


Shock Absorbers

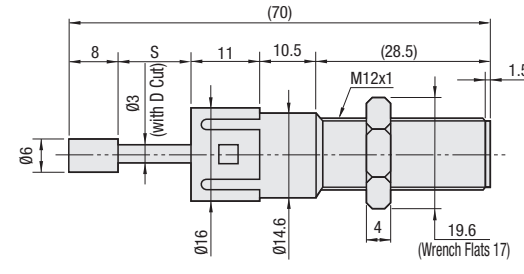
Economy

Shock Absorbers

Adjustable



EMACN




Operating Temp. Range: -10 ~ 50°C
 Durability: 500,000 times
 Collision Velocity Range: No.1212A, B, C: 0.3~1.0 m/s
 No.1212D: 0.1~0.7 m/s
 No.1212E: 0.1~0.5 m/s

Max. Tightening Torque: 1.5N·m
 (When shouldering to Ø14.6, tighten up at 1.0N/m.)

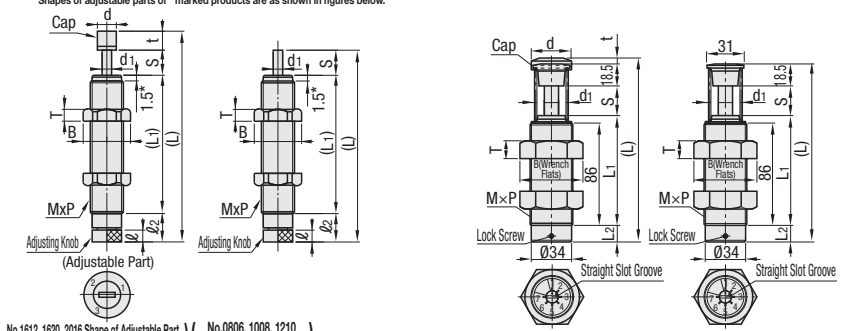
Parts	Material	Surface Treatment
Main Body	PPS	-
Cap	POM	-
Piston Rod	C3604	Electroless Nickel Plating

Accessory: Nut <Opposite Angle 19.6, Opposite Side17>



MAC (Cap) **MAS (No Cap)**

(No.0806*, 1008*, 1210*, 1214, 1410, 1417, 1612*, 1620*, 2016*, 2530*, 2725*, 3035*, 3650*)
 *Shapes of adjustable parts of *marked products are as shown in figures below.



Operating Ambient Temperature: -5 ~ 70°C
 *1.5" is the dimension of thread dia. M14 or smaller (except M8), M8 is 2.3, and M16 or larger is fully threaded.
 *Replace after 1,000,000 cycles.

No.	Material (Main Body)	Surface Treatment
0806	SUS303	-
1008, 1210, 1214, 1410, 1417, 1612, 1620, 3625	SUM	Electroless Nickel Plating
2016, 2530, 2725, 3035, 3650	STKM12C	Electroless Nickel Plating

Part Number	Cap Color	Thread Dia. M	Stroke S	Max. Absorbed Energy (E')		Max. Equivalent Mass (me') (kg)	Piston Rod Return Force (N)	Max. Drag Value (N)	Unit Price	Volume Discount Rate
				per Impact (J)	per Minute (J)					
EMACN	1212A	White	12	0.29	14.7	1.5	2.45	245	1 ~ 4 pc(s)	5 ~ 10 pcs.
	1212B	Black		0.49						
	1212C	Yellow		1.0	5.0	5.0				
	1212D	Green				7.5				
	1212E	Red				10.0				

Ordering Example: **Part Number** EMACN1212A

Part Number	Thread Dia. MxP	Stroke S	Max. Absorbed Energy (E') per Minute (J)	Max. Equivalent Mass (me') (kg)	Piston Rod Return Force (N)	Max. Drag Value (N)	(L)	(L1)	L2	ℓ	d	d1	t	B (Wrench Flats)	T	MAC		MAS																				
																Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate																			
MAC (Cap)	0806	M8 x 0.75	6	1.4	36.7	15	9 or Less	670	58 (53)	41	6	3	6	2.5	5	12.7 (11)	2																					
																		1008	M10 x 1.0	8	1.47	58.8	10	5.88 or Less	637	65.2 (58.9)	42.2	8.7	3.5	6	2.4	6.3	14.2 (13)	3				
																																			1210	M12 x 1.0	10	2.94
	1214	M14 x 1.5	14	5.4	-	30	12.7 or Less	1156	92 (84)	59.5	10.5	5	-	-	-	-	-	-	-	-	-																	
																						1410	M14 x 1.5	10	3.92	147	30	9.8 or Less	1813	88 (80)	59	11	6	-	-	-	-	-
	1417	M14 x 1.5	17	14.7	176	50	15.7 or Less	2646	115 (105)	77.8	10.2	5	4	10	-	-	-	-	-	-	-																	
																						1612	M16 x 1.5	12	9.8	235	50	14.7 or Less	2646	117 (102)	75.5	14.5	4.5	13.5	5	15	20 (19)	6
	1620	M16 x 1.5	20	17.6	-	60	19.6 or Less	-	143 (128)	93.5	-	-	-	-	-	-	-	-	-	-	-																	
																						2016	M20 x 1.5	16	29.4	343	300	18.1 or Less	3528	127 (110)	76	18	4	18	6	17	27.7 (24)	8
	2530	M25 x 1.5	30	49	490	400	33.2 or Less	3920	173 (155)	110	15	-	22	-	18	-	-	-	-	-	-																	
																						2725	M27 x 1.5	25	79.3	539	650	27.3 or Less	6370	156 (136)	91	20	5	23	8	20	37 (32)	10
	3035	M30 x 1.5	35	196	1176	2000	44.1 or Less	16660	206.5 (188)	128	25	-	27	10	18.5	41.6 (36)	14																					
3625																		M36 x 1.5	25	200	1500	3500	100 or Less	25000	155 (150)	92.5	14	-	34	12	5	53.1 (46)	10					
	3650	M36 x 1.5	50	235	2352	6700	68.6 or Less	23520	254.5 (235)	160	25	5	33	12	19.5	-	15																					

* L Dimension values in () are for MAS. kgf · m = Jx0.101972 kgf = Nx0.101972

Collision Velocity Type	Collision Velocity Range	Max. Operating Cycle
Ultra Low Speed S	0.08~0.5m/s	60cycle/min*
Low Speed L	0.3 ~1 m/s	
Medium Speed M	0.3 ~2 m/s	
High Speed H	0.7 ~3 m/s	

* No.0806 is 45cycle/min; No.3035, 3625 and 3650 are 30cycle/min.