

ADVANCED CARGO HOOK EQUIPMENT

LIFT WITH CONFIDENCE



- Safety & Innovation
- Low Maintenance Costs
- Responsive Service
- Fast Shipping

**ONBOARD™
SYSTEMS**
INTERNATIONAL

IMPROVE SAFETY, SAVE TIME & MONEY WITH CARGO HOOK EQUIPMENT FROM ONBOARD

Onboard Systems offers you the best cargo hook equipment on the market. We've designed and manufactured thousands of products that provide revolutionary functionality and safety features for more than 35 commercial and military aircraft models.

Onboard serves a large and diverse customer base around the world, including airframe manufacturers, major military forces, and thousands of commercial operators. From major manufacturers to single-aircraft operators, we are proud to supply all of our customers with safe, high quality products and exceptional service.

QUALITY & SAFETY

Our innovative cargo hooks, suspension systems and Onboard Weighing Systems are computer designed to optimize each part for weight, strength and increased safety margins. All of our products are precision-manufactured in the United States from corrosion-resistant alloys according to strict Aerospace AS9100 quality assurance standards and are vigorously tested.

SAVE TIME & MONEY

Time is money in the external load business, so why wait? Onboard's cargo hooks and kits are quick and easy to install. And while other manufacturers may make you wait months for delivery, we typically ship from stock when you place your order.

Replacing your older hooks with Onboard's modern designs will also save you money. They give you the latest safety features using low-weight, ultra-strong materials proven to reduce inadvertent load loss.

Best of all, our cargo hooks are competitively priced and can be up to ten times less expensive to maintain than other models. That's why operators around the



world turn to Onboard Systems again and again whenever they're in the market for cargo hook equipment.

Onboard Systems is dedicated to the helicopter lift industry, and we prove it with our emphasis on superior engineering, increased cost-effectiveness and comprehensive customer support. Our willingness to listen to our customers and innovate solutions that improve safety and productivity has made us the acknowledged experts in modern external cargo hook system design and development. ❖

CARGO HOOK EQUIPMENT



SUSPENSION SYSTEMS

Equip your aircraft for external load work with one of our certified, complete suspension kits.

REPLACEMENT HOOK KITS

Change out your old, expensive to maintain cargo hook for one of our safe & reliable TALON™ brand hooks.



ONBOARD WEIGHING SYSTEMS

Increase productivity, safety & accurate weight reporting with our precise, digital technology.

REMOTE HOOKS

Onboard Systems makes the best long line and carousel hooks on the market. We also carry long lines, cargo nets and barrel slings.





CARGO HOOKS THAT LET YOU LIFT WITH CONFIDENCE

Onboard Systems designs and manufactures safe, reliable and innovative cargo hook equipment, giving you maximum utility for the lowest overall cost. We're more than just a superior source for a new or replacement cargo hook system — you'll find our products as standard equipment or factory options on most helicopters manufactured around the world, including AgustaWestland, Bell, Boeing, Enstrom, Eurocopter, Kaman, MD, Robinson, Schweizer and Sikorsky. Why pay more for outdated designs, less service, higher maintenance costs and long lead times? Call us or visit our website for more information or to request a catalog.

COMMITMENT TO SAFETY AND INNOVATION | Safe, strong and easy to maintain, our cargo hooks are designed & manufactured using the latest technologies in our ISO 9001:2000 certified & AS9100 Rev B registered facility.

- ***Keeperless Hooks Improve Safety*** — Onboard's revolutionary keeperless technology is ingenious, yet simple. To eliminate the risk that a load ring can escape by slipping past the keeper during operation, we simply removed the keeper and replaced it with a unique load beam system that can safely handle a wide variety of load ring sizes and styles, giving you maximum flexibility for performing external cargo work.
- ***Hydraulic Release Offers Highest Load Safety*** — Improper rigging and routing of a mechanical release cable can cause the cargo hook release mechanism to accidentally activate. That's why we developed a hydraulically activated release mechanism to take the place of a standard mechanical release cable. This new release system requires no rigging and is conveniently routed with the electrical release cable. Best of all, snagging or damage to the hydraulic cable will not cause the hook to open.

1.800.275.0883 (US & Canada)



- ***Built to Survive in Tough Environments*** — All parts are manufactured from corrosion-resistant alloys for long life and low maintenance.
- ***Gimbal Swing Frames*** — Our gimbal swing suspension frames distribute weight between the four cables more effectively than rigid legacy frames to ensure balanced load sharing throughout the aircraft.
- ***Optimized Part Weight & Strength*** — CAD/CAM design tools optimize each part for weight, strength, and increased safety margins.
- ***Release Safety*** — Onboard Cargo Hooks are designed to release 2.5 times the rated load. In an emergency situation (such as a long line snag), Onboard hooks give pilots a significant margin of safety in which to release the cargo load.
- ***Travel Limits & Bumper Rings*** — Many of our hook kits are designed with built-in travel limits and/or polymer bumper rings to keep the hook from striking the airframe and relieve strain on the hook control cables that could lead to an inadvertent release.

