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Find the *Intelligent Actuator AS-12G2-35-200* at our website: *Click HERE*

AS-12G2-35

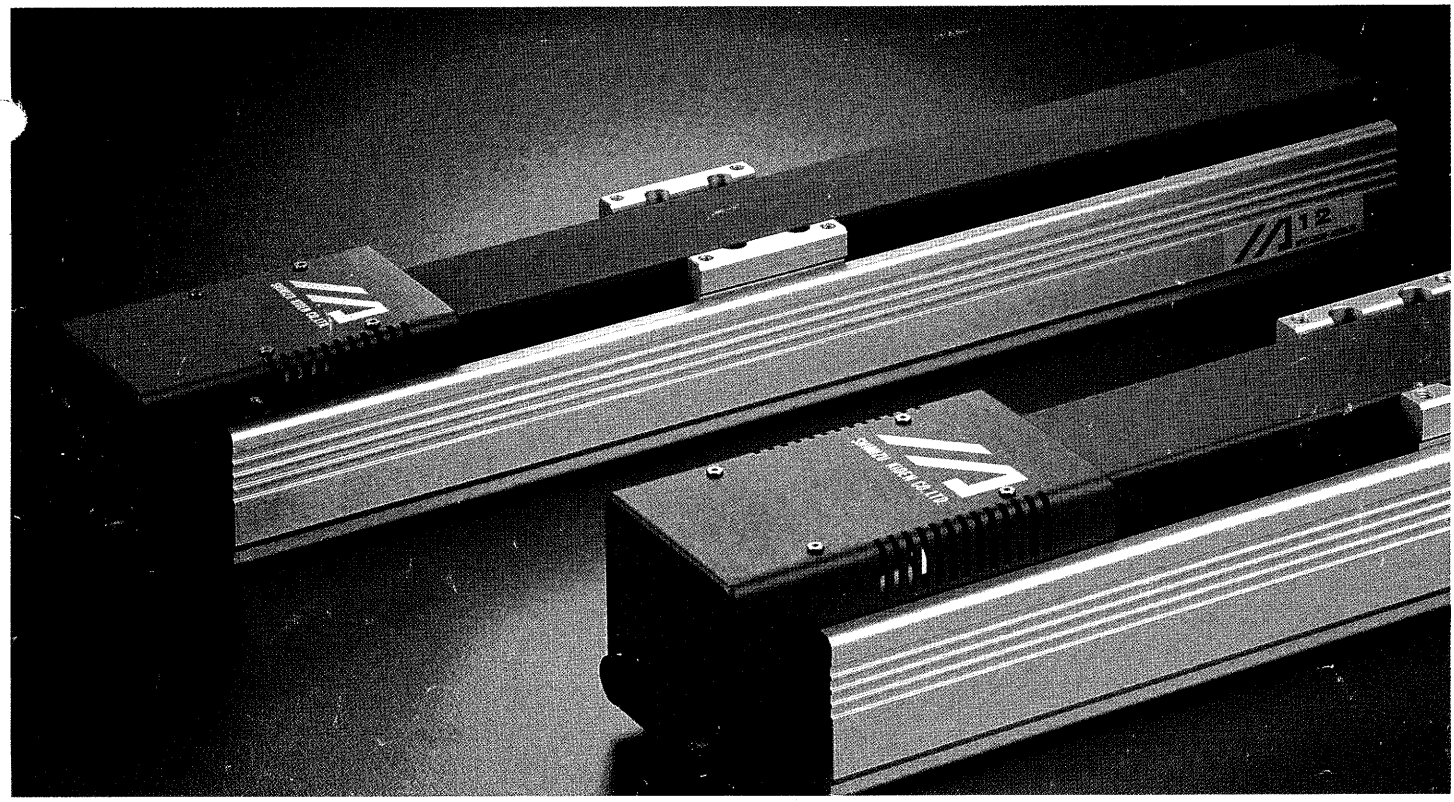
Ballscrew Actuator with Dual Linear Guide

