AC Series Self-compensation Type Shock Absorber



Ordering Code

AC Series Self-compensation Type Shock Absorber

AC - 14 16 - 1 - N

- AC: Series code — AC: Self-compensation type
- 14: O.D. thread size
- 16: Stroke
- 1: Impact speed — 1: High speed (Light load); 2: Middle speed (Middle load); 3: Low speed (Heavy load)
- N: Prevention crash cap — Nil: With plastic cap; R: No cap

Specifications

Model	Stroke (mm)	Max. absorbed energy [N·m (E1)]	Max. energy absorbed /hour [(N·m/h) (Etc)]	Max. effective mass [(kg) (Me)]	Max. impact speed (m/s) (V)	Temperature (℃)	Weight (g)
AC0604	4	1	6.50	0.2 to 3.0	0.2 to 2.0	-10 to 80	7
AC0806	6	2	8.80	0.5 to 6.0	0.5 to 2.0	-10 to 80	11
AC1005	5	3	10.80	1.0 to 7.0	0.8 to 3.0	-10 to 80	14
AC1008	8	4	15.20	2.0 to 9.0	0.8 to 3.0	-10 to 80	20
AC1210	10	5	17.64	5.0 to 30.0	0.8 to 3.0	-10 to 80	31.5
AC1410	10	5	28.00	8.0 to 35.0	0.8 to 3.0	-10 to 80	78
AC1412	12	15	30.00	8.0 to 40.0	0.8 to 3.0	-10 to 80	80
AC1416	16	20	35.00	8.0 to 45.0	0.8 to 3.0	-10 to 80	80
AC1425	25	25	40.00	10.0 to 55.0	0.8 to 3.0	-10 to 80	95
AC2016	16	35	40.00	10.0 to 100.0	1.0 to 3.5	-10 to 80	190
AC2020	20	40	40.00	15.0 to 120.0	1.0 to 3.5	-10 to 80	215
AC2030	30	45	40.00	15.0 to 125.0	1.0 to 3.5	-10 to 80	220
AC2050	50	50	48.00	15.0 to 145.0	1.0 to 3.5	-10 to 80	220
AC2525	25	80	54.00	35.0 to 350.0	1.0 to 4.0	-10 to 80	330
AC2540	40	120	75.00	40.0 to 400.0	1.0 to 4.0	-10 to 80	430
AC2550	50	98	90.00	15.0 to 160.0	1.0 to 4.0	-10 to 80	435
AC2580	80	150	120.00	20.0 to 200.0	1.0 to 4.0	-10 to 80	535
AC3660	60	250	120.00	100.0 to 600.0	1.0 to 4.0	-10 to 80	1030

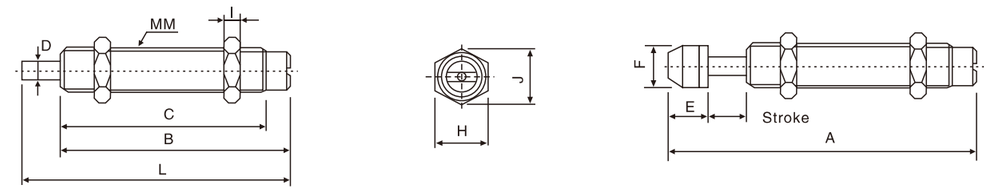
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AC Series Self-compensation Type Shock Absorber

Main Dimensions

Basic type/AC0604-N AC0806-N AC1005-N AC1008-N AC1210-N

With cap/AC0604 AC0806 AC1005 AC1008 AC1210

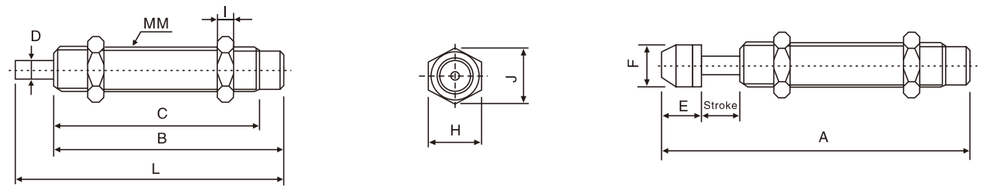


(mm)

