



LSS-SL

SLING LOAD

The Load Stability System (LSS™) is a remotely-operated suspended load system that allows lifters the precision control to remotely orient their lifts without being in the critical vicinity of the load. The device dynamically adjusts to load sizes and wind conditions, allowing high-precision lifts in the most challenging environments. The ability to control a load varies depending on the mass moment of inertia of the load, surface area, and wind conditions. For example, a small cube-type modular load can be controlled in far higher winds than a load with a large surface area.

FEATURES

- Direct user controlled positioning
- Autonomous position hold function
- Dynamic wind resistance
- Continuous load calibration
- Ingress protection: IP 65 (untested)
- Wireless control pendant

BENEFITS

- Position Hold Controller keeps the load stable in the pre-set orientation, despite wind or slewing impacts on the load
- Load control without taglines and/or where taglines are not possible/safe
- Allows crews to precisely orientate and place picks safely outside the critical fall zones
- Maintenance free outside of daily preparations



See reverse side for
SPECIFICATIONS



or scan here





SPECIFICATIONS

WORKING LOAD LIMIT (WLL)

6-40 metric tonnes
(other configurations available upon request)

WEIGHT

515lbs / 234kg

OPERATING MODES

User Direct Control: *clockwise & counterclockwise*
Rotation Rates: *course trim = 3 deg/s • fine trim = 1.5 deg/s*
Autonomous Position Hold: *Once a desired load orientation is achieved, the user may engage the Position Hold Controller (PHC) with the push of a button, which locks the load at the exact orientation of the load's current position.*

SYSTEM DIMENSIONS

6x4x1.5ft / 1.8x1.2x0.45m
(configurable based on selected WLL)

ENERGY CAPACITY

3.1 kWh rechargeable Lithium Iron Phosphate smart battery system

CHARGING TIME

1.5hr/3hr
(single charge and dual charge options)

STANDARD CHARGING OPTIONS

110/120V AC
(charger output power: 60V, 15A)

CONTROL PENDANT RANGE

Up to 1,000ft / 305m

PENDANT COMMAND RESPONSE TIME

<0.25 seconds

POSITION HOLD MARGIN OF ERROR

+/- 2.5 degrees
(about the vertical axis in typical operations)

**BUILDING TECHNOLOGY
THAT BRINGS PEOPLE
HOME...EVERY TIME!**

To learn more about the
LSS Sling Load, visit our website at
www.vitatech.co

