


Eccentric Angle Adapters / Stopper Nuts for Shock Absorbers

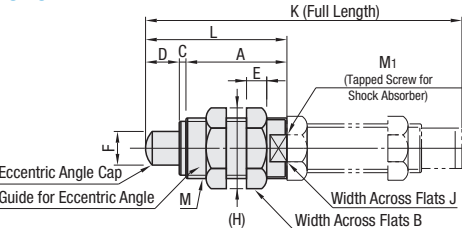
Adjustable / Fixed



Eccentric Angle Adapters

RoHS10

OPCP



Use an Eccentric Angle Adapter with the same number as the Shock Absorber.

No.	Material		Surface Treatment
	Main Body	Cap	
0805, 1005, 1008, 1210, 1410, 1612	SUM	Polyacetal	Electroless Nickel Plating
2016, 2530, 2725, 3035, 3650		SCM415 Alloy Steel (JIS)	

Part Number Type	No.	M ₁	L	A	C	D	E	F	M	Reference (H)	B	J	Reference K	
													MAS	MAKS
OPCP	0805	M8 x 0.75	28	21	2	5	4	6	M12 x 1.0	16.2	14	10	66.5	44.5
	1005	M10 x 1.0					6	8	M16 x 1.5				20.0	19
	1008	M10 x 1.0	38	28		8	—	—	—	—	—	75.7	65	
	1210	M12 x 1.0	48	35		10	5	10	M18 x 1.5	24.3	21	14	97.8	82
	1410	M14 x 1.5	51	38	3	12	7	11	M22 x 1.5	27.7	24	19	103	—
	1612	M16 x 1.5	60	45				12	129				102	
	2016	M20 x 1.5	68	49	16	10	14	M27 x 1.5	37	32	24	146	129	
	2530	M25 x 1.5	107.5	67.5	10	15	16	16	M36 x 1.5	53.1	46	32	212	198
	2725	M27 x 1.5	97	62				25	188				170	
	3035	M30 x 1.5	127	82				35	255				239	
3650	M36 x 1.5	167	107	50				322	—					

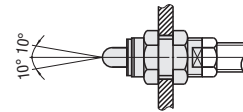
How to Use


Note the following points when using the Eccentric Angle Adapter (for Adjustable and Fixed Types).

It cannot be used for Cap Type Shock Absorbers (MAC, MAKC). For use with No Cap Types (MAS, MAK5).

When installing an eccentric angle adapter on a shock absorber, screw the shock absorber to the eccentric angle adapter cap and tighten it with the standard nut for shock absorbers.

Usable Max. Eccentric Angle	±10°
Replacement Interval (Cycle)	1,000,000

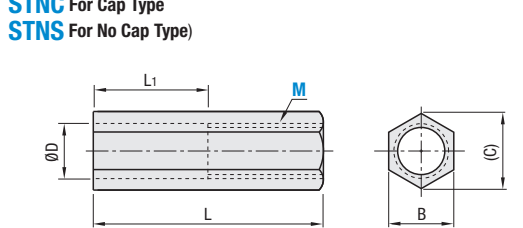




Stopper Nuts For Shock Absorbers

RoHS10

STNC For Cap Type
STNS For No Cap Type



M	Material	Surface Treatment	Hardness
06-14	1045 Carbon Steel or Equivalent	Electroless Nickel Plating	—
16-30			40-47 HRC min.
36		Trivalent Chrome (Chromate)	—

Part Number Type	M	L		D	L ₁		(C)	B	M
		STNC	STNS		STNC	STNS			
STNC Cap	06	10	6	6	5	—	9.2	8	M6 x 0.75
	08	15	10	8	6	—	12.7	11	M8 x 0.75
	10	16		10	5	—	15	13	M10 x 1.0
	12	16	12	12	3	—	16.2	14	M12 x 1.0
	14	20		14	4	—	19.6	17	M14 x 1.5
	16	30	15	16	11	2	21.9	19	M16 x 1.5
STNS No Cap	20	47	30	20	23	6	27.7	24	M20 x 1.5
	25	32	20	25	6	—	37	32	M25 x 1.5
	27	55	35	27	6	M27 x 1.5			
	30	58	38	30	7	7	41.6	36	M30 x 1.5
	36	45	45	38	18	18	53.1	46	M36 x 1.5

How to Use

Note the following points when using the stopper nuts (for Adjustable and Fixed Type).

