



RESCUE HOIST MODEL 44318

A RUGGED, RELIABLE RESCUE HOIST

When lives are on the line, proven performance means everything

Collins Aerospace rescue hoists offer superior performance, reliability and capability as well as low cost of ownership to helicopter operators worldwide.

Externally mounted, electrically powered rescue hoist model 44318 utilizes the Collins Aerospace proprietary translating drum cable management system. The hoist design also incorporates a Weston-style load brake and overload slip clutch for added safety. The lubricated cable extends cable life and helps arrest corrosion of the cable.

Current applications include:

- Leonardo Helicopter AW189
- Airbus Helicopter EC225
- Mitsubishi Heavy Industries UH-60J

KEY BENEFITS/FEATURES

- Capable of high fleet angle allowing hoist operation in high winds or other circumstances requiring an off-angle lift
- Symmetrical braking reducing dwell time on direction reversals and enhanced braking capability
- Cable foul onset sensing
- Single point payout reduces potential for hoist induced load swings
- Continuous operational duty cycles allow for multiple victim rescues without a cool-down period
- Worldwide field engineering services available



GENERAL SPECIFICATIONS*

Height	13.36 in. (339.34 cm)
Width	8.75 in. (222.25 cm)
Weight	106 lb. (48.08 kg)
Hoist Length	33.4 in. (848.36 cm)
Cable Length	290 ft. (88.39 m)
Cable Diameter	3/16 in. per MIL-W-83140
Maximum Lift Load	600 lb. (272.16 kg)
Overtension Lift Load	1200 lb. (min)
Limit Load	2100 lb.
Ultimate Load	3150 lb.
Input Power	115/200 VAC, 3-phase 400 Hz with 28 VDC control power

Lowering Speed

325 fpm (99.06 m/min) at 600 lb. (272.16 kg)
325 fpm (99.06 m/min) at 300 lb. (136.08 kg)

Raising Speed

325 fpm (99.06 m/min) at 600 lb. (272.16 kg)
325 fpm (99.06 m/min) at 300 lb. (136.08 kg)

* Performance and specifications apply to a single hoist.

DESIGN FEATURES

- Hour meter logs total operation time
- Emergency cable cut
- Down limit override for quick cable changes
- Redundant limit and decel switches
- Night vision compatible controls
- Cable length display on operator's pendant
- Searchlight or hover control pendant
- Intercom switch on pendant
- Priority hoist controls for pilot
- Integral 4 point and post mount in same hoist model

FEATURE	44311 FAMILY	44318 FAMILY
Load Brake	N/A	Secondary shaft locking mechanism that meets Human External Cargo (HEC) requirements
Level Wind System	Standard	Improved design for enhanced durability
Built-in Test Functionality	Basic	Enhanced (with fault code readout)
Cable Length Readout Selection	Feet	Feet or meters
Cable Length Readout Accuracy	Standard	Enhanced

Specifications subject to change without notice.



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