

Eccentric Angle Adapters / Stopper Nuts for Shock Absorbers

For Adjustable/Fixed Types

Shock Absorbers

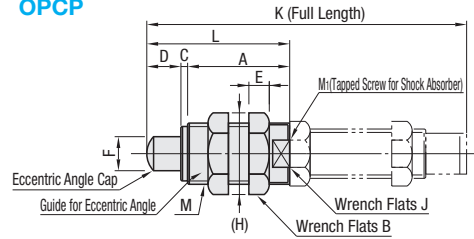
Compact Adjustable/Fixed Type

Eccentric Angle Adapters



RoHS10

OPCP



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

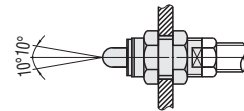
No.	Material		Surface Treatment
	Main Body	Cap	
0805, 1005, 1008 1210, 1410, 1612	SUM	Polyacetal	Electroless Nickel Plating
2016, 2530 2725, 3035, 3650		SCM415	

Part Number Type	No.	M1	L	A	C	D	E	F	M	Reference (H)		Reference K		Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 pcs.	
										B	J	MAS	MAKS			
OPCP	0805	M6x0.75	28	21	2	5	4	6	M12x1.0	16.2	14	10	66.5	44.5		
	1005	M10x1.0														
	1008	M10x1.0	38	28		8	6	8	M16x1.5	20.0	19	13	75.7	65		
	1210	M12x1.0	48	35	3	10	5	10	M18x1.5	24.3	21	14	97.8	82		
	1410	M14x1.5	51	38												
	1612	M16x1.5	60	45		12	12	12	M22x1.5	27.7	24	19	129	102		
	2016	M20x1.5	68	49	10	30	16	10	14	M27x1.5	37	32	24	146	129	
	2530	M25x1.5	107.5	67.5												
	2725	M27x1.5	97	62		35	18	18	M40x1.5	57.7	50	36	255	239		
	3035	M30x1.5	127	82		50	20	20	M45x1.5	63.5	55	41	322	-		
3650	M36x1.5	167	107													

How to Use

- Note the following points when using the Eccentric Angle Adapter (for Adjustable/Fixed Types).
- It cannot be used for Cap Type Shock Absorbers (MAC, MAKC). Please use it for No Cap Types (MAS, MAKs).
- When installing an eccentric angle adapter on a shock absorber, screw the shock absorber to the eccentric angle adapter cap and tighten it with standard nut for shock absorbers.

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



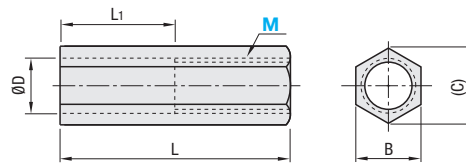
Stopper Nuts for Shock Absorbers



RoHS10

STNC (for Cap Type) STNS (for No Cap Type)

STNC and STNS for M36 are same products.

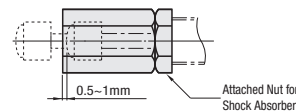


M	Material	Surface Treatment	Hardness
06-14		Electroless Nickel Plating	-
16-30	S45C	Electroless Nickel Plating	40-47HRC
36		Trivalent Chrome (Chromate)	-

Part Number Type	M	L		D	L1		(C)	B	M	STNC		STNS	
		STNC	STNS		STNC	STNS				Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 pcs.	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 pcs.
STNC (Cap)	06	10	6	6	5	-	9.2	8	M6x0.75				
	08	15	10	8	6	-	12.7	11	M8x0.75				
	10	16	10	10	5	-	15	13	M10x1.0				
	12	16	12	12	3	-	16.2	14	M12x1.0				
	14	20	12	14	4	-	19.6	17	M14x1.5				
	16	30	15	16	11	2	21.9	19	M16x1.5				
STNS (No Cap)	20	47	30	20	23	6	27.7	24	M20x1.5				
	25	32	20	25	6	-	37	32	M25x1.5				
	27	55	35	27	23	6	37	32	M27x1.5				
	30	58	38	30	7	7	41.6	36	M30x1.5				
	36	45	45	38	18	18	53.1	46	M36x1.5				

How to Use

- Note the following points when using Stopper Nuts (for Adjustable/Fixed Types).
- How to Attach Stopper Nuts
 - For No Cap Type, put the stopper nut out forward 0.1mm ~ 1mm 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 0.5mm ~ 1mm 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 is not available for EMACN.



