

Cargo Hook Solutions

▶ Eurocopter EC130 Suspension Systems

- ▶ Choice of a Swing or Sling suspension system
- ▶ Keeperless, TALON LC hydraulic hook greatly increases load security
- ▶ Bushings at all wear joints provide long life and reduce maintenance requirements
- ▶ Integrated Onboard Weighing System minimizes aircraft stress while maximizing load economy



While the Eurocopter EC130 has traditionally been used for executive transport, it also makes an excellent utility aircraft! Our single-point attach Sling and a 4-point Swing suspension kits give you the safest, most economical options for setting up new or existing aircraft for external load work.

SWING SYSTEM ADVANTAGES

Onboard's Swing suspension system for the EC130 includes the full gamut of our safety innovations and will give you the lowest ongoing maintenance costs available anywhere. For example, while other cargo hook systems designed for the EC130 include a rigid swing frame, our suspension system features a gimbal frame. That's because rigid swing frames do not transfer balanced load weight to the airframe as the cables slacken, and

the geometry must be accommodated by flexure of the swing frame and the airframe. However, our gimbal design can pivot as needed to distribute weight between the four cables more effectively, ensuring balanced load sharing throughout the aircraft.

Our suspension system also comes with our TALON[™] LC Hydraulic Hook, which greatly increases load security through use of a hydraulically activated release mechanism instead of a traditional manual release cable. If a mechanical cable gets snagged or is hit by the load, it can cause the hook to open inadvertently; however, snagging or damage to a hydraulic cable will not lead to accidentally dropping the cargo. Best of all, the system does *not* require any rigging each time it is installed.

In addition, our system includes an integrated Onboard Weighing System to reduce the risk of overload stress and aid pilots with loading decisions.

Finally, to improve safety even further, our system also includes a built-in polymer bumper ring with travel limits and our fuel drain guard. The bumper ring keeps the hook and control cables from impacting the frame and causing damage that could lead to an inadvertent load release. The fuel drain guard provides a mechanical barrier that prevents the fuel drain lever from being accidentally activated by a swinging load.

SLING SUSPENSION ADVANTAGES

Our low-profile Sling suspension kit for the EC130 is designed to mount to

continued on back

► Eurocopter EC130 Suspension System Advantages

Description	EC130 Swing	EC130 Sling
Safety Features	<ul style="list-style-type: none"> ▶ Keeperless and hydraulic hook provides maximum load security ▶ Built-in polymer bumper ring with travel limits helps protect the cables and aircraft from damage ▶ Cable routing interfaces closely alongside the hook and is routed through one point on the frame bumper ring ▶ Fuel drain guard protects against accidental fuel loss due to swing movement 	<ul style="list-style-type: none"> ▶ Low profile, compact sling mount for maximum ground clearance ▶ Keeperless and hydraulic hook provides maximum load security ▶ Built-in polymer bumper ring with travel limits helps protect the cables and aircraft from damage ▶ Cable routing interfaces closely alongside the hook and is routed through one point on the bumper ring
Maintenance	<ul style="list-style-type: none"> ▶ Bushings at all wear joints ensure longer life ▶ Gimbal frame means lower impact on swing and airframe 	<ul style="list-style-type: none"> ▶ Bushings at all wear joints ensure longer life
Robust Design	<ul style="list-style-type: none"> ▶ Hydraulic line can be connected or disconnected without bleeding ▶ New, improved Onboard Weighing System ensures long life 	<ul style="list-style-type: none"> ▶ Hydraulic line can be connected or disconnected without bleeding ▶ New, improved Onboard Weighing System ensures long life
Aircraft Compatibility	▶ Eurocopter EC130 B4	▶ Eurocopter EC130 B4

► Specifications

Kit	Part Number	Price	Design Load	Ultimate Load	Release Capacity	Unit Weight	Certification	Typical Overhaul
EC130 Swing	200-321-00	\$35,150 USD	2,557 LB (1,160 KG)	11,574 LB (5,250 KG)	8,750 LB (3,970 KG)	35 LB (15.85 KG)	FAA, Transport Canada (EASA pending)	5 years
EC130 Sling	200-322-00	\$22,405 USD	1,660 LB (750 KG)	6,225 LB (2,823 KG)	8,750 LB (3,970 KG)	12 LB (2.95 KG)	FAA, Transport Canada (EASA pending)	5 years

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the single hard point on the belly of the aircraft and gives you many of the added safety features found on our swing system, including our TALON™ LC Hydraulic Hook, an integrated Onboard Weighing System and a built-in polymer bumper ring with travel limits. Best of all, when it comes time for overhaul, you'll enjoy the lowest ongoing maintenance costs in the industry.

BEST VALUE & SUPPORT

Easy to install, economical to maintain and supported worldwide, our suspension systems let you lift with confidence! Both our Swing and Sling kits include the fixed and removable provisions, and are approved for installation on the Eurocopter EC130 B4 model helicopter.

In addition to favorable pricing and a range of useful features, our products are backed by world-class customer support and 24x7 documentation access through our website. Make the most of your investment—expand your business horizons by ordering one of our EC130 suspension systems today. ❖



Left — EC130 Sling Suspension System with TALON LC Hydraulic Hook, Onboard Weighing System and bumper ring



Bottom — EC130 Swing Suspension System with TALON LC Hydraulic Hook, gimbal frame, bumper ring and Onboard Weighing System

To Learn More...

Onboard Systems International is a leading provider of innovative helicopter cargo hook equipment, Onboard Weighing Systems and flow monitoring systems

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