



↘ QUICKDROP — ELECTRICAL CARGO STROP

QuickDrop™ from AmSafe Bridport is a helicopter underslung cargo strop (long-line) that allows cargo loads to be remotely released from the aircraft cabin. This capability enables an aircraft operator to deliver cargo independently of ground-crew. The remote release of cargo from the aircraft facilitates safer cargo delivery, reduces the risk to personnel, and increases operational tempo.

QuickDrop is designed in accordance with Civil Aerospace and NATO STANAGs. From hot desert sands to freezing arctic winds or electrically charged ship-borne operations, QuickDrop has been extensively tested against RTCA, European (EN) and United States Mil Standards to verify it can endure the harshest of environments.

Improve Delivery and Reduce Risk

Delivering cargo, even in peace-time, can be challenging due to obstacles such as trees, electrical cables and adverse weather conditions. In a military environment these risks can be amplified by combining them with enemy fire, hostile situations and brownouts. Employing

QuickDrop removes the need for ground-crew to operate directly under, or in the immediate vicinity of the aircraft during the delivery of cargo. QuickDrop also decreases aircraft loiter time as there is no need to hover and wait for ground-crew to release the load. During war-time, the elimination of time-in-the-air can greatly decrease the aircraft's vulnerability to enemy fire.

Measurable Savings

The burdened cost of fuel in areas such as Afghanistan can easily exceed \$400 per gallon by the time it has been transported thousands of kilometres to its required destination. With medium and heavy-lift aircraft burning between 150 to 360 gallons of fuel per hour, the cost of operating an aircraft can be \$2,400 per minute.

As QuickDrop operates independently of ground-crew, the fuel cost associated with the time to deliver cargo can be reduced. When it comes to the delivery of cargo, QuickDrop can provide the world's armed forces with a reduction in fuel costs and increased safety to their ground-crew and aircraft personnel.

Key System Features

Cargo Hook

- ⊕ Electrically powered load release with a secondary manual ground release
- ⊕ Safety load-lock eliminates inadvertent in-flight load release
- ⊕ Compact, low profile design eases user handling

Swivel

- ⊕ Rugged, low maintenance stainless steel design
- ⊕ 360° rotation eliminating load wind-up and cable twist

Strop

- ⊕ Lightweight, high-strength textile rope
- ⊕ Low elongation under load and rebound characteristics
- ⊕ Removable protective cover to reduce environmental exposure
- ⊕ Exchangeable strop permits alteration in length

Electrical

- ⊕ Fully static and electrically shielded
- ⊕ Separate ARM and RELEASE safety operations
- ⊕ MIL Standard aircraft power connection

Safe Operating Load	10,000lb	4,536kg	
Total System Weight	58lb	30-33kg	
Working Length	15.6ft	4-7m	
Safety Factor (textile)	7:1		
Safety Factor (metalwork)	4.3:1		
MIL Standard, EN, RTCA Qualified and STANAG 4370	Sand Dust Icing Salt Fog Humidity Vibration	Driving Rain Extreme Temperature Direct Lightning Strike Indirect Lightning Radiated Susceptibility Conducted Susceptibility	High Intensity Radio Frequency (HIRF) Radiated Emissions Conducted Emissions Dielectric Strength Insulation Resistance Emergency/Abnormal Voltage Operation
NATO STANAG 3542	Compliant		
FAR 29.865	Compliant		
CE Low Voltage Directive & EMC	Compliant		

* Catalogue available upon request

EMEA and Asia

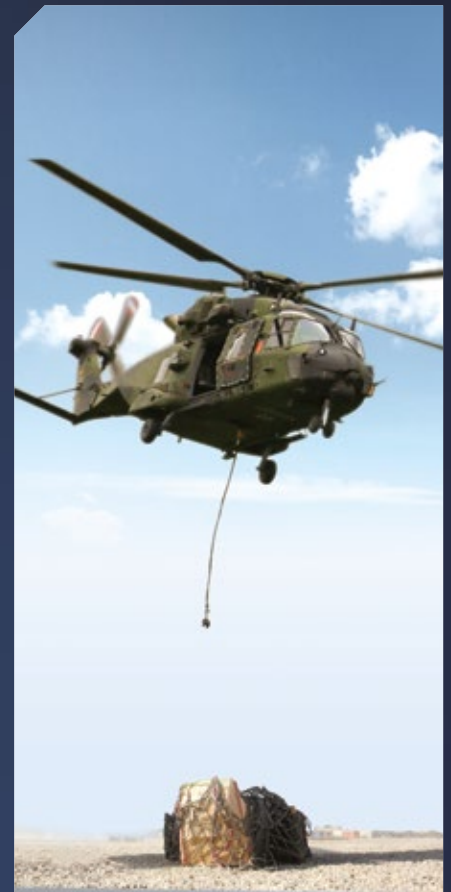
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