

ENGINEERING DOCUMENTATION

Ball Screw Linear Module Engineering Configuration

Dimensional & Integration Guide

DOCUMENT	REVISION / ISSUE	STATUS
DIG-ES-LA-S05-P01	DRAFT-08 / 29 Aug 2026	Engineering Integration Reference

Integration Overview

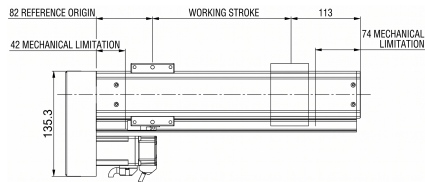
Exact ball-screw linear-module configuration for guided linear motion in automation equipment. This guide supports dimensional layout, mounting, load-path , motor and coupling integration, cable and sensor clearance, maintenance and commissioning for ES-LA-S05-P01.

Key Integration Facts

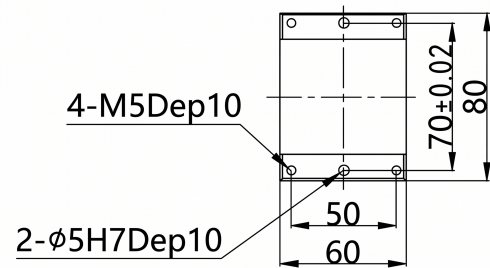
INTEGRATION ITEM	VALUE
Working Stroke	Configuration-dependent (45 records)
Overall Length	
Module Mass	
Mounting Hole Count	
Motor Mounting Style	
Configured Motor Power	100 W

Product Structure & Views

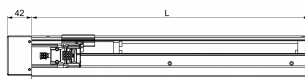
These views present the selected product structure, mounting interfaces and relevant integration geometry for this configuration.



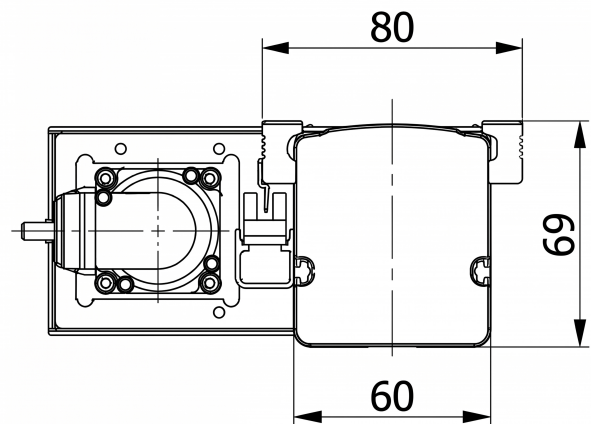
Mechanical View 1



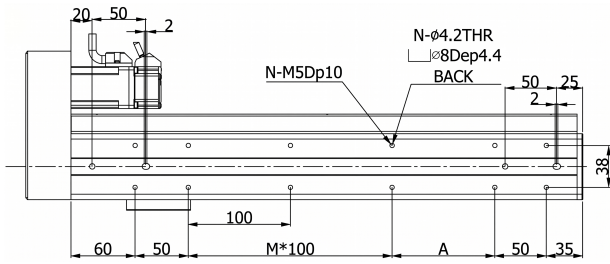
Standard Sliding rack



Mechanical View 3



Mechanical View 4



Mechanical View 5

VIEW	FIELD	VALUE
Mechanical View 1	Reference Origin Position	82 mm from reference origin
	Working Stroke	Working stroke range
	Working Stroke Length	113 mm
	Left Mechanical Limitation Position	42 mm mechanical limit
	Right Mechanical Limitation Position	74 mm mechanical limit
	Overall Height	135.3 mm
Mechanical View 2	Vertical height with tolerance	70±0.02
	Overall height	80
	M5 threaded hole specification	4-M5 Depth 10
	Mounting hole spacing	50
	Dowel pin hole specification	2-ØH7 Depth 10
	Overall width	60
Mechanical View 3	Mounting end width	42 mm
	Overall Length	L (variable, depends on model)
Mechanical View 4	Overall width	80
	Overall height	69
	Bottom width	60

