

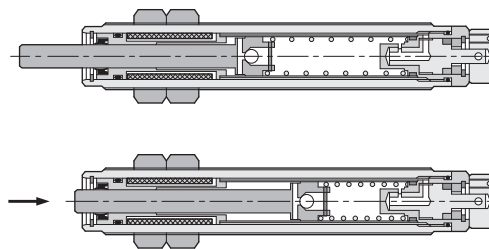
SAC(D) series - Shock absorber

Specification • Order expression

CHELIC



Internal structure



Specification

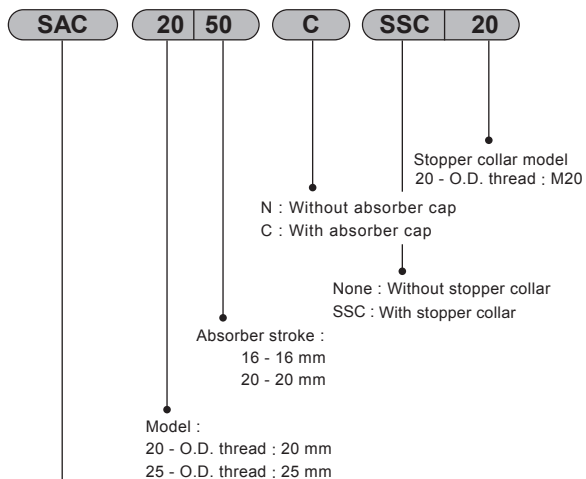
Item	Model	SAC / Non adjustable									SAD / Adjustable					
		SAC - 0806	SAC - 1008	SAC - 1210	SAC - 1416	SAC - 2020	SAC - 2050	SAC - 2525	SAC - 2540	SAC - 3660	SAD - 1410	SAD - 2016	SAD - 2525	SAD - 2540	SAD - 3650	SAD - 4250
Max energy absorption	N · m	2	4	5	20	40	60	80	120	250	20	25	85	100	300	500
Stroke absorption	mm	6	8	10	16	20	50	25	40	60	10	16	25	40	50	50
Max. absorber per hour	kgf	122	360	2000	3060	4100	4100	6630	7350	11100	2040	3200	6350	7350	11100	13000
Max. impact force	kgf	55	70	90	200	300	300	400	400	750	55	136	400	400	750	850
Max. allowable thrust	kgf	6	9	22	54	87	87	153	220	222	36	68	204	204	222	250
Max. impact speed	m / s	1.0					2.0				1.0		2.0		4.5	
Ambient and fluid temperature	°C	-10 ~ 60									-10 ~ 60					
Weight	g	11	20	32	90	215	300	330	430	1030	90	230	350	455	1100	1490
Stopper collar (Optional)		SSC-8	SSC-10	SSC-12	SSC-14	SSC-20		SSC-25		SSC-36	SSC-14	SSC-20	SSC-25		SSC-36	SSC-42

How to select shock absorbers

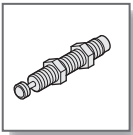
Model 5 kgf/cm ²	Ø10	Ø12	Ø16	Ø20	Ø25	Ø32	Ø40	Ø50	Ø63	Ø80	Ø100
Cylinder thrust	3.9	5.7	10	15.7	24.5	40	62.8	98	155	251	393
SAC - 0806											
SAC - 1008											
SAC - 1210											
SAC - 1416											
SAD - 1410											
SAC - 2020											
SAD - 2016											
SAC - 2050											
SAC - 2525											
SAD - 2525											
SAC - 2540											
SAD - 2540											
SAC - 3660											
SAD - 3650											

1. Applied pressure in 5 kgf/cm².
2. Cylinder speed at 0.5 m / sec.
3. Load below 1/2 of cylinder thrust.
4. Data base on horizontal motion.
5. This table is for reference only.

