ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *IAI 12R2-100-200BL R AC* at our website: *Click HERE*

RII Standard Specifications and Dimensions

AS-12RII-60 • 100

Stroke	200 (7.9")	300 (11.8")	400 (15.7")	500 (19.7")	800 (31.5")	1000 (39.4")	1100 (43.3")	1200 (47.2")
Unit Wt (kg)	8.1 (17.9#)	9.1 (20.1#)	10.1 (22.3#)	11.1 (24.5#)	14.1 (31.1#)	16.1 (35.5#)	17.1 (37.7#)	18.1 (39.9#)

TYPE		AS-12RII-60	AS-12RII-100
Rated Power	W	60	100
Rated Speed	mm/sec	400 (15.7 in/sec)	
Rated Thrust	kgf	13 (28.7 lbs)	21 (46.3 lbs)
Repeatability	mm	+/-0.02 (+/-0.0008")	
Motor		DC Servo Motor	
Encoder		Motor One Body Type	
Ballscrew		ϕ16mm • 16 mm Lead • Roll Thread C10 • Backlash 0.1mm or less	
Guide		Linear Motion Guide: SR-15V2UU (2 each)	
Motor/Ballscrew Connection		Timing Belt • Gear Reduction 1/2	
Base		Extruded Aluminum (A6063S-T5) White Alumite Treatment	
Maximum Speed *1	mm/sec	500 (1000 mm stroke at 400 mm/sec • 1100 mm stroke at 350 mm • 1200 mm stroke at 300 mm)	
Maximum Thrust *2	kgf	25 (55.1 lbs)	41 (90.4 lbs)
Payload *3.4	kgw	Horizontal : 30 kgw or less • Vertical : 8 kgw or less	Horizontal : 45 kgw or less • Vertical : 13 kgw or less
Moment *3.5	kgf • m	MA : 7 MB : 7 MC : 7	
Overhang Load Length *6	mm	600 or less	

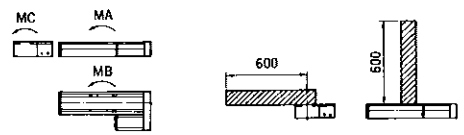
*1For an 800 mm or longer stroke actuator, use the rated or less than rated speed within a 100 mm distance from the stroke end to avoid ballscrew resonance.

*2At a speed of 10 mm/sec for 10 seconds.

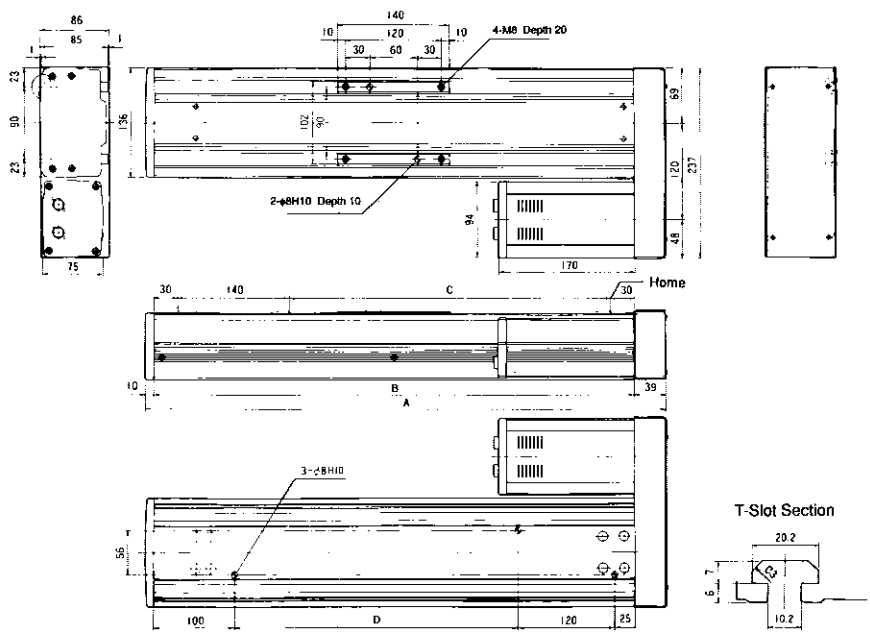
*3 Load uniformly distributed on the slide. Base affixed to a flat, strong frame.

*4 At an acceleration of 0.3G, and 400 mm/sec speed.

*5See Figures



*6The center of gravity exists at the half-way point of the overhang load length.



AS-12RII-60 • 100

Stroke	200	300	400	500	600	700	800	900	1000	1100	1200
A	449	549	649	749	849	949	1049	1149	1249	1349	1449
B	400	500	600	700	800	900	1000	1100	1200	1300	1400
C	200	300	400	500	600	700	800	900	1000	1100	1200
D	155	255	355	455	555	655	755	855	955	1055	1155

*Actuator with brake has same dimensions

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP