Winter Safety Equipment

www.gritbins.co.uk
TURBOCAST 1000™
Towable Dual Action Grit/Salt Spreader

TURBOCAST 1000 OFFERS WIDESPREAD BENEFITS

- Large 1/2 Tonne/500 kg capacity will hold 20 x 25kg bags of rock salt.
- Effectively spreads both wet and dry grit/salt.*
- Spreads to a width of approximately 10 metres (based on dry white rock salt).

IDEAL FOR LOCAL AUTHORITIES, LARGE INDUSTRIAL SITES, HOSPITALS, UNIVERSITIES, DISTRIBUTION CENTRES AND PRIVATE ROADS.

* The spread width and consistency will vary dependent on the moisture content of the grit/salt.
LARGE CAPACITY UNIQUE BROADCAST AND DROP SPREAD ACTION

BROADCAST SPREADS
- A large area can be covered quickly with minimum passes.
- The dual spinner plates provide an even and consistent spread.

DROP SPREADS
- Accurate controlled spreading, eliminating any waste grit/salt.
- A direct drop spread, using unique twin side deflectors.

TURBOCAST 1000 CONVERTS FROM A BROADCAST SPREADER INTO A DROP SPREADER WITH THE USE OF THE UNIQUE TWIN SIDE DEFLECTORS.

Release the catch with a gloved hand.
1
2
3
Lower the first side deflector into position.
Repeat the procedure for the second side deflector to complete the conversion.

THERE ARE 3 SPREAD RATE ADJUSTMENT SETTINGS FOR BROADCAST AND DROP SPREADING OPTIONS. THESE HAVE BEEN SELECTED TO FOLLOW RECOMMENDED GUIDELINES SET BY THE HIGHWAYS AGENCY.

Setting 1
PRECAUTIONARY (prior to ground frost, snow and ice)

Setting 2
INTERMEDIATE (following ground frost)

Setting 3
PRIORITY (following ice and snow)

An OFF setting allows the unit to be towed without dispersing grit when required.

- The highly visible hopper is manufactured from Durapol® material which will not chip, corrode or require maintenance.
- The efficient agitation mechanism allows the gritter to operate quietly (ideal for late night/early morning gritting).
- A unique protective cover means all mechanisms do not come into contact with the grit/salt. All moving mechanical parts are protected.
- Dual spinner plates rotate outwards to distribute the grit/salt evenly and consistently.
- Dump flap apertures behind the spinner plates allow any left over grit/salt to be emptied from the hopper when gritting is completed.

TOWING OPTIONS
The gritter can accommodate a number of towing vehicles with the option of a ball hitch or pin hitch, such as vans and trucks, two and four wheel-driven tractors with the pin hitch option, or passenger cars (please refer to the towing vehicle’s manufacturer’s hand book under towing/trailer weight recommendations).

* Durapol material is a polymer formulated to withstand extremes of temperature and is impact-tested in our Quality Assurance Laboratory as part of our BS EN ISO 9001: 2008 test procedure.
DURAPOL HOPPER
Extremely strong and robust with a large 500kg capacity. Durapol material will not chip or corrode, therefore no painting or surface treatment is required.

RUBBER AGITATION MAT
A 3mm thick rubber mat is attached to the agitation fingers to create the ripple effect which breaks up the grit/salt and feeds it to the hopper funnels.

AGITATION MECHANISM
The unique agitation fingers are in constant contact with the helical cam shaft providing a quiet and smooth operation.

MECHANISM COVER
All working mechanisms are encapsulated inside a protective cover to increase longevity and efficiency.

DUMP FLAP APERTURES
Allow excess grit/salt in the hopper to be released onto the floor so the gritter can be easily cleaned and maintained.

MAINTENANCE HATCH
The hopper can be pivoted forward for access to the drive components and mechanism. All components within the machine’s mechanics are easily accessible for maintenance or repairs if required.

LIGHT CLUSTER
Comprising of a rear brake, number plate, indicator and rear fog lights, which are powered by a standard 7 pin plug. These make the machine highly visible in adverse weather conditions and at night.

REFLECTORS
Rear triangle, side and front white reflectors are fitted as standard and help improve the visibility of the unit. Highly visible reflectors are also incorporated for increased awareness when the twin side deflectors are activated.

