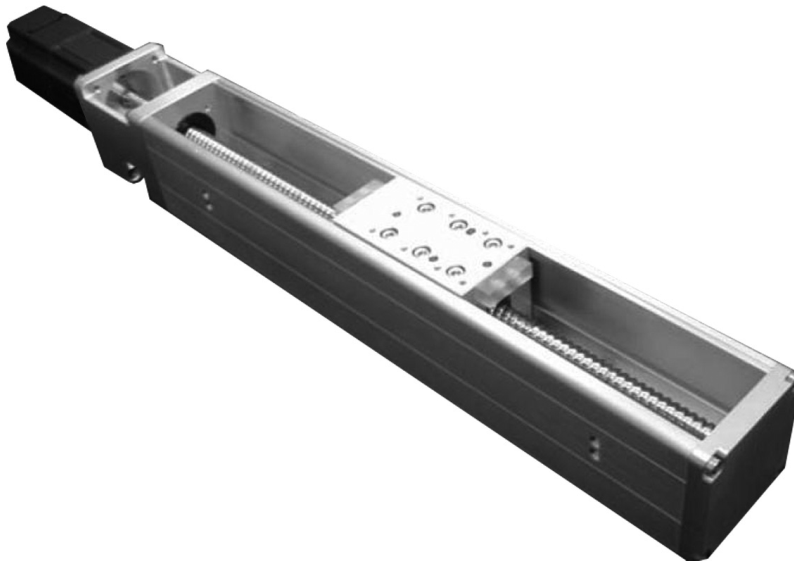# SGB Series
Single Guides Ball Screw Module

- Compact size

- Simplicity in design with built in concealed limit switches

- Assemble with servo motor
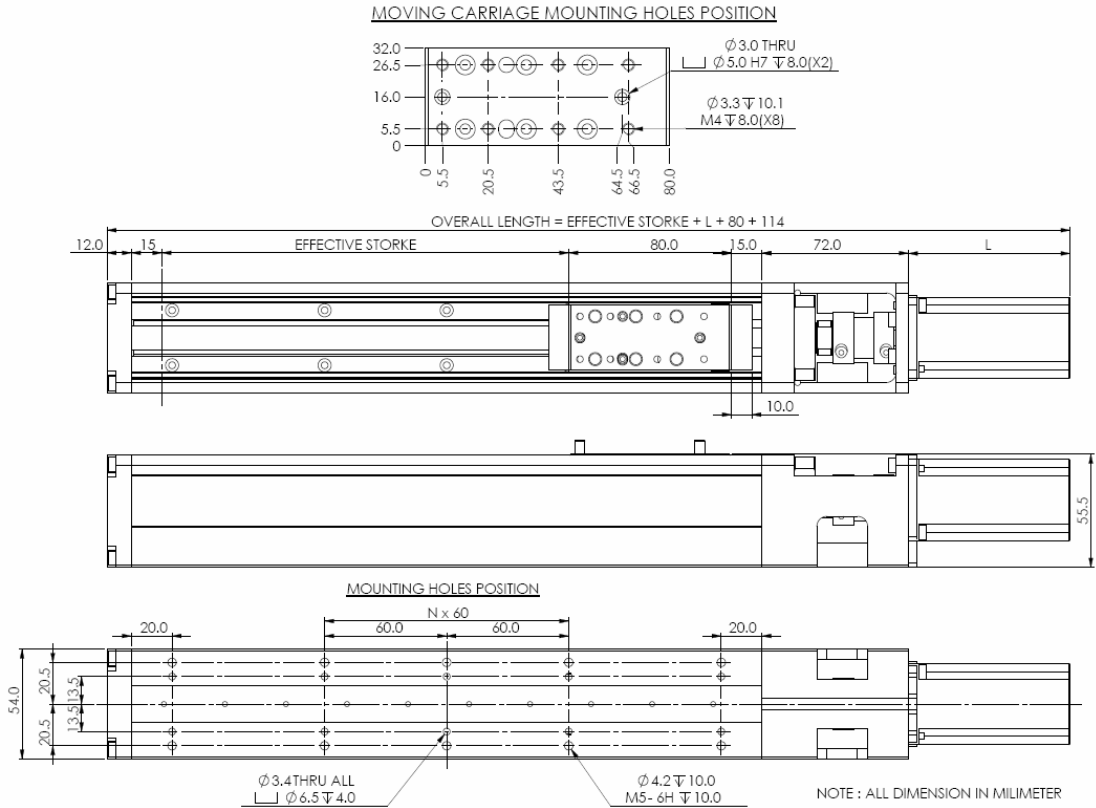
SGB54 Series

Datasheet

Model Specifications	ARM40-50	ARM40-100	ARM40-50-B	ARM40-100-B
Rated Torque, Nm	0.159	0.318	1.159	0.318
Peak Torque, Nm	0.477	0.955	0.477	0.955
Rated Speed, rpm	3000			
Maximum Speed, rpm	5000			
Motor Mass, kg	0.40	0.52	0.75	0.87
Motor Length, L mm	83.0	100.0	119.50	136.50

**Please refer to ARM Series Datasheet for more detail of our Rotary Servo motors.

Notes
- *All servo motors are supplied with 2000 lines incremental rotary encoder*
- *Standard class ball screw tolerance grade, T7*
- *Ball screws are supplied with 2% preload*
- *Computed resolution of module with 2000 lines incremental encoder after quadrature, with 10mm ball screw lead is 1.0µm*
- *Please contact us for a customized solution if you are unable to find one here*

