



GROUND-EFFECT
SPREADING BUCKET

IMS
HELICOPTER EQUIPMENT SPECIALISTS

GROUND-EFFECT

AERIAL SPREADING EQUIPMENT

**DRIVING INNOVATION.
DELIVERING RESULTS.**

20 YEARS OF PROVEN PARTNERSHIP WITH AERIAL AGRICULTURE PILOTS WORLDWIDE

STRONG AND
LIGHTWEIGHT
TO MAXIMIZE
THE EFFICIENCY
AND DISTRIBUTION
OF PRODUCT





GROUND-EFFECT AERIAL SPREADING BUCKET

> GROUND-EFFECT

The Ground-Effect Spreading Bucket range has been designed by IMS New Zealand to be strong, lightweight and to maximize the efficiency and distribution of product.

The Ground-Effect Spreading Buckets have a slide valve with interchangeable orifice plates of varying sizes, which determines the rate of application. A unique hopper design ensures complete evacuation. With engines chosen for their high power-to-weight ratios, and a spinner

designed to ensure a maximum swath width and even product spread.

Ground-Effect Spreading Buckets are suitable for application rates of up to 400kg/ha (360lbs/ac) and can be custom-made to suit the operator's requirements.

They are designed for either dry granular products or can be built for hydro seeding or wet applications. Ask us for help in selecting the right system for you.

CAPACITIES

PART NUMBER	LITRES Capacity	US GALLONS Capacity	CUBIC FEET Capacity
GE200	200	53	7
GE300	300	79	10.6
GE350	350	92	12.4
GE400	400	106	14.1
GE560	560	148	19.8
GE650	650	172	22.9
GE750	750	198	26.5
GE950	950	251	33.5
GE1200	1200	316	40.6
GE1350	1350	355	45.9
GE1500	1500	396	53
GE1650	1650	436	58.3
GE2400	2400	634	84.7
GE2700	2700	713	95.3

Other volume sizes can be built according to your needs.

AERIAL SPREADING BUCKET

GRANULAR VARIABLE FLOW CONTROL

> VARIABLE CONTROL

With the option of choosing variable control in this series of the Ground-Effect Spreading Bucket, the pilot can manually adjust the Variable Flow Control Valve using the remote speed control. This adjustment can be made while in flight.

The Variable Flow Control Valve has been designed for the application of dry media. 1kg to 200kgs per hectare or 0.9lbs to 178lbs per acre.

Product flow rates can be adjusted during flight.



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GE300	300	79	10.6
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Other volume sizes can be built according to your needs.



ACCESSORIES

BUCKET ACCESSORIES

Ground-Effect Spreading Buckets can be specifically designed for various purposes, including pest and mosquito control — with accessories tailored to each application.



> HOPPER LID

Hopper Lids with robust zipped openings are available for the entire Ground-Effect range.



> SPINNER AND MOTOR

A range of spinner and motor configurations are available to suit your specific application requirements. Our team will work with you to supply the optimum system for your needs.



ACCESSORIES COMPRESSORS AND AGITATORS

> BUCKET MOUNTED AIR COMPRESSOR

Providing a compressed air supply to operate the Slide Valve ensures fast opening and closing movements.



> PRODUCT AGITATOR

Maximizes product flow to the spinner and reduces product bridging in the Hopper.

*View inside Hopper showing
Agitator paddles.*



*Agitator Drive System, rotates
when Slide Valve is open.*



GROUND-EFFECT HEAVY RATE APPLICATOR

> BULK APPLICATION

The Heavy Rate Applicator is designed for applying bulk wet or dry products at rates exceeding 500kg per hectare (446lbs per acre).

The Heavy Rate Applicator's valve opening is pneumatic and is powered by a bucket-mounted air compressor. Adjusting the door opening position allows the operator to vary the application rate easily and quickly, without the need for any special tools.

Agitator systems are also available for the Heavy Rate Applicator, which minimizes the risk of dry product bridging or hanging up in the bucket.

These systems are available in a range of sizes and come complete with certified Lifting Lines, Spreader Bar suited to your helicopter, and wiring to the top of the Lift Lines.



CAPACITIES

LITRES Capacity	US GALLONS Capacity	CUBIC FEET Capacity
106	400	14.1
119	450	15.9
132	500	17.6
145	550	19
158	600	21
171	650	23
184	700	24
250	950	33.5
277	1050	37
330	1250	44.1
356	1350	47.7
435	1650	58.2

Other volume sizes can be built according to your needs.

Contact us for information on a system that best suits your application.

GROUND-EFFECT CONCRETE SKIP

> CONCRETE TRANSPORTATION

Designed for the cartage of concrete.