How to order



SAC : Non adjustable - shock absorber
 SAT : Non adjustable - shock absorber
 SAD : Adjustable - shock absorber

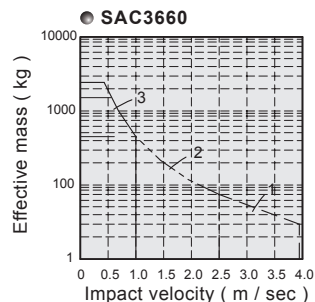
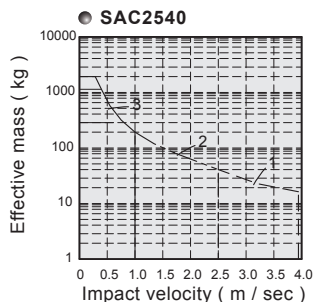
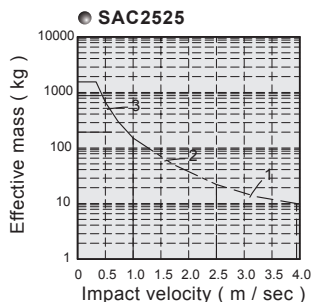
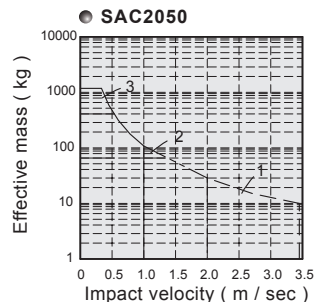
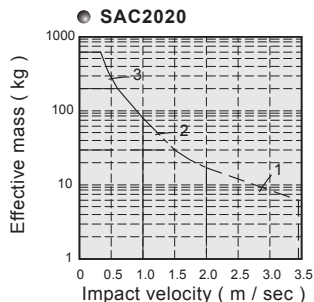
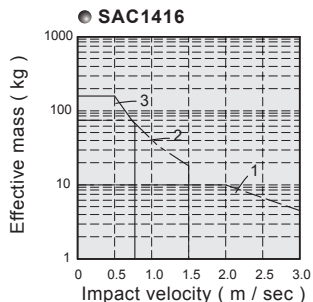
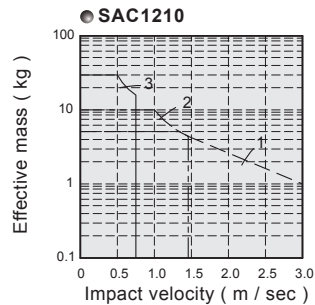
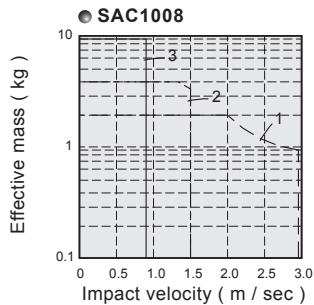
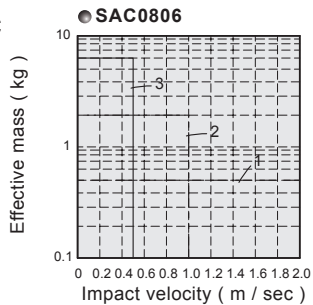


SAC(D) series - Shock absorber

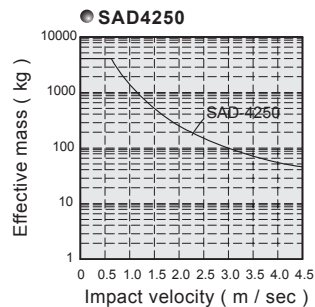
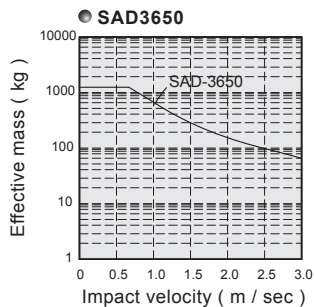
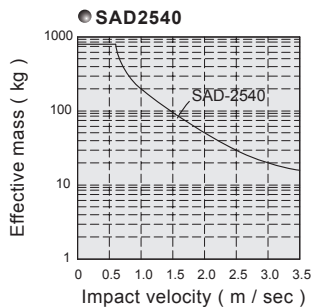
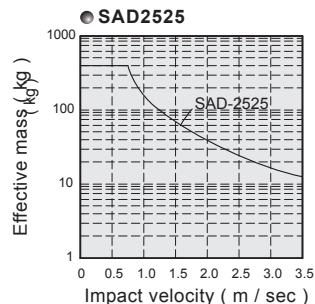
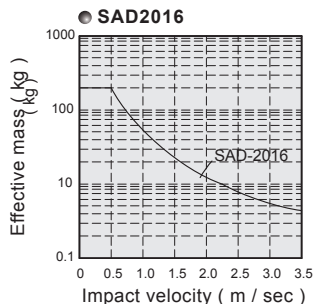
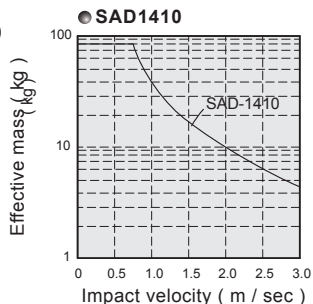
Characteristic diagram