INTELLIGENT ACTUATOR



AS-12L-20 • 60

Ballscrew Actuator with Single Linear Guide



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AS-12L-20

Stroke Length (in)	100 (3.9")	200 (7.9")	300 (11.8")
Unit Weight (lbs)	2.9 (6.4)	3.5 (7.7)	4.0 (8.8)

AS-12L-60

Stroke Length (in)	200 (7.9")	300 (11.8")	400 (15.8")	500 (19.7")	600 (23.6")
Unit Weight (lbs)	5.8 (12.8)	6.5 (14.3)	7.2 (15.9)	8.0 (17.6)	8.7 (19.2)

Type		AS-12L-20	AS-12L-60
Rated Power	W	20W	60W
Rated Speed	mm/sec	250mm/sec (9.8 in/sec)	400mm/sec (15.8 in/sec)
Rated Thrust	kgf	7 (15.4 lbs)	13 (28.7 lbs)
Repeatability	mm	+/-0.02 mm (+/-.0008")	+/-0.02 mm (+/-.0008")
Motor		DC Servo Motor	DC Servo Motor
Encoder		Attached to Motor	Attached to Motor
Ballscrew		ϕ10mm • 6mm lead, Roll Thread C10 0.1mm or less backlash.	ϕ12mm • 8mm lead, Roll Thread C10 0.1mm or less backlash.
Guide		LM Guide: HRW17CA1UU (1 pce)	LM Guide: HRW217CA1UU (1 pce)
Motor/Ballscrew		Direct Coupling	Direct Coupling
Base		Extruded Aluminum (A6063S-T5) Alumite	Extruded Aluminum (A6063S-T5) Alumite
Max Speed (*1)	mm/sec	400mm/sec (15.7 in/sec)	500mm/sec (19.7 in/sec) if 600mm then 400mm/sec
Max Thrust (*2)	kgf	13 (28.7 lbs)	25 (66.15 lbs)
Payload (*3, 4)	kgw	5 (11 lbs) or less (Hz) • 4 (8.8 lbs) or less (Vt)	10 (22 lbs) or less (Hz) • 8 (17.6 lbs) or less (Vt)
Moment	kgf*m	Ma: 0.37 (32.3 in-lbs) • Mb: 0.38 (33.2 in-lbs) Mc: 0.64 (55.9 in-lbs)	Ma: 0.77 (67.3 in-lbs) • Mb: 0.8 (69.9 in-lbs) Mc: 1.93 (168.7 in-lbs)
Overhang Length	mm	160mm (6.3") or less	200mm (7.9") or less

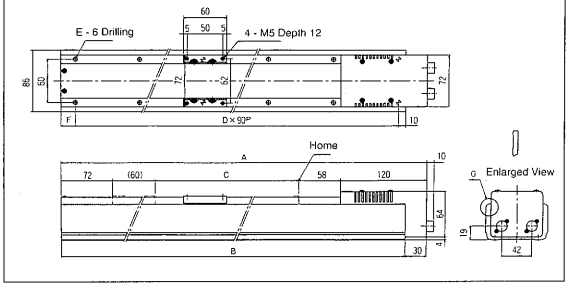
AS-12L-20

Stroke	100	200	300
A	410	510	610
B	380	480	580
C	100	200	300
D	4	5	6
E	10	12	14
F	10	20	30

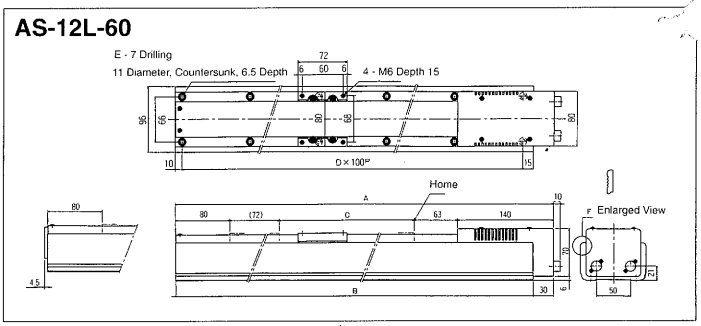
AS-12L-60

Stroke	200	300	400	500	600
A	555	655	755	855	955
B	525	625	725	825	925
C	200	300	400	500	600
D	5	6	7	8	9
E	12	14	16	18	20

