HOURS

Rotation Motorized Stages

RoHS CE

Stepping motor driven rotation stages fitted with bearing guide and worm gear feed mechanism.

ARMS

Application Systems

Machine Vision

Manual Positions

Motion Control Products

Optical & Mirror Holder

FA Parts

Measurement &Control

FA Electrical Parts

Tool & Measure

Cleanroom & AntiStatic

Index

Piezo Stage

Precision Linear MS High Speed MS

Motorized Gonimeter

Motorized Rotation

Multiaxis Motorized

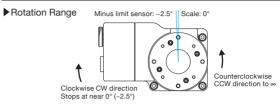
Industrial Robot Controller & Driver & Cable

Custom-Built MS



• Motorized stages suitable for positioning for measuring, inspection and evaluation instruments.

Guide



- Homing of rotation motorized stages is performed using the CW limit sensor as the origin sensor.
- Origin detection is adjusted so that the stage stops at 0 degree when homing is performed in the MINI system at half step.

Attention

- Attention is required when mounting in upside down orientation or on a vertical plane.
- Precision and load capacity specifications may be partly not satisfied depending on the mounting orientation.

Part Number			ARMS-40	ARMS-60-0B	ARMS-60-W-0B
F	Rotation Range		Move in the counterclockwise CCW direction to ∞, and stop at near 0 degree (-2.5°) in the clockwise CW direction.		
1	Table Size [mm]		<i>φ</i> 40	<i>φ</i> 60	φ60
Mechanical (Travel Mechanism (reduction ratio)		Worm gear (1:144)	Worm gear (1:144)	Worm gear (1:144)
Specifications F	Positioning Slide		Bearing method	Bearing method	Bearing method
S	Stage Material		Aluminum / Aluminum bronze	Aluminum / Aluminum bronze	Aluminum / Aluminum bronze
١	Weight [kg]		0.35	0.45	1.0
	Deselution	(Full) [°/pulse]	0.005	0.005	0.005
r	Resolution	(Half) [°/pulse]	0.0025	0.0025	0.0025
1	MAX Speed [°/sec]		30	30	30
F	Positioning Accuracy [°]		0.1	0.1	-
F	Positional Repeatability [°]		0.02	0.02	0.02
Accuracy	Load Capacity [N]		19.6 (2.0kgf)	29.4 (3.0kgf)	29.4 (3.0kgf)
Specifications	Moment Stiffness ["/N·cm]		2	1	_
L	Lost Motion [°]		0.05	0.05	0.05
E	Backlash [°]		0.1	0.1	0.1
F	Parallelism [µm]		50	50	-
(Concentricity [µm]		30	30	_
N	Wobble [mm]		0.02	0.02	_
S	Sensor Part Number		Micro Photoelectric Sensor: PM-F24 (SUNX Co., Ltd.)	Micro Photoelectric Sensor: PM-R24 (SUNX Co., Ltd.)	Micro Photoelectric Sensor: PM-R24 (SUNX Co., Ltd.)
Sensor L	Limit Sensor		Equipped (NORMAL CLOSE)	Equipped (NORMAL CLOSE)	Equipped (NORMAL CLOSE)
(Origin Sensor		None	None	None
F	Proximity Origin Sensor		None	None	None

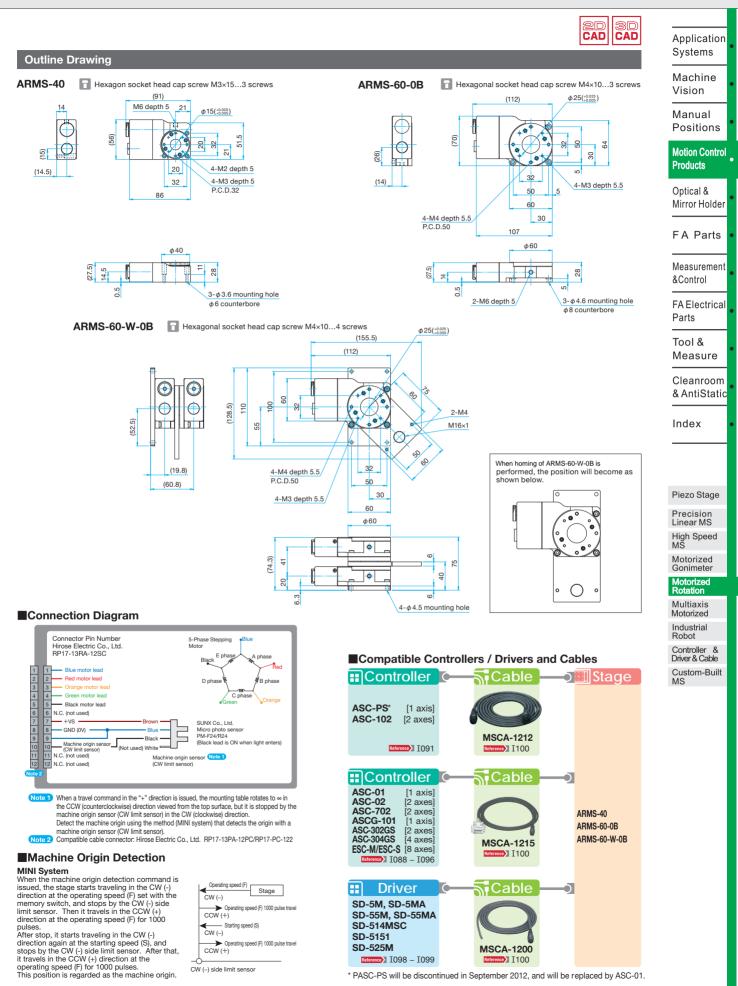
Motor / Sensor Specifications					
Motor	Туре	5-phase stepping motor 0.66A/phase (Tamagawa Seiki Co., Ltd.)			
	Motor Part Number	TS3664N4 (□24mm)			
	Step Angle	0.72°			
Sensor	Power Voltage	DC5 - 24V ±10%			
	Current Consumption	15mA or lower			
	Control Output	NPN open collector output DC30V or lower, 50mA or lower			
	Output Logic	When shaded: Output transistor OFF (no conduction)			

Compatible Driver / Controller					
Control System	Compatible Driver	SD-5M, SD-5MA, SD-55M, SD-55MA, SD-514MSC, SD-5151, SD-525M			
	Compatible Controller	ASC-PS,ASC-01, ASC-102, ASC-02, ASC-702, ASCG-101, ASC-302GS, ASC-304GS, ESC-M/ESC-S			

CE

RoHS

Rotation Motorized Stages



HOURS Industrial Equipment(HK) Co.,Ltd :

URL www.hours-web.com MAIL info@hours-web.com

ARMS

CW (-) side limit sensor

* PASC-PS will be discontinued in September 2012, and will be replaced by ASC-01.

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I098 – I099