20MPH STICKER
A maximum towing speed sticker is positioned on the side of the unit for added awareness.

NEW - SHUT OFF LEVER
The Turbocast 1000 now features a Shut-Off System, so the machine can be turned off when loaded with grit. This allows gritting to be stopped when moving the machine between gritting locations, which improves cost effectiveness and efficiency as no grit is spread unnecessarily.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>TURBOCAST 1000 SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Side Deflectors not in use:</td>
<td>2676mm long x 1637mm wide</td>
</tr>
<tr>
<td>Side Deflectors in use:</td>
<td>2966mm long x 1590mm wide</td>
</tr>
<tr>
<td>Load height:</td>
<td>1151mm</td>
</tr>
<tr>
<td>Towbar height:</td>
<td>462mm</td>
</tr>
<tr>
<td>Capacity:</td>
<td>430 litres</td>
</tr>
<tr>
<td>Maximum payload:</td>
<td>500kg (holds approx 20 x 25kg bags of rock salt)</td>
</tr>
<tr>
<td>Unladen weight:</td>
<td>250kg</td>
</tr>
<tr>
<td>Maximum laden weight:</td>
<td>750kg</td>
</tr>
<tr>
<td>Maximum spreading width:</td>
<td>Approx 10 metres</td>
</tr>
<tr>
<td>Maximum towing speed:</td>
<td>20mph</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APPROXIMATE SPREADING RATES*</th>
<th>TURBOCAST 1000 SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPREAD</strong></td>
<td>RATE</td>
</tr>
<tr>
<td></td>
<td>gms/m²</td>
</tr>
<tr>
<td>Setting 1</td>
<td>15</td>
</tr>
<tr>
<td>Setting 2</td>
<td>35</td>
</tr>
<tr>
<td>Setting 3</td>
<td>55</td>
</tr>
</tbody>
</table>

*Based on dry white rock salt

TURBOCAST 1000 carries the CE mark which shows compliance with Machinery Directive (98/37/EC) which is the European Safety Directive relating to these products.
**DUAL SPINNER PLATES**
Two spinner plates rotate outwards in opposite directions to distribute the grit/salt evenly and consistently.

**TWIN SIDE DEFLECTORS**
Easily activated to create a drop spreader by limiting the width of spread. Deflectors can be used independently to prevent spreading from one side.

**SPREAD ADJUSTMENT HANDLE**
Allows the spread rate to be controlled and fixed at the desired setting to ensure grit/salt is not wasted. An off option is also available to isolate the grit/salt until ready for gritting.

**MUD GUARDS**
Integrally moulded into the hopper, the mud guards stop grit, dirt and water being sprayed up when the machine is being towed. The mud guards conform to road vehicle regulations.

**‘A’ FRAME & SECURITY CABLE**
Detachable for ease of storage and transit. The stainless steel security cable is a precautionary safety feature which keeps the gritter attached if the hitch accidentally releases.

**REVERSING BARS**
The reversing bars protect the unit from accidental damage from impact when reversing.

**OPERATOR’S BOX**
Key locked box to store equipment and essential tools.

**MAINTENANCE LAMP**
A maintenance lamp plugs into the adapter inside the operator’s box.

**DIGGA™ SHOVEL**
Digga shovel unscrews into two sections, fitting easily into the operator’s box.

**AMBER FLASHING LIGHT**
Highly visible light to warn pedestrians and road users, for a safe gritting procedure.

**FILLING GRILLE**
This allows bags of grit/salt to be easily dispensed into the hopper.

**PIN HITCH EXTENSION BAR**
The pin hitch extension bar bolts on to the A-frame and gives added clearance for vehicles with larger rear wheels (tractors) or set back hitching (fork lift trucks).

**FINE GRIT SALT KIT**
The fine grit salt kit allows the Turbocast 1000 to be used to spread fine grit salt, which is commonly used in Europe.

**NUMBER PLATE HOLDER**
The number plate of the towing vehicle can be quickly attached to the rear of the Turbocast 1000. Spring loaded clips allow a standard size oblong number plate to be easily fixed or removed.

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**LEGAL TOWING REQUIREMENTS ON THE PUBLIC HIGHWAY**

**TOWING VEHICLE WEIGHT**: Please refer to the towing vehicle’s manufacturer’s hand book under towing /trailer weight recommendations.