Model		Dimensions					With cap			Hexagon nut		
Basic type	With cap	MM	L	B	C	D	A	E	F	H	I	J
AC0604-N	AC0604	M6×0.75	32	27.8	22	1.8	37	4.5	4.5	7.8	3	9
AC0806-N	AC0806	M8×1.0	44	38	33	3	50	6	6.6	11	3	12.5
AC1005-N	AC1005	M10×1.0	32.7	27.7	22.9	3	38.7	6	8.6	12.7	3	14.5
AC1008-N	AC1008	M10×1.0	53	45	38	3	60	7	8.6	12.7	3	14.5
AC1210-N	AC1210	M12×1.0	62	52	45.5	3	70	9	10.3	14	4	16

Basic type/AC1410-N AC1412-N AC1416-N AC1425-N AC2016-N AC2020-N AC2030-N AC2050-N AC2525-N AC2530-N

With cap/AC1410 AC1412 AC1416 AC1425 AC2016 AC2020 AC2030 AC2050 AC2525 AC2530



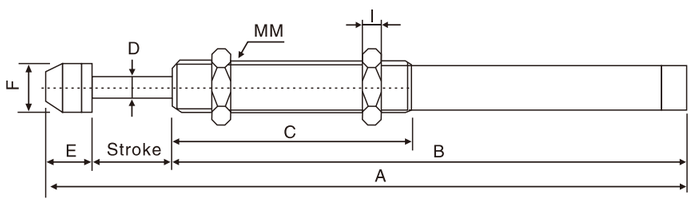
(mm)

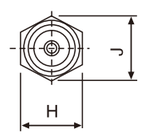
Model		Dimensions					With cap			Hexagon nut		
Basic type	With cap	MM	L	B	C	D	A	E	F	H	I	J
AC1410-N	AC1410	M14×1.5	85	75	65	4	97	12	12	19	5	21.6
AC1412-N	AC1412	M14×1.5	96	82	72	4	106	12	12	19	5	21.6
AC1416-N	AC1416	M14×1.5	98	82	72	4	110	12	12	19	5	21.6
AC1425-N	AC1425	M14×1.5	126	101	90	4	138	12	12.5	19	5	21.6
AC2016-N	AC2016	M20×1.5	110	94	85	6	127	16	18	26	8	29.7
AC2020-N	AC2020	M20×1.5	130	110	101	6	147.5	16	18	26	8	29.7
AC2030-N	AC2030	M20×1.5	140	110	101	6	156	16	18	26	8	29.7
AC2050-N	AC2050	M20×1.5	204	154	145	6	220	16	18	26	8	29.7
AC2525-N	AC2525	M25×1.5	135	110	101	8	154	19	22	32	10	36.7
AC2530-N	AC2530	M25×1.5	140	110	101	8	159	19	22	32	10	36.7

AC Series Self-compensation Type Shock Absorber

Main Dimensions

AC2550
AC2580

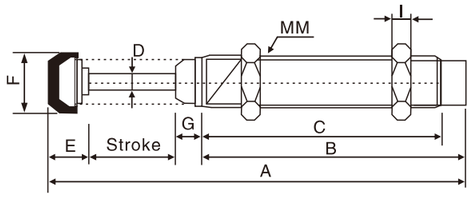


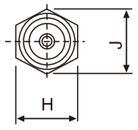


(mm)

Model	Dimensions							Hexagon nut		
	MM	A	B	C	D	E	F	H	I	J
AC2550	M25×1.5	240	170.5	100	8	20	22	32	10	36.7
AC2580	M25×1.5	332	233	100	8	20	22	32	10	36.7

AC2540
AC3660





(mm)

Model	Dimensions								Hexagon nut		
	MM	A	B	C	D	E	F	G	H	I	J
AC2540	M25×1.5	218	135	117	8	33	22	10	32	10	36.7
AC3660	M36×1.5	248	146	134	10	25.8	35	17	46	15	53

