

GROUND-EFFECT

RELIABLE. ACCURATE. EFFICIENT.



GROUND-EFFECT
SPREADING BUCKET

OVER 26 YEARS OF PROVEN PARTNERSHIP
WITH PROFESSIONAL PILOTS WORLDWIDE

 **IMS**
HELICOPTER EQUIPMENT SPECIALISTS

GROUND-EFFECT STRONG, LIGHT, ENGINEERED FOR PERFORMANCE

Ground-Effect Spreading Buckets are the essential addition to any agricultural helicopter operation.



STRONG,
LIGHTWEIGHT
CONSTRUCTION



COLLAPSIBLE
FRAME OPTION



MULTIPLE
CAPACITY OPTIONS



EFFICIENT
SPINNER DESIGN



EVEN
DISTRIBUTION



ENGINEERED
FOR LONGEVITY



COMPLETE PRODUCT
EVACUATION



VARIABLE FLOW
CONTROL OPTION



CUSTOM BUILT
CONFIGURATIONS





GROUND-EFFECT SPREADING BUCKET

RELIABLE. ACCURATE. EFFICIENT.

GROUND-EFFECT SPREADING BUCKETS ARE DESIGNED TO BE STRONG, LIGHTWEIGHT AND TO MAXIMIZE THE EFFICIENCY AND DISTRIBUTION OF PRODUCT.

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. Engines are chosen for their high power-to-weight ratios, and the spinner is designed to deliver 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.

Designed for dry granular products, with configurations available for hydroseeding and other wet applications. Ask us for help in selecting the right system for you.

SPREADING BUCKET CAPACITIES

MODEL	LITRES	US GALLONS	CUBIC FEET
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 volumes available on request



GROUND-EFFECT SPREADING BUCKET

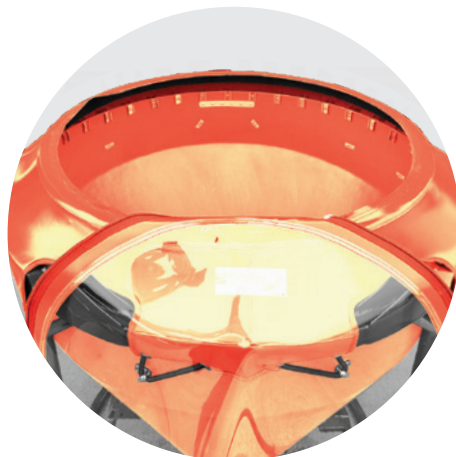
SPINNER AND ENGINE

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



HOPPER LID

Hopper lids with robust zipped openings are available across the entire Ground-Effect range, keeping product secure and minimizing any waste.



COMPRESSOR AND AGITATOR

BUCKET MOUNTED AIR COMPRESSOR

Providing a compressed air supply to operate the slide valve ensures fast opening and closing.

PRODUCT AGITATOR

The optional product agitator maximizes product flow to the spinner and reduces product bridging in the hopper.



Agitator paddles inside hopper

VARIABLE CONTROL

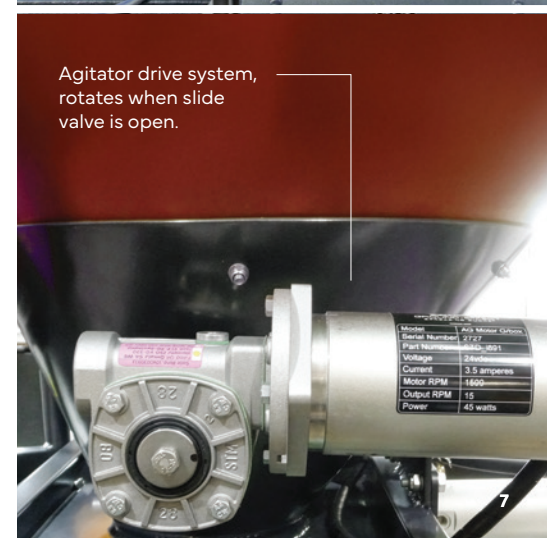
GRANULAR VARIABLE FLOW CONTROL

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.



Agitator drive system, rotates when slide valve is open.



MORE FROM THE IMS GROUND-EFFECT RANGE...



HRA CAPACITIES

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

Other volumes available on request

BULK APPLICATION

GROUND-EFFECT HEAVY RATE APPLICATOR (HRA)

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 quickly and easily, 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.

Available in a range of sizes and complete with certified lifting lines, spreader bar suited to your helicopter, and wiring to the top of the lift lines.

LOADING SYSTEMS

LOOKING FOR A FAST AND EFFECTIVE WAY TO LOAD YOUR GROUND-EFFECT SPREADING BUCKET, HEAVY RATE APPLICATOR OR GRAVEL SKIP? CONSIDER A GROUND-EFFECT LOADING SYSTEM.

GROUND-EFFECT HYDRA-LOADER

Specialized equipment for a specialized job! Designed specifically for the industry, this loader system minimizes loading and flight times.

The Ground-Effect Hydra-Loader incorporates a digital load cell system to ensure precise bucket loading, saving time and ensuring effortless accuracy and consistency. Granulated product can be loaded into a Ground-Effect Bucket within seconds, delivering the correct weight every time.