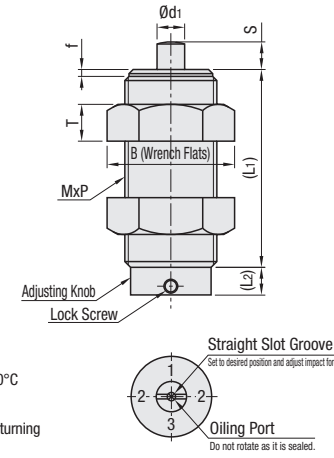
Features: More compact than conventional absorbers. Fits in limited spaces.

Compact Adjustable

MAMS



RoHS10



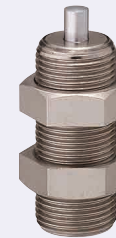
- Operating Ambient Temperature: -5 ~ 70°C
- Collision Velocity Range: 0.3 ~ 1m/s
- Max. Operating Cycle: 60cycle/min
- Impact force can be easily adjusted by turning Straight Slot Groove.

Material: SUM
Surface Treatment: Electroless Nickel Plating

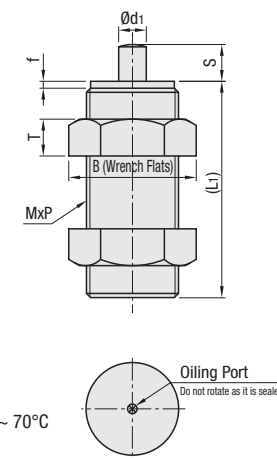
Part Number Type	Thread Dia. No.	Stroke MxP	S	Max. Absorbed Energy (E')		Max. Equivalent Mass (me)/(kg)	Piston Rod Return Force (N)	Max. Drag Value (N)	(L1)	(L2)	d1	f	B (Wrench Flats)	T	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10 pcs.
				per Impact (J)	per Minute (J)											
MAMS	1406	M14x1.5	6	3.5	100	80	15	2,000	41	8	4	2	19.6(17)	6		
	1606	M16x1.5		4.8	130	120	20	2,700					20(19)			
	2006	M20x1.5		7.8	200	60	16.7	3,920	43	6	8	1.5	27.7(24)	8		
	2506	M25x1.5		11.7	300	90	19.6	5,880					37(32)			
	2706	M27x1.5		15.6	350	120	22.6	7,840								

Compact Fixed Type

MAMKS



RoHS10



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

Material: SUM
Surface Treatment: Electroless Nickel Plating

Part Number Type	Thread Dia. No.	Stroke MxP	S	Max. Absorbed Energy (E')		Max. Equivalent Mass (me)/(kg)	Piston Rod Return Force (N)	Max. Drag Value (N)	(L1)	d1	f	B (Wrench Flats)	T	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10 pcs.
				per Impact (J)	per Minute (J)										
MAMKS	1406	M14x1.5	6	4.5	100	80	15	2,000	40	4	2	19.6(17)	6		
	1606	M16x1.5		5.5	130	120	20	2,700				20(19)			
	2008	M20x1.5		8.8	200	70	14.7	3,430	47	8	1.5	27.7(24)	8		
	2508	M25x1.5		13.7	300	110	21.6	5,390				37(32)			
	2708	M27x1.5		19.6	350	150	23.5	7,350							

Ordering Example
Part Number
OPCP1008
STNC12

Ordering Example
Part Number
MAMS2006
MAMKS2508