A full range of Concrete Skips are available to meet your specific needs, with various volumes and release configurations, including electric and manual operation.

These durable skips can be constructed from either aluminium or steel.



CAPACITIES

LITRES Capacity	US GALLONS Capacity	CUBIC FEET Capacity
150	40	5.3
200	53	7
250	66	8.8
300	79	10.6
350	92	12.4
400	106	14.1
450	119	15.9
500	132	17.6
550	145	19
600	158	21
650	171	23
700	184	24
900	237	32
1100	290	39
1300	286	46
1500	396	53

Other volume sizes can be built according to your needs.





GROUND-EFFECT
SPREADING BUCKET

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HELICOPTER EQUIPMENT SPECIALISTS

GROUND-EFFECT GRAVEL SKIP

> GRAVEL TRANSPORTATION

Designed for the transportation of gravel products.

Clam shell door opening/closing either manual or electric over pneumatic.

CAPACITIES

LITRES Capacity	US GALLONS Capacity	CUBIC FEET Capacity
500	132	17.6
700	184	24
900	237	32
1100	290	39

Other volume sizes can be built according to your needs.



GROUND-EFFECT LOADING SYSTEMS

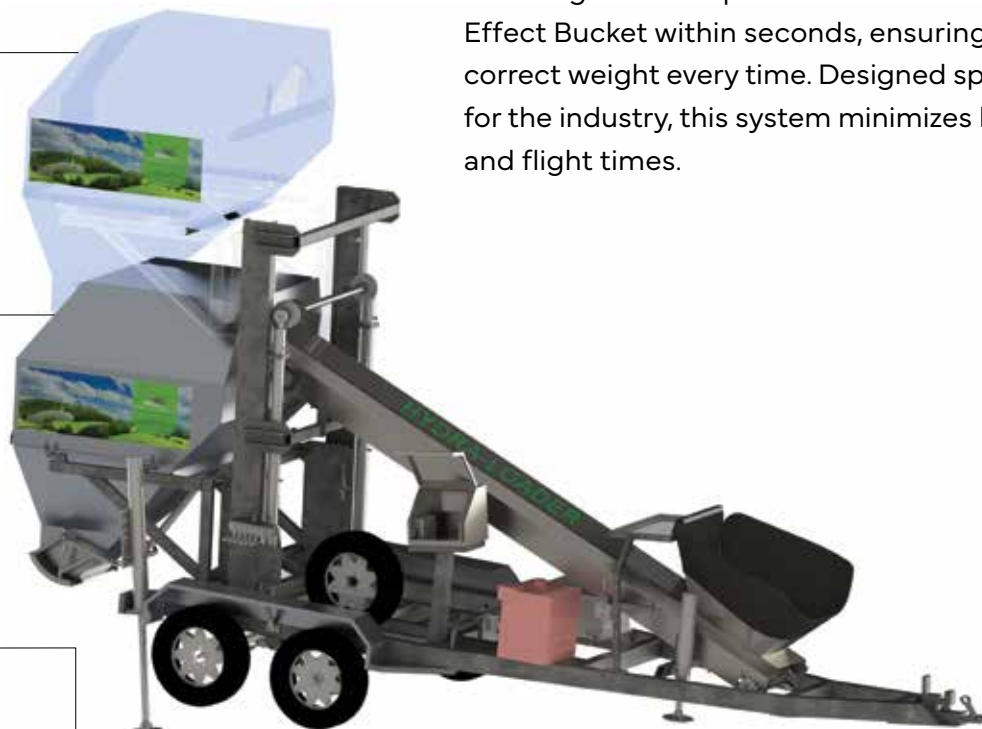
> GROUND-EFFECT HYDRA-LOADER

Looking for a fast and effective way to load your Ground-Effect Spreading Bucket, HRA or Gravel Skip? Consider our Hydra-Loader.

