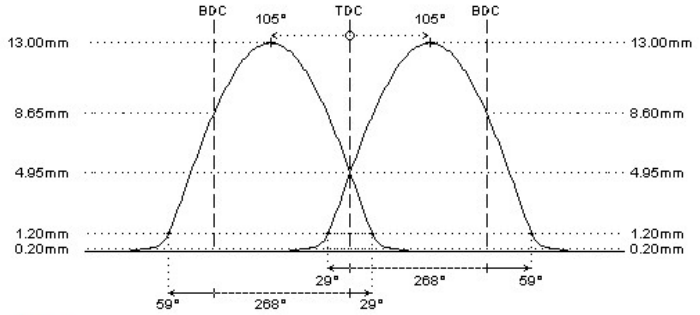

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- distance between valve seal and retainer at full lift must be 0.6mm at least
- minimum valve spring travel of 1.0mm at full lift must be provided
- distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors

1030247

1030247

full race

Alfa Romeo NORD

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

	intake	exhaust
camshaft data:		
lash ramp	: 0.20mm	0.20mm
duration @ 0.1mm	: 322°	322°
duration @ 1.0mm	: 278°	278°
valve lift	: 13.60mm	13.60mm
cam lift	:	
lobe angle	: 105°	105°
timing @ 1.0mm	: 34° / 64°	64° / 34°
valve lift @ TDC	: 5.60mm	5.60mm
parts setup:		
cam wheels :	:	:
follower	: CC007	: CC007
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	: PAC-E15009	: PAC-E15009
interior spring	: PAC-I15009	: PAC-I15009
fitted load / length	: 35kg @ 35.0mm	: 35kg @ 35.0mm
max. load / lift	: 111kg @ 14.0mm	: 111kg @ 14.0mm

REMARKS :

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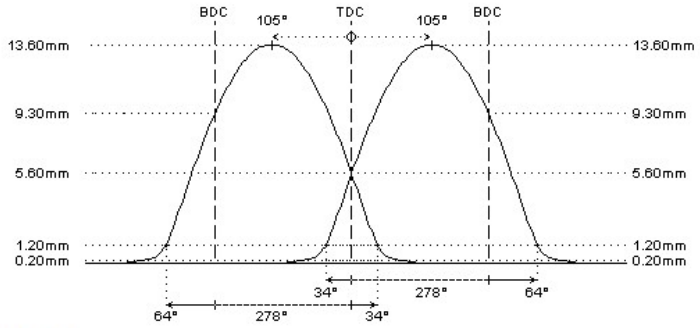

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- distance between valve seal and retainer at full lift must be 0.6mm at least
- minimum valve spring travel of 1.0mm at full lift must be provided
- distance between valve and piston 1.0mm (pref. 1.5mm). check 5-15° before TDC on exhaust, and after TDC on intake

ONLY for use in competition engines with independent engine management (throttle position sensor) or carburettors