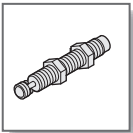
CHELIC

SAC



SAD





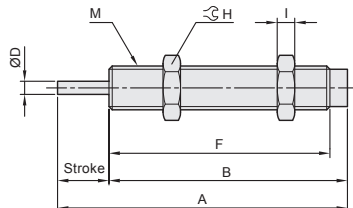
SAC series - Shock absorber

External dimension

CHELIC

● SAC series (Non adjustable)

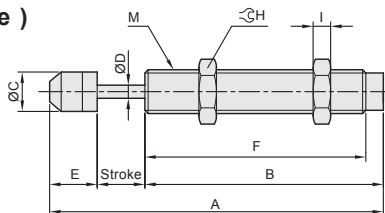
- SAC - 0806, 1008, 1210, 1408
- ※ Without absorber cap - N



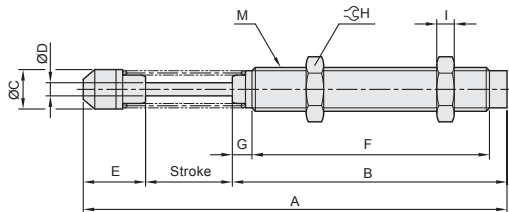
Model	Stroke	A	B	D	F	M	H	I
SAC - 0806N	6	44	38	2.8	33	M8 x 1.0	Cross flat 11	3
SAC - 1005N	5	32.7	27.7	2.8	22.9	M10 x 1.0	Cross flat 12.7	3
SAC - 1008N	8	51	43	3	38	M10 x 1.0	Cross flat 12.7	3
SAC - 1210N	10	60	50	3	45.5	M12 x 1.0	Cross flat 14	4
SAC - 1408N	8	63	55	4	50.5	M14 x 1.5	Cross flat 19	5
SAC - 1412N	12	88	76	4	67	M14 x 1.5	Cross flat 19	5
SAC - 1416N	16	92	95	4	86	M14 x 1.5	Cross flat 19	5
SAC - 2020N	20	130	110	6	101	M20 x 1.5	Cross flat 26	7
SAC - 2525N	25	136	111	8	101	M25 x 1.5	Cross flat 32	9

● SAC series None (Adjustable)

- SAC - 0806, 1008, 1210, 1408, 1416
2020, 2050, 2525



- SAC - 2540, 3660



SAC - 2525N

Model	Stroke	A	B	C	D	E	F	G	M	H	I
SAC - 0806C	6	50	38	6.6	2.8	6	33	-	M8 x 1.0	Cross flat 11	3
SAC - 1005C	5	38.7	27.7	8.6	2.8	6	22.9	-	M10 x 1.0	Cross flat 12.7	3
SAC - 1008C	8	57	43	8.6	3	6	38	-	M10 x 1.0	Cross flat 12.7	3
SAC - 1210C	10	69.5	50	10.3	3	9.5	45.5	-	M12 x 1.0	Cross flat 14	4
SAC - 1408C	8	77.5	55	12	4	14.5	50.5	-	M14 x 1.5	Cross flat 19	5
SAC - 1412C	12	99	76	12	4	11	67	-	M14 x 1.5	Cross flat 19	5
SAC - 1416C	16	122	95	12	4	11	86	-	M14 x 1.5	Cross flat 19	5
SAC - 2020C	20	145	110	18	6	15	101	-	M20 x 1.5	Cross flat 26	7
SAC - 2050C	50	232	167	18	6	15	158	-	M20 x 1.5	Cross flat 26	8
SAC - 2525C	25	155	111	22	8	19	101	-	M25 x 1.5	Cross flat 32	9
SAC - 2540C	40	214	137	22	8	37	117	10	M25 x 1.5	Cross flat 32	9
SAC - 2580C	80	336	237	22	8	19	100	-	M25 x 1.5	Cross flat 32	11
SAC - 3660C	60	248	162	35.5	10	26	134	17	M36 x 1.5	Cross flat 46	15