AD Series Adjustable Type Shock Absorber







Ordering Code

AD Series Adjustable Type Shock Absorber

AD - 14 16 - 1 - N

- AD: Series code — AD: Adjustable type
- 14: O.D. thread size
- 16: Stroke
- 1: Impact speed — 1: High speed (Light load); 2: Middle speed (Middle load); 3: Low speed (Heavy load)
- N: Prevention crash cap — Nil: With plastic cap; R: No cap

Specifications

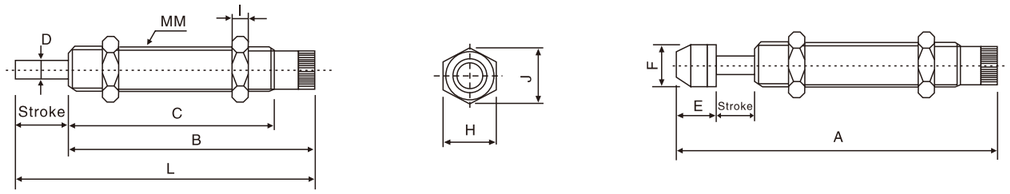
Model	Stroke (mm)	Max. absorbed energy [N·m (E1)]	Max. energy absorbed /hour [(N·m/h) (Etc)]	Max. effective mass [(kg) (Me)]	Max. impact speed (m/s) (V)	Temperature (℃)	Weight (g)
AD1410	10	20	25000	40	3.0	-10 to 80	84
AD1412	12	20	25000	40	3.0	-10 to 80	84
AD1416	16	22	25000	45	3.0	-10 to 80	90
AD1425	25	22	25000	45	3.0	-10 to 80	90
AD2016	16	25	30000	150	3.5	-10 to 80	230
AD2020	20	25	30000	150	3.5	-10 to 80	230
AD2025	25	39	30000	160	3.5	-10 to 80	240
AD2525	25	85	54000	200	3.5	-10 to 80	350
AD2530	30	95	60000	230	3.5	-10 to 80	365
AD2540	40	100	80000	300	3.5	-10 to 80	455
AD2550	50	98	90000	300	4.0	-10 to 80	455
AD2580	80	150	120000	350	4.0	-10 to 80	585
AD3625	25	150	81000	650	3.0	-10 to 80	955
AD3650	50	300	100000	750	3.0	-10 to 80	1100
AD4225	25	260	125000	900	3.5	-10 to 80	1280
AD4250	50	500	150000	1000	4.5	-10 to 80	1490
AD4275	75	750	180000	1200	4.5	-10 to 80	1710
AD64050	50	1200	150000	2000	1.5	-10 to 80	4115
AD64100	100	2400	200000	3000	1.5	-10 to 80	5280
AD64150	150	3600	250000	4000	1.5	-10 to 80	6785

AD Series Adjustable Type Shock Absorber

Main Dimensions

Basic type/AD1410-N AD1412-N AD1416-N
AD1425-N AD2016-N AD2020-N
AD2030-N AD2050-N AD2525-N
AD2530-N

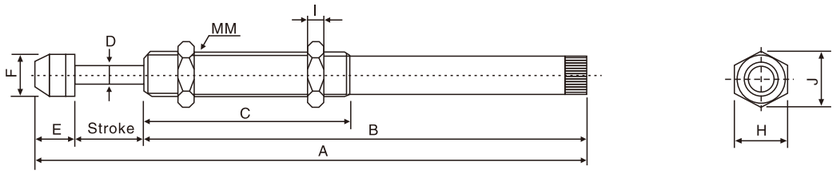
With cap/AD1410 AD1412 AD1416
AD1425 AD2016 AD2020
AD2030 AD2050 AD2525
AD2530



(mm)