Pre-load hopper position when loading a Ground-Effect Spreading Bucket

Pre-load hopper filling position

Hopper unloading on Hydra-Loader and Conveyor Loader options

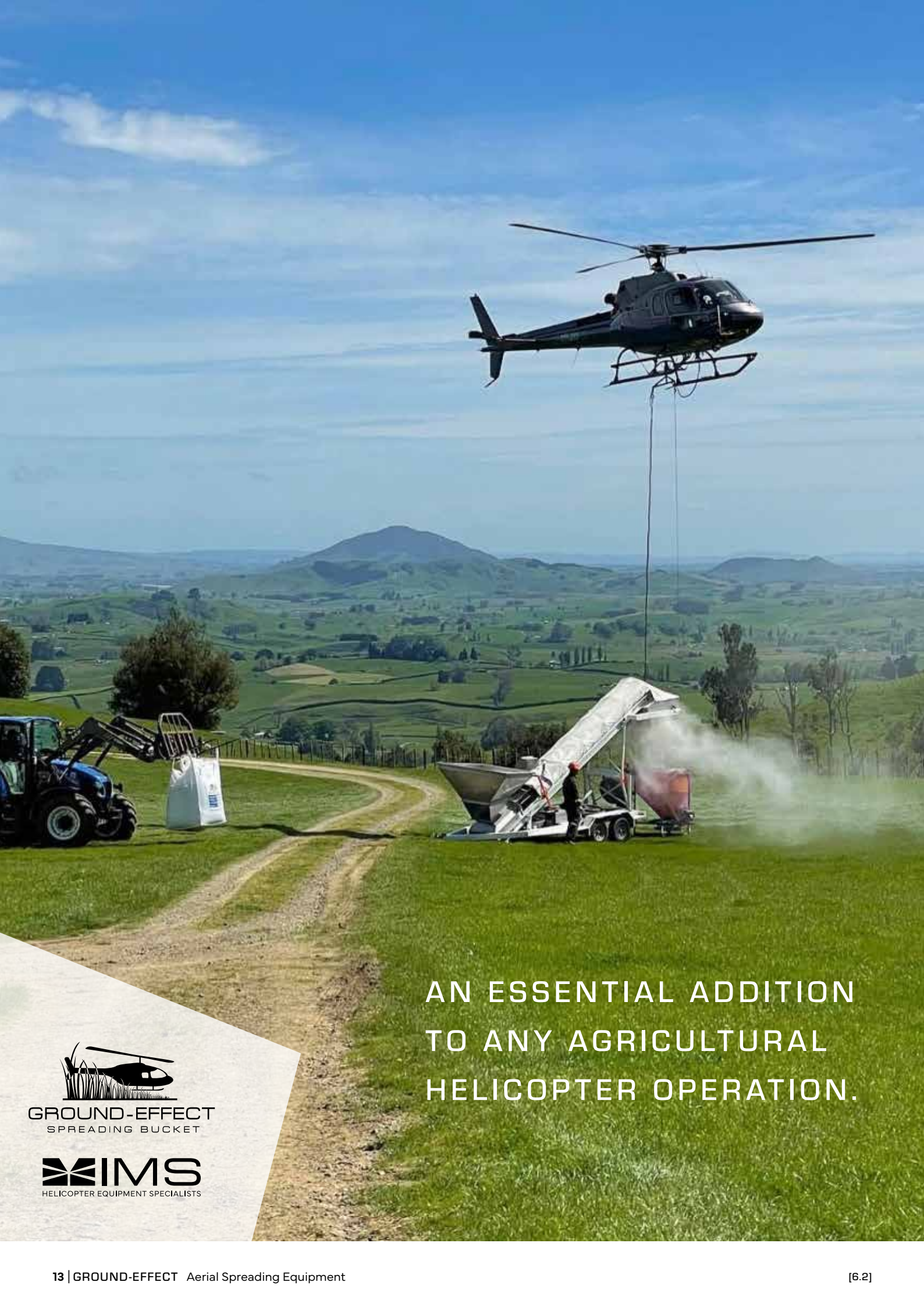


The Ground-Effect Hydra-Loader incorporates a digital load cell system to ensure precise bucket loading saving you time and ensuring effortless accuracy and consistency with each job.

Specialized equipment for a specialized job! It loads granulated products into a Ground-Effect Bucket within seconds, ensuring the correct weight every time. Designed specifically for the industry, this system minimizes loading and flight times.

> GROUND-EFFECT CONVEYOR LOADER





AN ESSENTIAL ADDITION
TO ANY AGRICULTURAL
HELICOPTER OPERATION.



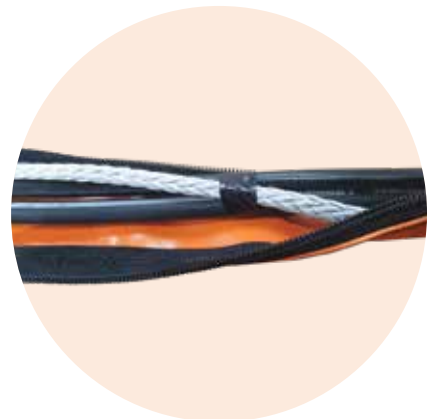
LIFTING EQUIPMENT LONG LINES

> LONG LINES

IMS Long Lines come in standard lengths of 50ft (15m), 100ft (30m), 150ft (45m), 200ft (60m), or the length can be customized for specific purpose.