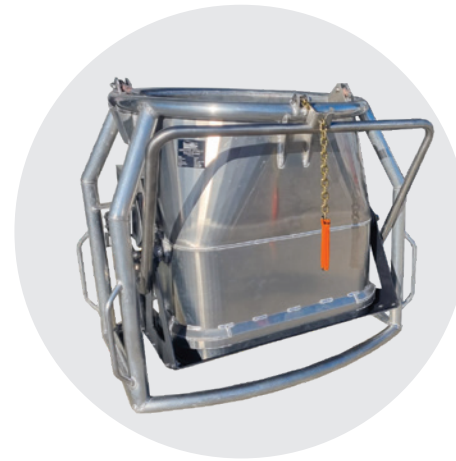
1 Pre-load hopper position when loading a Ground-Effect Spreading Bucket.

2 Pre-load hopper filling position.

GROUND-EFFECT CONVEYOR LOADER

A proven conveyor system engineered for years of dependable, low-maintenance operation in demanding bulk handling applications.





CONCRETE SKIP CAPACITIES

LITRES	US GALLONS	CUBIC FEET
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 volumes available on request

CONCRETE TRANSPORTATION

GROUND-EFFECT CONCRETE SKIP

Engineered for the reliable and efficient transport of concrete, the Ground-Effect Concrete Skip is built to meet your operational requirements. Available in a full range of volumes and release configurations, and offered with manual or electric operation.

Durable and versatile, these skips can be constructed from high-quality aluminium or steel to suit any application or environment.

GRAVEL SKIP CAPACITIES

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

Other volumes available on request

GRAVEL TRANSPORTATION

GROUND-EFFECT GRAVEL SKIP

Designed for the safe and efficient transport of gravel, the Ground-Effect Gravel Skip features a clam shell door with smooth manual or electric-over-pneumatic operation for controlled unloading. Rugged and durable, it's built to withstand harsh conditions, reduce maintenance, and deliver reliable performance, maximizing productivity on every site.

CUSTOM BUCKETS

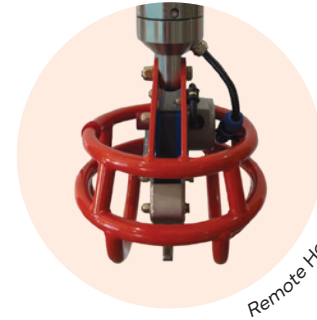
ENGINEERED FOR APPLICATION

Ground-Effect buckets can be custom designed to suit your specific operational requirements with accessories tailored to each application.

Custom designs have included lime skips, pest and mosquito control, and meat augers each built to IMS's strict quality standards. We work directly with our clients to provide responsive service and tailor-made solutions that perform reliably in the field.

Ground-Effect Lime Skip

EXPLORE MORE FROM THE IMS HELI RANGE...



Remote Hook



Manual Hook



Swivel 30 amp 3 wire 1,500 - 5,500 kgs



Swivel 20 amp 3 wire 1,500 kgs

IMS LIFTING EQUIPMENT

REMOTE AND MANUAL HOOKS

We offer a range of remote hooks, each supplied with an extended cage and wiring loom compatible with our swivels. Full support is provided for airworthiness inspections, overhauls, and ongoing maintenance.

A variety of manual hook combinations are also available to suit specific operational requirements. Please contact us to discuss the best solution for your needs.

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 can be configured to suit any Long Line / accessory configuration.

LONG LINES

IMS Long Lines come in standard lengths of 50ft (15m), 100ft (30m), 150ft (45m), 200ft (60m), or customized to meet specific operational requirements.

Constructed from low-stretch Dynice Dux SK75 rope with smooth polyurethane impregnation, these lines offer excellent abrasion resistance and a high strength-to-weight ratio.

The protective sheaths are made from durable, waterproof PVC with UV-resistant stitching, and are designed to accommodate electrical cables and pneumatic / hydraulic hoses as needed.



IMS Long Line



Compact Cargo Net and carry bag



Cloudburst Fire Bucket



Cloudburst Dam



IMS Flexible Heli-Tank

CARGO

IMS CARGO NETS

IMS Cargo Nets are manufactured to meet your specific operational requirements. They are compact, easily rolled into the included carry bag, and come complete with certification.

AERIAL FIRE SUPPRESSION

CLOUDBURST FIRE BUCKETS

Trusted by military and civilian operators worldwide, the Cloudburst Fire Bucket celebrates 22 years of proven performance and remains the world's leading helicopter firefighting application.

Featuring tough, durable urethane construction and a "fail-safe-to-open" Monsoon Valve for precise multi-drop operations, the Cloudburst can be customized with options such as Shallow-Fill Pumps and foam bladders, making it the proven, future-ready investment.

CLOUDBURST DAM

Engineered for firefighting and liquid containment, the Cloudburst Dam features a foam-filled top ring that floats on the liquid surface and self-erects for rapid, reliable deployment.

FUEL

IMS FLEXIBLE HELI-TANK

The IMS Flexible Heli-Tank is a collapsible fuel tank specifically designed for underslung helicopter transport, enabling rapid delivery of fuel to remote or otherwise inaccessible locations. Its carefully engineered shape ensures stable flight whether the tank is full or partially filled, allowing controlled partial off-loading en route without compromising safety or stability.

IMS also manufactures transportable fuel and water tanks for light commercial and military vehicles. Please get in touch to find out how our range can be customized to suit your application.



IMS FIRE LIGHTER

SAFE, CONTROLLED BURN-OFF'S

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. 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.







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