**LIGHTS**: Rear lights are a legal requirement when towing gritters on the public highway. They are not necessary on other sites but are recommended for additional safety.

**BRAKES**: Gritting trailers may be unbraked up to a maximum gross weight of 2000kg.

**BREAKAWAY OR SAFETY CABLE**: As there are no service brakes, a safety cable has been fitted, so that in the unlikely event of an accidental decoupling, the tow bar is restrained from hitting the floor.

**MUDGUARDS**: Must be fitted to trailers on the public highway to catch mud and water thrown up by the wheels, unless adequate protection is afforded by the trailer body.

**SPEED**: Maximum towing speed: 20mph

**NUMBER PLATE**: An area has been allocated between the rear light cluster, for the fastening of an appropriate number plate.
Adjustable wide-spread spinning action

- A manual broadcast gritter that spreads dry or wet grit/salt mixture.
- Spreads to a width of between 3 and 7m with minimum effort.
- Simply wheel forward to disperse the material.
- No matter how damp the gritting material, the TURBOCAST 300 can spread with minimum effort.
- Designed with a balanced weight distribution, TURBOCAST 300 can easily be pushed along, even when fully laden.

The hopper is manufactured from corrosion resistant double-skinned Durapol® material in yellow Ref 356 to BS381C.

Extra wide spreading width

A large area can be covered quickly with minimum passes - ideal for car parks, approach roads and depots.

TURBOCAST 300 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load height</td>
<td>690mm</td>
</tr>
<tr>
<td>Capacity</td>
<td>52ltr (holds approx 2.5 x 25kg bags of rock salt)</td>
</tr>
<tr>
<td>Maximum payload</td>
<td>66kg of wet brown rock salt</td>
</tr>
<tr>
<td>Unladen weight</td>
<td>43kg</td>
</tr>
<tr>
<td>Area of coverage</td>
<td>Please see table opposite</td>
</tr>
<tr>
<td>Maximum Spreading width</td>
<td>Approx 7.3 metres (Based on using 74kg of damp brown rock salt @ fast walking pace)</td>
</tr>
</tbody>
</table>

APPROXIMATE SPREADING RATES

<table>
<thead>
<tr>
<th>Rate gms/m²</th>
<th>Area m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Damp Brown Rock Salt</td>
<td>48</td>
</tr>
<tr>
<td>Damp White Rock Salt</td>
<td>44</td>
</tr>
</tbody>
</table>

*Durapol material is a polymer formulated to withstand extremes of temperature and is impact-tested in our Quality Assurance Laboratory as part of our BS EN ISO 9001:2008 test procedure.

**Armortec corrosion-resistant coating is specially formulated to extend the life of Glaston metal products and components used externally.
The front rest allows the unit to be emptied wheelbarrow fashion after use.

How do you store your grit/salt? Please see Pages 10-12 for details on Glasdon Grit/Salt Storage Containers.

Spreads Grit/Salt Economically - A Little Goes A Long Way!
The range of settings allow the operator to achieve accurate controlled spreading.

NEW Cover
An optional cover is available for the Turbocast 300 to provide protection when storing outdoors. Manufactured from vinyl, with a velcro closure.

NOTE: GRIT/SALT SHOULD NEVER BE LEFT IN THE TURBOCAST 300 AFTER USE.
Accurate, controlled spreading to a pre-defined width

The CRUISER range of Grit/Salt Drop Spreaders have the following benefits:

- Can be used with dry, damp or wet material.
- The continuous rippling action of the rubber plate within the hopper ensures the gritting material does not clog.
- The rotating rubber paddles scoop material from the trough and dispense it evenly.
- An adjusting handle allows accurate controlled spreading which eliminates waste and keeps cost down.

EASY MAINTENANCE

Because there are no rotating parts inside the hopper, wear and tear is minimal, giving a long, trouble-free service life. A single lever movement opens a flap in the base of the hopper for easy emptying and cleaning.

ECONOMICAL USE OF GRIT/SALT

A number of settings provide the ability to increase the gritting dosage or extend the gritting distance. The gritting material is distributed evenly from the machine to a width of 800mm from the CRUISER 80 and 500mm from the CRUISER 50. The machines will take even the most saturated material so the user has no need to worry about the condition of the grit/salt.