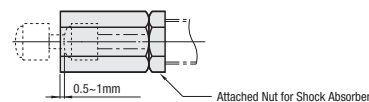
How to Attach Stopper Nuts

- For No Cap Type, put the stopper nut out forward 0.1-1 mm from the shock absorber body (cylinder) to the direction of the piston rod.

- For Cap Type, put the stopper nut out forward the cap length 0.5-1 mm from the shock absorber body (cylinder) to the direction of the piston rod.

After installing the stopper nuts, tighten it with a Standard Nut for Shock Absorbers.


⊗ STNC and STNS cannot be used for EMACN.



Part Number Example	Part Number
	OPCP1008
	STNC12

Shock Absorbers

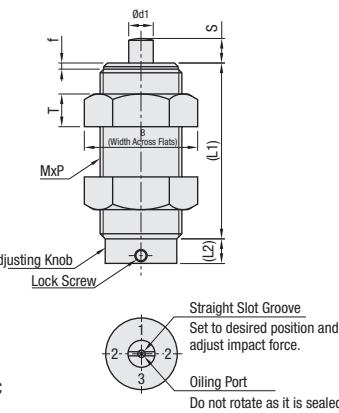
Compact Adjustable / Compact Fixed



Shock Absorbers - Compact Adjustable

RoHS10


MAMS



Operating ambient temperature -5~70°C
Collision Velocity Range 0.3-1m/s
Max. Operating Cycle 60 cycle/min
Impact force can be easily adjusted by turning the flat head screwdriver adjusting slot.

Material: SUM
Surface Treatment: Electroless Nickel Plating

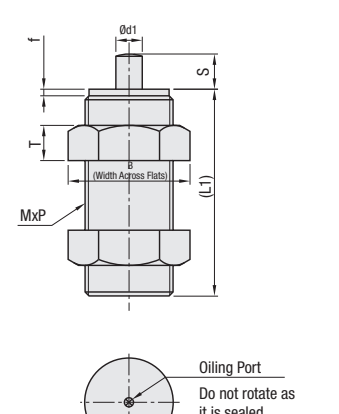
Part Number Type	No.	Thread Diameter M x P	Stroke S	Max. Absorbed Energy (E')		Max. Equivalent Mass (me')	Piston Rod Return Force (N)	Max. Drag Value (N)	(L ₁)	(L ₂)	d ₁	f	B (Wrench Flats)	T
				Per Impact (J)	Per minute (J)									
MAMS	1406	M14 x 1.5	6	3.5	100	80	15	2,000	41	8	4	2	19.6 (17)	6
	1606	M16 x 1.5		4.8	130	120	20	2,700					20 (19)	
	2006	M20 x 1.5		7.8	200	60	16.7	3,920	43	6	8	1.5	27.7 (24)	
	2506	M25 x 1.5		11.7	300	90	19.6	5,880					37 (32)	
	2706	M27 x 1.5		15.6	350	120	22.6	7,840						



Shock Absorbers - Compact Fixed

RoHS10

MAMKS



Operating ambient temperature: -5~70°C
Collision Velocity Range: 0.3-1 m/s
Max. Operating Cycle: 60 cycle/min

Material: Sulfuric and Sulfur Compound Free Cutting Steel
Surface Treatment: Electroless Nickel Plating

Part Number Type	No.	Thread Diameter M x P	Stroke S	Max. Absorbed Energy (E')		Max. Equivalent Mass (me')	Piston Rod Return Force (N)	Max. Drag Value (N)	(L ₁)	d ₁	f	B (Width Across Flats)	T
				Per Impact (J)	Per minute (J)								
MAMKS	1406	M14 x 1.5	6	4.5	100	80	15	2,000	40	4	2	19.6 (17)	6
	1606	M16 x 1.5		5.5	130	120	20	2,700				20 (19)	
	2008	M20 x 1.5		8.8	200	70	14.7	3,430	47	8	1.5	27.7 (24)	
	2508	M25 x 1.5		13.7	300	110	21.6	5,390				37 (32)	
	2708	M27 x 1.5		19.6	350	150	23.5	7,350					

Part Number Example	Part Number
	MAMS2006
	MAMKS2508