These Long Lines are made from low-stretch Dynice Dux SK75 rope with a smooth polyurethane impregnation, which enhances abrasion resistance. These ropes offer a high strength-to-weight ratio.

The protective sheaths are constructed from durable and waterproof PVC with UV protective stitching. They are designed to incorporate electrical cables and pneumatic/hydraulic hoses as needed.

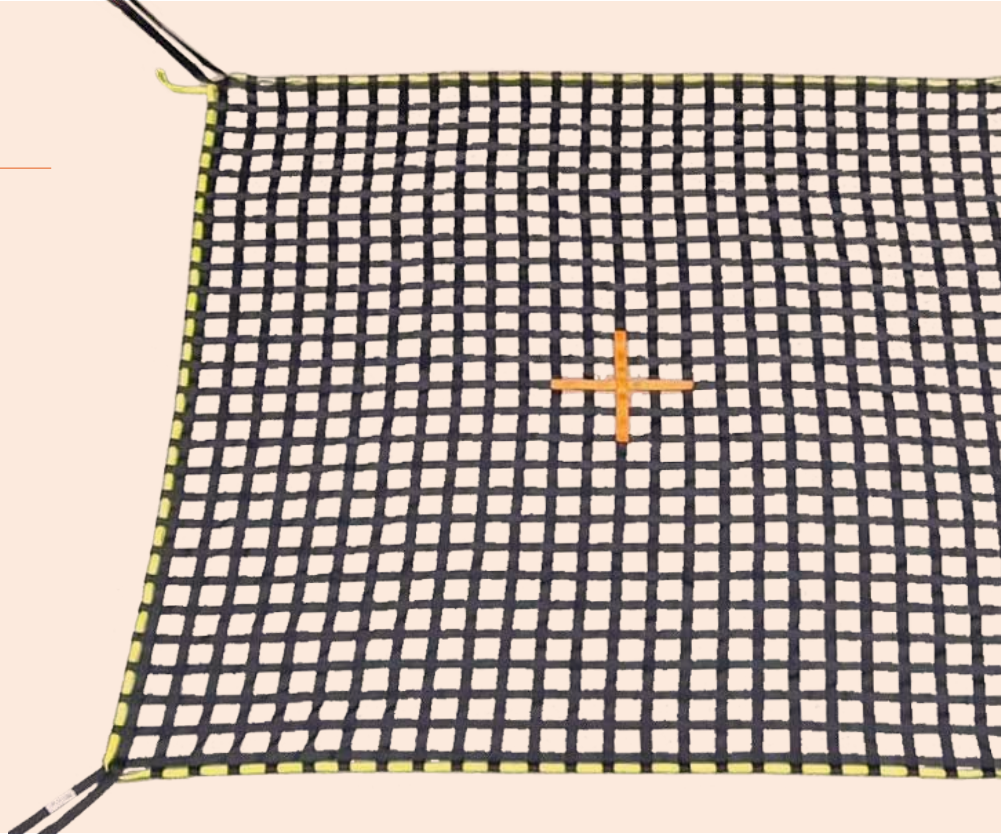


LIFTING EQUIPMENT CARGO NETS

> CARGO NETS

Ground-Effect Cargo Nets can be manufactured to suit your needs.

All Cargo Nets come with certification and a carry bag. Please contact our team for assistance.



Compact - Easily rolled and stored in Carry Bag



Carry Bag

LIFTING EQUIPMENT SWIVELS AND HOOKS

> MANUAL AND REMOTE HOOKS

We hold a range of remote hooks, which come complete with a full cage and wiring loom to match our swivels. We offer assistance and ongoing product support for required airworthiness inspections and overhauls. There are many manual hook combinations that may be suitable for your specific needs. Please get in contact to discuss further.



> MULTI-HOOK CAROUSELS

Multi-Hook Carousels are manufactured in 2-10 hook combinations. These multi-drop delivery systems are versatile and reliable, making the placement of multiple loads efficient and specific.



> SWIVELS

We produce a range of high-quality swivels suitable for any type of helicopter, with an emphasis on reliability and smooth operation. Electrical services are available on Swivels, and they can be configured to suit any Long Line/accessory configuration.





IMS FIRE LIGHTER

> SAFE, CONTROLLED BURN-OFFS

Manufactured from corrosion resistant Stainless Steel the IMS Fire Lighter withstands harsh environments and products.

The user-friendly design includes a 150mm (6-inch) filler cap and a manual product agitator. Additionally, a variable speed controller, accessible during operation, controls the flow rate of the product, and the pump and igniter turn on and off simultaneously when switched at the pilot controls.



**IMS IS YOUR TRUSTED SOURCE
FOR HELICOPTER EQUIPMENT
— GET IN TOUCH TODAY**

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