AS-12L-20

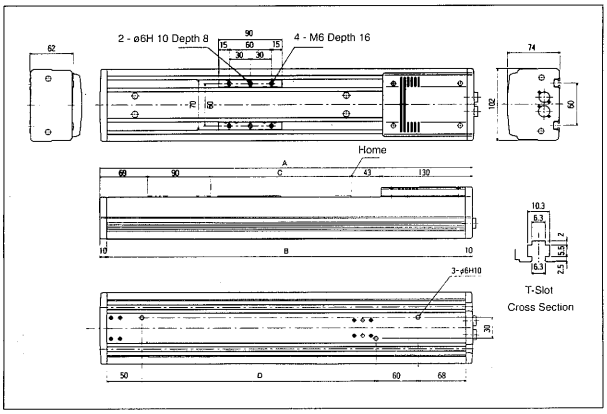


AS-12L-60



AS-12G2-35 Actuator

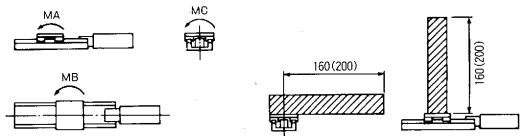
Type		AS-12G2-35			
Stroke Length	mm	100	200	300	400
Rated Power	W	34W			
Rated Speed	mm/sec	300mm/sec (11.8 in/sec)			
Rated Thrust	kgf	10 (22.05 lbs)			
Repeatability	mm	+/-0.02 (+/-.0008")			
Unit Weight	kg	3.8	4.5	5.2	5.9
Motor		DC Servo Motor			
Encoder		Attached to Motor			
Ballscrew		ϕ 10mm • 6mm lead • Rolled Thread C10 • Backlash 0.1mm or less			
Linear Guide		Linear Motion Guide: 2RSR12UU (2 pieces)			
Motor/Ballscrew		Direct Coupling			
Base		Extruded Aluminum (A6063S-T5) White Alumite treatment			
Max Speed	mm/sec	400 mm/sec (15.7 in/sec)			
Max Thrust (*1)	kgf	20 (44.1 lbs)			
Payload (*2, 3)	kgw	20 (44.1 lbs) or less Horiz • 6 (13.23 lbs) or less Vert			
Moment (*2, 4)	kgf • m	Ma: 3 (262 in-lbs) • Mb: 3 (262 in-lbs) • Mc: 4 (350 in-lbs)			
Overhang	mm	400mm (15.7") or less			



AS-12G2-35

Stroke	100	200	300	400
A	432	532	632	732
B	412	512	612	712
C	100	200	300	400
D	234	334	434	534

Note: Ballscrew, Brake, Limit Switches Sensors are all mounted internally within the actuator so as not to alter the external dimensions. Motor and Encoder Connectors can also be optimally relocated to accommodate customer space limitation or other requirements.



For AS-12L-20 • 60

*1) For the 60W model with 600mm stroke, do not move faster than the rated speed, 100mm from either end of the stroke length. (Vibration could result due to the long length of the screw).
*2) At 10 mm/sec for 5 seconds (20W) and 10 mm/sec for 10 seconds (60W
*3) Payload evenly distributed on slide. Actuator mounted on flat and steady base. (See Diagram Above)
*4) 0.3G Acceleration, 250 mm/sec speed (20W), 400 mm/sec speed (60W).

For AS-12G2-35

*1) At 10 mm/sec moving for 10 seconds
*2) Payload evenly distributed on slide. Actuator mounted on flat and steady base.
*3) Acceleration time constant is 150 mm, 400mm/sec speed.
*4) Center of gravity is half of overhang load length.

INTELLIGENT ACTUATOR

U.S. Sales Offices

IAI America, Inc., (U.S. Headquarters)
357 Van Ness Way, Suite 20, Torrance, CA 90501.
(800) 736-1712 • (310) 320-4553 FAX

IAI America Inc., (Illinois Regional Office)
949-A N. Plum Grove Road, Schaumburg, IL 60173.
(800) 944-0333 • (708) 995-0330 FAX

IAI America Inc., (N. California Regional Office)
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