VIEW	FIELD	VALUE
Mechanical View 5	Left protrusion width	20 mm
	Left connector zone length	50 mm
	Connector or shaft offset	2 mm
	Through hole specification	N holes, $\varnothing$ 2 mm through
	Counterbore hole specification	$\varnothing$ mm, depth 4.4 mm
	Threaded hole specification	N holes, M5 threaded, depth 10 mm
	Back side designation	Back side
	Right main body length	50 mm
	Right protrusion width	25 mm
	Right connector offset	2 mm
	Overall height	38 mm
	Bottom mounting hole spacing	100 mm
	Left edge distance	60 mm
	Bottom section segment length	50 mm
	Reference or variable dimension	M × 100 mm (variable)
	Datum A	Datum A
	Right section segment length	50 mm
	Right edge distance	35 mm

Configuration Dimensions

- Each row remains bound to one aggregate source configuration. Compare values by row; do not combine cells from different rows into an assumed module configuration.

Configuration Dimensions

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 01 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	260 mm	2.5 kg
Configuration 02 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 100 W	550 mm	710 mm	5.2 kg
Configuration 03 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 100 W	250 mm	410 mm	3.4 kg
Configuration 04 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	300 mm	468 mm	3.7 kg
Configuration 05 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 100 W	600 mm	760 mm	5.5 kg
Configuration 06 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 100 W	750 mm	910 mm	6.4 kg
Configuration 07 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 100 W	750 mm	910 mm	6.4 kg
Configuration 08 - Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	450 mm	618 mm	4.6 kg
Configuration 09 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	500 mm	668 mm	4.9 kg
Configuration 10 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 100 W	700 mm	860 mm	6.1 kg
Configuration 11 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 100 W	650 mm	810 mm	5.8 kg
Configuration 12 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	800 mm	968 mm	6.7 kg
Configuration 13 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 100 W	350 mm	510 mm	4 kg
Configuration 14 - Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 100 W	350 mm	510 mm	4 kg
Configuration 15 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 100 W	150 mm	310 mm	2.8 kg
Configuration 16 - Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	600 mm	768 mm	5.5 kg
Configuration 17 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	200 mm	368 mm	3.1 kg
Configuration 18 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 100 W	150 mm	310 mm	2.8 kg

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 19 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 100 W	500 mm	660 mm	4.9 kg
Configuration 20 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	550 mm	718 mm	5.2 kg
Configuration 21 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 100 W	800 mm	960 mm	6.7 kg
Configuration 22 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 100 W	450 mm	610 mm	4.6 kg
Configuration 23 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	268 mm	2.5 kg
Configuration 24 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 100 W	250 mm	410 mm	3.4 kg
Configuration 25 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	260 mm	2.5 kg
Configuration 26 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 100 W	450 mm	610 mm	4.6 kg
Configuration 27 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	250 mm	418 mm	3.4 kg
Configuration 28 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	350 mm	518 mm	4 kg
Configuration 29 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	150 mm	318 mm	2.8 kg
Configuration 30 - Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 100 W	800 mm	960 mm	6.7 kg
Configuration 31 - Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 100 W	400 mm	560 mm	4.3 kg
Configuration 32 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 100 W	200 mm	360 mm	3.1 kg
Configuration 33 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	700 mm	868 mm	6.1 kg
Configuration 34 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	400 mm	568 mm	4.3 kg
Configuration 35 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 100 W	500 mm	660 mm	4.9 kg
Configuration 36 - Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 100 W	700 mm	860 mm	6.1 kg
Configuration 37 - Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 100 W	650 mm	810 mm	5.8 kg
Configuration 38 - Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 100 W	200 mm	360 mm	3.1 kg
Configuration 39 - Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 100 W	600 mm	760 mm	5.5 kg
Configuration 40 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	650 mm	818 mm	5.8 kg
Configuration 41 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 100 W	300 mm	460 mm	3.7 kg
Configuration 42 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 100 W	300 mm	460 mm	3.7 kg

