



Name:	HB10K Cargo Hook Owner's Manual
Revision:	10/06/2022
Owner:	Production Manager

CAPABILITIES STATEMENT

Remote Tactical Cargo Hooks w/ Pendulum Lines (*Helibasket P/N ELLSYSWL10-P*) **and Electric Long Lines** (*Helibasket P/N ELLSYSWL10-XXX*)

Overall:

1. Immediate access
2. Point-to-point logistics, eliminating most second-handling requirements
3. All equipment has AWR approval
4. Load-beam and keeper lockouts prevent inadvertent critical-load releases (Aircraft recoveries or HAZMAT)
5. Cage incorporates utility shackles to pull load rigging (ropes, cargo nets) from under cargo after delivery
6. Protective cage and lines incorporate personnel-rescue capabilities
7. Structurally stronger than the airframe cargo hooks
8. Integrated swivel allows external loads to be flown faster and without twisting to the cargo rigging or the long lines
9. Used with the Army Aviation hover-hold/hover-lock technologies, the ELLS provides a safe, precise delivery or extraction from confined areas.
NOTE: Hover-hold/hover-lock technologies now allow external loads to be safely maneuvered by new ground-crew teams in less than 1-foot increments
10. 20+ year history with Army National Guard Aviation

Additional benefits of Pendulum Lines (13' length):

1. Provides the ground crew the option of standing on the load or standing on the ground during the hook-up phase
2. The helicopter does not have to be directly over the load. The hook-up crew member can grab the hanging Pendulum hook and move it to the load rigging enabling the faster, safer hook-up
3. Having a static-discharge capability eliminates the need for a ground-crew member with a discharge wand—a significant safety factor when working operations with non-aviation personnel



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4. The additional clearance from the fuselage to the load is a safer hook-up zone should the helicopter settle (such as hooking up on top of a container)

Additional benefits of the longer ELL's – up to 200':

1. A 120' electric long line (ELL) will keep the UH-60 out of brown-out and white-out conditions at the working load of 10,000 lbs
2. A 150' ELL will keep the CH-47 out of brown-out and white-out conditions at the working load of 25,000 lbs
3. Provides immediate access to mountainous slopes and forested areas, as well as urban areas with power lines and other obstacles
4. Eliminates LZ requirements at both the pick-up and delivery zones

POTENTIAL APPLICATIONS:

- Improved efficiency of UMARK aircraft recoveries
- Confined-area placements and extractions
- Federal and State disaster-mitigation support
- Corps of Engineers disaster-mitigation support
- International disaster-mitigation USAID support
- Fire-fighting support
- Ship-to-shore logistics
- Consideration for Future Vertical Lift logistical capabilities
- Any operations where time is critical, and obstacles are problematic

Contact Helibasket at (864) 638-6196 or email info@heli-basket.com to discuss how we can help you meet your rigging needs and logistics goals!