RESPONSIVE SERVICE AND SUPPORT | Because every customer deserves prompt access to assistance from knowledgeable professionals.

Our service technicians, customer support representatives, and engineers are all easy to reach and responsive to your requests. Contact us, and we'll get you the answers you need right away. In addition, we also provide fast, easy, 24x7 online access to the comprehensive technical documentation you need.

LOW MAINTENANCE COSTS | Five to ten times less to maintain than other brands.

Our cargo hooks often cost less than the older products they replace—and they're made to



last. Your ongoing maintenance costs will be significantly less, so you'll get lower service costs and less downtime over the life of the product.

Quick parts availability minimizes downtime, and all parts of the hook are field serviceable with simple hand tools for fast and easy replacement.

FAST SHIPPING FOR MOST PRODUCTS | Don't settle for long lead times.

Onboard maintains a large inventory of products, spare parts, and complete systems, allowing immediate shipment of most items. So while other manufacturers may put you on a waiting list for months, we're able to ship out most parts and equipment very quickly.

CARGO HOOK EQUIPMENT

SUSPENSION SYSTEMS Cargo hook kits designed for installation on aircraft that don't already have a cargo hook.

Also known as fixed and removable provisions, swing kits, sling kits, cargo hook kits and cargo hook installation kits, our suspension systems typically include the components necessary to install and operate a cargo hook on an aircraft, such as the structural attachments, control cables, cargo hook, and an optional Onboard Weighing System. However, depending on the specific kit, you may need to purchase and install the OEM fixed provisions; call us for more information.

REPLACEMENT HOOK KITS | Change out older competitor hooks for an Onboard System's TALON™ brand cargo hook.

Our customers tell us that it's often faster and less expensive to buy a replacement Onboard Systems cargo hook than to overhaul their older products. These certified kits typically contain the replacement cargo hook and whatever fittings or linkage you will need to change out the legacy hook. And don't forget to ask us about our trade-in program.

ONBOARD WEIGHING SYSTEM | Minimize stress to your aircraft while maximizing load economy and lifting efficiency.

When pilots know the load weight, they can take on heavier loads safely instead of erring on the side of caution. They can also report accurate weight statistics immediately to customers. Onboard Weighing Systems increase productivity, safety, and accurate weight reporting with precise, digital technology and are consistently accurate to +/- 1.0%. They can be installed on most popular utility helicopters and integrate seamlessly with your existing cargo hook.

+1.360.546.3072 (Worldwide)



REMOTE HOOKS | The best long line and carousel remote cargo hooks available.

Onboard's remote hooks are as popular with ground crews as they are with pilots! Our long line hooks offer large throats, light load release, added safety features, and a simplified design. Our carousel cargo hook is built to provide years of trouble free service, and its keeperless design can safely handle a wide variety of load ring sizes and styles. In addition, we now carry long lines, cargo nets, barrel slings and other rope and textile products so you can buy your remote hooks and long lines at the same time. ❖


TABLE 1: HELICOPTER PRODUCT AVAILABILITY


MANUFACTURER	AIRCRAFT	EQUIPMENT AVAILABLE	MANUFACTURER	AIRCRAFT	EQUIPMENT AVAILABLE
AgustaWestland	A109 Power	OEM, RM, LL	Eurocopter	AS350	OEM, SS, RP, WS, RM, LL
	A119	OEM, RM, LL		AS355	SS, WS, RM, LL
	EH-101	OEM, LL		BK117	WS, RM, LL
Bell	204, 205, 212 & 412	OEM, SS, RP, WS, RM, LL		BO105	RP, WS, RM, LL
	206 A & B	SS, RP, WS, RM, LL		EC120	SS, WS, RM, LL
	206L	SS, RP, WS, RM, LL		EC130	OEM, SS, RP, WS, RM, LL
	214	WS, RM, LL		NH90	OEM, LL
	222	WS, RM, LL		SA315B	RP, WS, RM, LL
	407	OEM, SS, RP, WS, RM, LL		SA330	WS, RM, LL
	427	OEM, RM, LL		Kaman	K-max
	429	OEM, RM, LL	MD	500/520	OEM, SS, RP, WS, RM, LL
Boeing	CH-47	OEM, WS, LL	600	Pending	
	V-22 Osprey	OEM, LL	Mil	8/17	WS, RM, LL
Enstrom	280FX	OEM, RM, LL	Robinson	R22	SS, RM, LL
	F-28F	OEM, RM, LL	R44	SS, RM, LL	
	480	OEM, RM, LL	Schweizer	269C	RP, RM, LL
OEM = Factory Installed Cargo Hook Equipment SS = Suspension System RP = Replacement Hook Kit WS = Onboard Weighing System RM = Remote Hooks LL = Long Lines, Nets & Barrel Slings			Sikorsky	CH-53K	OEM
			S-55/S-58	WS, RM, LL	
			S-61	WS, RM, LL	
			UH-60	WS, RM, LL	
			333	OEM, LL	

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