CONFIGURATION	WORKING STROKE	OVERALL LENGTH	MODULE MASS
Configuration 43 - Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 100 W	550 mm	710 mm	5.2 kg
Configuration 44 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	750 mm	918 mm	6.4 kg
Configuration 45 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 100 W	400 mm	560 mm	4.3 kg

Mounting and Drive Configuration

Mounting and Drive Configuration

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 01 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	8
Configuration 02 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	16
Configuration 03 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	10
Configuration 04 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	12
Configuration 05 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	18
Configuration 06 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	20
Configuration 07 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	20
Configuration 08 - Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	14
Configuration 09 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	16
Configuration 10 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	20
Configuration 11 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	18
Configuration 12 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	22
Configuration 13 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	12
Configuration 14 - Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	12
Configuration 15 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	8
Configuration 16 - Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	18
Configuration 17 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	10
Configuration 18 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	8
Configuration 19 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	16
Configuration 20 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	16

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 21 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	22
Configuration 22 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	14
Configuration 23 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	8
Configuration 24 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	10
Configuration 25 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	8
Configuration 26 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 100 W	100 mm	14
Configuration 27 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	10
Configuration 28 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	12
Configuration 29 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	8
Configuration 30 - Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	22
Configuration 31 - Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	14
Configuration 32 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	10
Configuration 33 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	20
Configuration 34 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	50 mm	14
Configuration 35 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	16
Configuration 36 - Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	20
Configuration 37 - Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	18
Configuration 38 - Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	10
Configuration 39 - Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	18
Configuration 40 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	18
Configuration 41 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	12
Configuration 42 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 100 W	50 mm	12
Configuration 43 - Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 100 W	100 mm	16
Configuration 44 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	100 mm	20

CONFIGURATION	MOUNTING HOLE SPACING	MOUNTING HOLE COUNT
Configuration 45 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 100 W	50 mm	14

Motor Interface Configuration

Motor Interface Configuration

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 01 - Stroke: 100 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 02 - Stroke: 550 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 03 - Stroke: 250 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 04 - Stroke: 300 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 05 - Stroke: 600 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 06 - Stroke: 750 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 07 - Stroke: 750 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 08 - Stroke: 450 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 09 - Stroke: 500 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 10 - Stroke: 700 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 11 - Stroke: 650 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 12 - Stroke: 800 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 13 - Stroke: 350 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 14 - Stroke: 350 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 15 - Stroke: 150 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 16 - Stroke: 600 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 17 - Stroke: 200 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 18 - Stroke: 150 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 19 - Stroke: 500 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 20 - Stroke: 550 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 21 - Stroke: 800 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 22 - Stroke: 450 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 23 - Stroke: 100 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 24 - Stroke: 250 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 25 - Stroke: 100 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 26 - Stroke: 450 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 27 - Stroke: 250 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 28 - Stroke: 350 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 29 - Stroke: 150 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 30 - Stroke: 800 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 31 - Stroke: 400 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 32 - Stroke: 200 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 33 - Stroke: 700 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 34 - Stroke: 400 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 35 - Stroke: 500 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 36 - Stroke: 700 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 37 - Stroke: 650 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 38 - Stroke: 200 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 39 - Stroke: 600 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 40 - Stroke: 650 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling
Configuration 41 - Stroke: 300 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 42 - Stroke: 300 mm; Motor mounting: Left Side Motor; Motor power: 100 W	Left Side Motor
Configuration 43 - Stroke: 550 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor
Configuration 44 - Stroke: 750 mm; Motor mounting: External Direct Coupling; Motor power: 100 W	External Direct Coupling

CONFIGURATION	MOTOR MOUNTING STYLE
Configuration 45 - Stroke: 400 mm; Motor mounting: Right Side Motor; Motor power: 100 W	Right Side Motor

Overall Dimensions and Mounting Interface

- Confirm this exact SKU, the selected motor-mounting configuration and the applicable mechanical views before using dimensions or interface geometry.
- Keep mounting faces flat, clean and free of burrs, raised holes, debris and coating buildup.
- Reserve assembly, inspection, cable, lubrication and removal access around the module and motor interface.