CRUISER TOWABLE 80

CRUISER 80 is fitted as standard with a pin hitch and 3 point linkage for mini tractors. Number plate mountings, rear lights, reflectors, mudguards and ball hitch are available as optional extras. The body, constructed from mild steel, is zinc phosphate pre-treated before being polyester powder coated Ref 356 to BS381C.

TOWING OPTIONS

CRUISER 80 is designed for use with two and four wheel-driven tractors, vans and trucks. It can also be towed by passenger cars with the ball hitch option, (please refer to the towing vehicle’s manufacturer’s handbook under towing/trailer weight recommendations), and by using the three point linkage, can be mounted on a mini tractor equipped with this facility. Supplied as standard with a pin-hitch towbar which can be extended to suit towing conditions.

CRUISER MANUAL 50

CRUISER 50 spreads dry and wet grit or grit/salt mixture effectively with minimal effort. Simply wheel forward to disperse material. Ideal for use on pavements, footpaths and car parks. Wheels are steel centred with solid rubber cushioned tyres.

CRUISER TOWABLE 80 & CRUISER MANUAL 50 SPECIFICATIONS

<table>
<thead>
<tr>
<th>CRUISER TOWABLE 80</th>
<th>CRUISER MANUAL 50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions:</td>
<td>1555mm long (1725mm fully extended) x 1270mm wide (with mudguards) x 900mm high</td>
</tr>
<tr>
<td>Load height:</td>
<td>800mm</td>
</tr>
<tr>
<td>Towbar height:</td>
<td>400mm adjustable to 640mm</td>
</tr>
<tr>
<td>Capacity:</td>
<td>160ltr</td>
</tr>
<tr>
<td>Maximum payload:</td>
<td>275kg of wet brown rock salt (holds approx 11 x 25kg bags)</td>
</tr>
<tr>
<td>Unladen weight:</td>
<td>85kg</td>
</tr>
<tr>
<td>Maximum laden weight:</td>
<td>360kg</td>
</tr>
<tr>
<td>Minimum weight of tow vehicle:</td>
<td>720kg</td>
</tr>
<tr>
<td>Area of coverage:</td>
<td>2,720m² @ 100gms/m²</td>
</tr>
<tr>
<td>Maximum spreading width:</td>
<td>800mm</td>
</tr>
<tr>
<td>Approx spreading distance:</td>
<td>3.4km</td>
</tr>
<tr>
<td>Maximum towing speed:</td>
<td>20mph</td>
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</table>

APPROXIMATE SPREADING RATES

<table>
<thead>
<tr>
<th>DRY ROCK SALT</th>
<th>RATE</th>
<th>DISTANCE</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>gms/m²</td>
<td>km</td>
<td>(miles)</td>
</tr>
<tr>
<td>Cruiser Towable 80</td>
<td>100</td>
<td>2.6</td>
<td>(1.6)</td>
</tr>
<tr>
<td></td>
<td>450</td>
<td>0.6</td>
<td>(0.4)</td>
</tr>
<tr>
<td>Cruiser Manual 50</td>
<td>100</td>
<td>1.4</td>
<td>(0.8)</td>
</tr>
<tr>
<td></td>
<td>450</td>
<td>0.3</td>
<td>(0.2)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WET ROCK SALT</th>
<th>RATE</th>
<th>DISTANCE</th>
<th>AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>gms/m²</td>
<td>km</td>
<td>(miles)</td>
</tr>
<tr>
<td>Cruiser Towable 80</td>
<td>100</td>
<td>3.4</td>
<td>(2.1)</td>
</tr>
<tr>
<td></td>
<td>450</td>
<td>0.7</td>
<td>(0.5)</td>
</tr>
<tr>
<td>Cruiser Manual 50</td>
<td>100</td>
<td>1.8</td>
<td>(1.1)</td>
</tr>
<tr>
<td></td>
<td>450</td>
<td>0.4</td>
<td>(0.25)</td>
</tr>
</tbody>
</table>
Handy, lightweight broadcast spreader for dry material

- Ideal for smaller locations where larger machines cannot effectively operate, such as car parks and on footpaths.
- Easy to use with an adjustable flow control and a spinning thrower plate mechanism allowing a wide spreading action for economy and speed.

