

A-type camshaft (A10/A12/A14/A15) Coming soon (pre-orders accepted)

A-type new material camshaft



Note: Please be sure to observe the lifter diameter indicated.
If it is too long, the cam lobe will protrude from the contact surface with the cam.
When using a 23.5mm or 25mm big lifter,
There is a risk of approaching or coming into contact with the inside of the cylinder.
Maintain a minimum clearance of 0.6 mm.
A camshaft with a high valve lift reduces the pressure on the piston and cylinder.
There is a possibility that the valve recess may be insufficient.
Please take measures.

Product number	Cam lift	working angle	Central angle	Required lifter diameter	Price	specification
SS70A	6.9mm	70 degrees (280°)	105°	STD-22.5φ	¥105,000	Street
SS72A	7.0mm	72 degrees (288°)	105°	STD-22.5φ	¥105,000	Street
SS74A	7.2mm	74 degrees (296°)	104°	STD-22.5φ	¥105,000	Street
SS77A	7.5mm	77 degrees (308°)	103°	23.5φ	¥105,000	Street
TS77C	7.7mm	77 degrees (308°)	103°	25φ	¥105,000	For racing
TS77B	8.0mm	77 degrees (308°)	103°	25φ	¥105,000	For racing
TS77AC	IN8.3 EX7.7	77 degrees(308°)	103°	25φ	¥105,000	For racing
TS77DB	IN8.5 EX8.0	77 degrees(308°)	103°	25φ	¥105,000	For racing

Street Type	A-type SS70A camshaft (280°)						*Base circle diameter 27.9	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	6.9mm	0,30	1.5:1	10.05	15° BTDC - 43° ABDC		104°	2.70
EX	6.9mm	0,30	1.5:1	10.05	45° BBDC - 13° ATDC		106°	2.44

Street Type	A-type SS72A camshaft (288°)						*Base circle diameter 27.8	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	7.0mm	0,30	1.5:1	10.2	19° BTDC - 47° ABDC		104°	3.25
EX	7.0mm	0,30	1.5:1	10.2	49° BBDC - 17° ATDC		106°	2.99

Street Type	A-type SS74A camshaft (296°)						*Base circle diameter 27.3	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	7.2mm	0,30	1.5:1	10.5	24° BTDC - 50° ABDC		103°	3.93
EX	7.2mm	0,30	1.5:1	10.5	52° BBDC - 22° ATDC		105°	3.67

Street Type	A-type SS77A camshaft (308°)						*Base circle diameter 26.7	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	7.5mm	0,30	1.5:1	10.95	31° BTDC - 55° ABDC		102°	4.78
EX	7.5mm	0,30	1.5:1	10.95	57° BBDC - 29° ATDC		104°	4.43

Racing Type	A-type TS77C camshaft (308°)						*Base circle diameter 26.3	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	7.7mm	0,30	1.5:1	11.25	32° BTDC - 56° ABDC		102°	5.12
EX	7.7mm	0,30	1.5:1	11.25	58° BBDC - 30° ATDC		104°	4.84

Racing Type	A-type TS77B camshaft (308°)						*Base circle diameter 25.7	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	8.0mm	0,30	1.5:1	11.7	32° BTDC - 56° ABDC		102°	5.33
EX	8.0mm	0,30	1.5:1	11.7	58° BBDC - 30° ATDC		104°	5.04

Racing Type	A-type TS77AC camshaft (308°)						*Base circle diameter 25.1	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	8.3mm	0,30	1.5:1	12.15	32° BTDC - 56° ABDC		102°	5.33
EX	7.7mm	0,30	1.5:1	11.25	58° BBDC - 30° ATDC		104°	4.84

Racing Type	A-type TS77DB camshaft (308°)						*Base circle diameter 24.7	
Valve timing	Camlift	valve clearance	Rocker Arm Lever ratio	(at 0.3mm) Valve lift	Open (1mm lift)	Closed (1mm lift)	central angle	(When overlapping) Valve lift
IN	8.5mm	0,30	1.5:1	12.45	32° BTDC - 56° ABDC		102°	5.33
EX	8.0mm	0,30	1.5:1	11.7	58° BBDC - 30° ATDC		104°	5.04

Note: The values shown are design values. Please note that the values may vary depending on the individual engine.