Load Path and Installation Orientation

- Route axial force through the carriage, supported mounting structure and host guide; include offset, side load, acceleration, shock and emergency-stop cases.
- Validate horizontal, wall and vertical installation loads with the actual payload center, guide spacing, host stiffness and duty cycle.
- Control payload center of gravity and overhung moment; verify the complete installed load path rather than inferring capacity from module mass or size.

Motion and Duty-Cycle Validation

- Validate the complete acceleration, travel, dwell, reversal and stop cycle using the stroke and selected motor configuration.
- Establish speed, acceleration, payload and moment limits from the complete selected module, motor, guide and host calculation.
- Verify temperature and resonance behavior using the installed motor, stroke, load, mounting heat path and operating cycle.

Motor, Coupling and Sensor Integration

PARAMETER	VALUE	UNIT
Configured Motor Power	100	W

- Match the motor mounting style, adapter, configured motor power and interface dimensions before assembly.
- Verify coupling bore, engagement, concentricity, axial position and tightening controls, then check smooth travel at zero energy.
- Provide cable slack, bend radius, strain relief and sensor clearance across the complete motion envelope.

Maintenance, Contamination and Service Envelope

- Prevent chips, fibers, cleaning residue and moisture from entering the ball screw, guide, sensor and coupling interfaces.
- Provide access for lubrication, inspection, sensor adjustment, fastener verification and specified removal.
- Stop and inspect after binding, impact, abnormal noise, rising temperature, unexpected friction or protection damage.

Commissioning and Safety

- Commission in stages with the host guide, limits, guards and cable routing installed; verify each boundary before increasing speed or load.
- At low energy verify travel direction, home and limit behavior, command polarity, stroke and sensor state.
- Verify emergency stop, fault response, recovery behavior and safe holding requirements for the installed orientation.

Integration Checklist

- 01 Confirm the exact SKU, parameters and selected mechanical-view configuration.
- 02 Verify working stroke, overall length, module mass, mounting-hole count and service clearance.
- 03 Establish the complete axial, side-load and moment load path for the host structure.
- 04 Validate horizontal, wall and vertical installation cases using the actual payload center and duty cycle.
- 05 Match motor mounting style, configured motor power, adapter and coupling dimensions.
- 06 Verify coupling alignment, engagement, tightening and smooth travel before applying drive power.
- 07 Provide cable slack, bend radius, strain relief and sensor clearance across the full motion envelope.
- 08 Protect the ball screw, guide, sensors and coupling from contamination and moisture.
- 09 At low energy verify direction, home, limits, stroke, speed and fault-stop behavior.
- 10 Request current 2D, STEP, motor-interface, wiring, lubrication and maintenance data before final integration.

[View SKU Product Datasheet](#) [Request controlled 2D drawing](#) [Request controlled STEP review](#) [Request a Quote](#)

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01. This Dimensional & Integration Guide applies only to EmbodyStack SKU ES-LA-S05-P01 and is intended for dimensional evaluation and preliminary integration. It is not a applicable manufacturing drawing, module or motor selection approval, payload or safety approval, wiring final integration, machinery risk assessment or integration planning document and must not be used as the sole basis for machining, host-structure design, coupling manufacture, fastener selection, cable assembly or final integration. Before design freeze, assembly or commissioning, verify dimensions, interface geometry, mounting holes, travel and collision envelope, load path, orientation, payload center, speed, acceleration, motor, adapter, coupling, sensors, cable routing, limits, thermal behavior, contamination control and maintenance requirements against the applicable EmbodyStack engineering data for this exact SKU and selected configuration. Where this guide and applicable product documentation differ, the applicable product documentation governs. Validate the complete module, motor, guide, host structure, motion cycle, guarding, fault cases and applicable regulatory requirements under intended operating conditions.