Model		Dimensions					With cap			Hexagon nut		
Basic type	With cap	MM	L	B	C	D	A	E	F	H	I	J
AD1410-N	AC1410	M14×1.5	90	80	65	4	102	12	12	19	5	21.6
AD1412-N	AC1412	M14×1.5	99	87	72	4	111	12	12	19	5	21.6
AD1416-N	AC1416	M14×1.5	103	87	72	4	113	12	12	19	5	21.6
AD1425-N	AC1425	M14×1.5	131	106	90	4	143	12	12	19	5	21.6
AD2016-N	AC2016	M20×1.5	116	100	85	6	132	16	18	26	8	29.7
AD2020-N	AC2020	M20×1.5	136	116	101	6	152	16	18	26	8	29.7
AD2025-N	AD2025	M20×1.5	141	116	101	6	157	16	18	26	8	29.7
AD2030-N	AC2030	M20×1.5	146	116	101	6	162	16	18	26	8	29.7
AD2050-N	AC2050	M25×1.5	210	160	145	6	226	16	18	26	8	29.7
AD2525-N	AC2525	M25×1.5	142	117	101	8	160	19	22	32	10	36.7
AD2530-N	AC2530	M25×1.5	147	117	101	8	165	19	22	32	10	36.7

AD2550
AD2580



(mm)

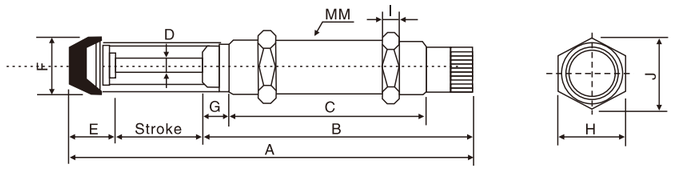
Model	Dimensions							Hexagon nut		
	MM	A	B	C	D	E	F	H	I	J
AD2550	M25×1.5	247.5	177.5	100	8	20	22	32	10	36.7
AD2580	M25×1.5	340	242	100	8	20	22	32	10	36.7

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AD Series Adjustable Type Shock Absorber

Main Dimensions

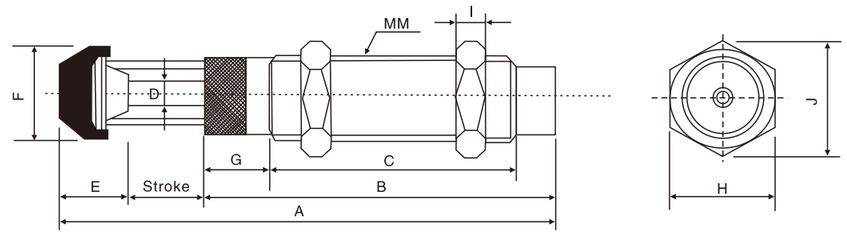
AD2540
AD3625
AD3650
AD3675



(mm)

Model	Dimensions								Hexagon nut		
	MM	A	B	C	D	E	F	G	H	I	J
AD2540	M25×1.5	218	145	117	8	34	22	10	32	10	36.7
AD3625	M36×1.5	183.8	134	96	10	25.8	35	10	46	15	53
AD3650	M36×1.5	248	172	134	10	25.8	35	16	46	15	53
AD3675	M36×1.5	308	200	160	10	34	35	16	46	15	53

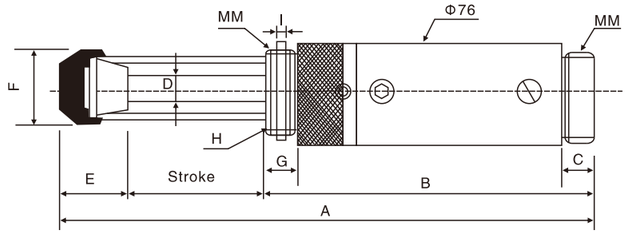
AD4225
AD4250
AD4275



(mm)

Model	Dimensions								Hexagon nut		
	MM	A	B	C	D	E	F	G	H	I	J
AD4225	M42×1.5	192	129	86	12	35	46	28.5	50	15	58
AD4250	M42×1.5	250	164	120	12	35	46	28.5	50	15	58
AD4275	M42×1.5	304	191	148	12	39	46	28.5	50	15	58

AD64050
AD64100
AD64150



(mm)

Model	Dimensions								Nut	
	MM	A	B	C	D	E	F	G	H	I
AD64050	UNF 2 1/2-12	247.8	146	26	20	51.8	59	23	Φ76.2	9.4
AD64100	UNF 2 1/2-12	347.8	196	26	20	51.8	59	23	Φ76.2	9.4
AD64150	UNF 2 1/2-12	467.8	256	26	20	61.8	59	23	Φ76.2	9.4