Dimensional Drawing

MOVING CARRIAGE MOUNTING HOLES POSITION

OVERALL LENGTH = EFFECTIVE STORKE + L + 80 + 114

MOUNTING HOLES POSITION

NOTE : ALL DIMENSION IN MILIMETER

Specification / Model	Effective stroke (mm)	Body mass (kg)	Moving mass (kg)	Mounting pitch (N x 60mm)
SGB54	100	1.6	0.4	2
	200	2.0		2
	300	2.4		4
	400	2.8		6
	500	3.2		8

Part Numbering

	Motor size (type)		Effective stroke (mm)		Ball screw pitch (mm)		[1]Cover option (type)
SGB54	-	ARM40-50, ARM40-100, ARM40-50-B or ARM40-100-B	-	100 – 500	-	10.0	-	C

Example : SGB54-ARM40-50-B-100-10-C

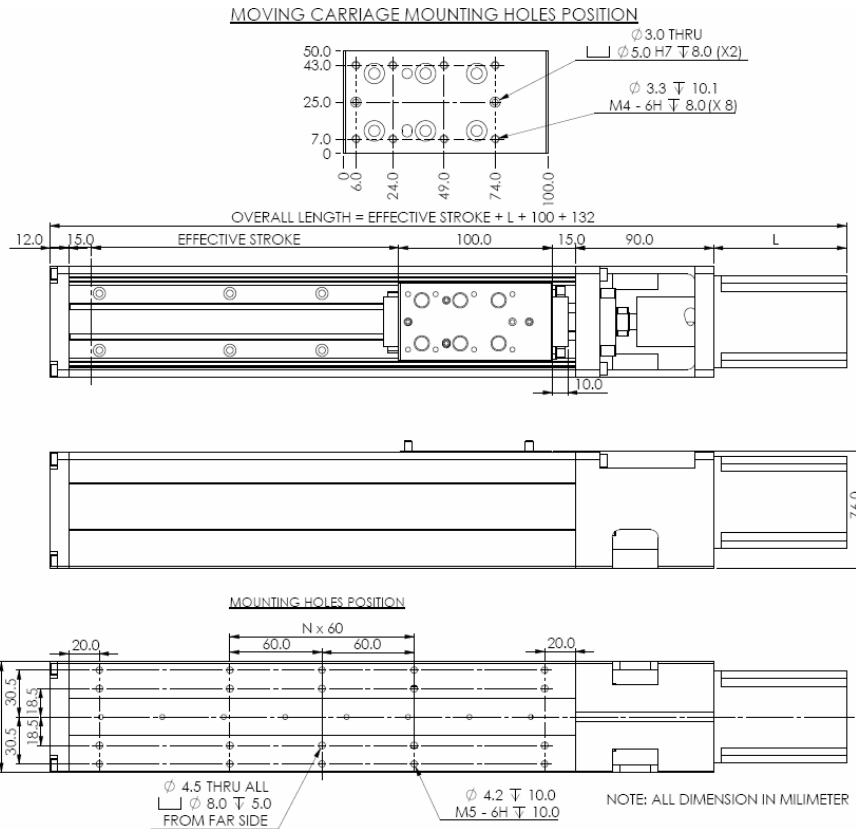[1]   C   = Conventional cover type

SGB72 Series

Datasheet

Specifications \ Model	ARM60-200	ARM60-400	ARM60-200-B	ARM60-400-B
Rated Torque, Nm	0.637	1.274	0.637	1.274
Peak Torque, Nm	1.912	3.822	1.912	3.822
Rated Speed, rpm	3000			
Maximum Speed, rpm	5000			
Motor Mass, kg	1.11	1.63	1.49	2.05
Motor Length, L mm	106.00	134.00	146.00	174.00

**Please refer to ARM Series Datasheet for more detail of our Rotary Servo motors.

Notes
- *All servo motors are supplied with 2500 lines incremental rotary encoder*
- *Standard class ball screw tolerance grade, T7*
- *Ball screws are supplied with 2% preload*
- *Computed resolution of module with 2500 lines incremental encoder after quadrature, with 10mm ball screw lead is 1.0µm*
- *Please contact us for a customized solution if you are unable to find one here*

Dimensional Drawing

MOVING CARRIAGE MOUNTING HOLES POSITION

Ø 3.0 THRU
⌴ Ø 5.0 H7 ⊤ 8.0 (X2)

Ø 3.3 ⊤ 10.1
M4 - 6H ⊤ 8.0 (X 8)

OVERALL LENGTH = EFFECTIVE STROKE + L + 100 + 132

EFFECTIVE STROKE

MOUNTING HOLES POSITION

N x 60

Ø 4.5 THRU ALL
⌴ Ø 8.0 ⊤ 5.0
FROM FAR SIDE

Ø 4.2 ⊤ 10.0
M5 - 6H ⊤ 10.0

NOTE: ALL DIMENSION IN MILIMETER

Specification / Model	Effective stroke (mm)	Body mass (kg)	Moving mass (kg)	Mounting pitch (N x 60mm)
SGB72	100	2.8	0.8	2
	200	3.6		3
	300	4.4		4
	400	5.1		6
	500	5.9		8

Part Numbering

	Motor size (type)		Effective stroke (mm)		Ball screw pitch (mm)		[1]Cover option (type)
SGB54	-	ARM60-200, ARM60-400, ARM60-200-B or ARM60-400-B	-	100 – 500	-	10.0	-	C

Example   :   SGB72-ARM60-100-B-100-10-C

[1]   C   = Conventional cover type