We recommend that ICEMASTER 50 should be used with Glasdon ICEMELT. If grit or salt is used, it is essential that the material is dry.

ICEMASTER 50 has a strong, tubular steel frame and corrosion-proof plastic hopper, and is supplied flat packed for self assembly and ease of storage.

### ICEMASTER MANUAL 50 SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>50ltr</td>
</tr>
<tr>
<td>Width</td>
<td>655mm</td>
</tr>
<tr>
<td>Unladen weight</td>
<td>16kg</td>
</tr>
<tr>
<td>Weight capacity</td>
<td>55kg (holds approx 4x tubs of Glasdon ICEMELT)</td>
</tr>
<tr>
<td>Area of coverage</td>
<td>845m²</td>
</tr>
<tr>
<td>Maximum spreading width</td>
<td>2750mm</td>
</tr>
</tbody>
</table>

**ICEMELT**

**More effective than rock salt**

ICEMELT is ideal for icy steps, sloping paths and uneven surfaces. The unique ice-penetrating formula works faster, spreads further and is more effective than conventional rock salt. A little goes a long way! One tub of 12.5 litres is sufficient to cover 250m². Even if refreezing occurs, ICEMELT’s special ice-penetrating action will ensure that the surface remains safe to walk on. Supplied with a FREE dispenser. Ideal for use with Glasdon ICEMASTER MANUAL 50.

**NOW AVAILABLE IN 25KG BAGS**

**ENVIRONMENTALLY FRIENDLY**

ICEMELT is a fully bio-degradable fertiliser combined with a naturally forming rock for added safety grip. Glasdon recommend ICEMELT as an environmentally friendly alternative to common salt, as it reduces soil contamination and pollution to waterways.
Durapol material is a polymer formulated to withstand extremes of temperature and is impact-tested in our Quality Assurance Laboratory as part of our BS EN ISO 9001: 2008 test procedure.

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GRIT/SALT STORAGE

**NESTOR™ 400**

400 litre Grit Bin

- The new, improved version of our popular Nestor grit bin - now with 400 litre capacity
- Large capacity minimises the number of refills required
- Tough Durapol® construction provides quality that will last
- Nest up to 3 units high for compact storage and easy transportation
- Anti-water ingress features - ensure your grit is protected and dry

**NESTOR™ 400 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>400 ltr</td>
</tr>
<tr>
<td>Length</td>
<td>1150mm</td>
</tr>
<tr>
<td>Height</td>
<td>950mm</td>
</tr>
<tr>
<td>Width</td>
<td>725mm</td>
</tr>
<tr>
<td>Weight capacity</td>
<td>540kg loose grit/salt (or approx 21 x 25kg bags)</td>
</tr>
<tr>
<td>Colours</td>
<td>Yellow, Deep Green</td>
</tr>
</tbody>
</table>

Other colours are available - please contact our Sales Office for details.

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**PERSONALISATION OPTION**

Nestor 400 (with plain lid) can be personalised with a self-adhesive vinyl graphic or polycarbonate plaque as shown. Please contact our Sales Office for further details.

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- Strong knuckle hinge with GRP hinge rod
- Grit Salt legend or plain lid
- Robust double-skinned lid
- Fully opening lid
- 400 litre capacity with large aperture and low front lip for easy access
- Drainage channel prevents rainwater entry to keep grit/salt dry
- Concave base with stability features - allows Nestor 400 to be located on uneven ground
- Recesses allow lifting with a fork lift truck
- Optional locks
- Can be stacked for storage - up to 3 bins high.
- Ideal for multiple gritting points across large sites.

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To order these products on-line, please visit our Winter Safety Website: [www.gritbins.co.uk](http://www.gritbins.co.uk)
**ORBISTOR™ 800 litre Grit Bin**

- A revolutionary spherical design providing exceptional benefits to the user and unbeatable strength.
- Provides excellent vandal resistance - The integral knuckle and rod hinge with a plastic coated reinforcing rod resists strain when pushed back.
- Keeps its contents dry - The lid has been designed with a sloping feature to ensure adequate resistance to wind and moulded-in drainage channels prevent any accumulation of water.
- When filled with gritting material, there is an even distribution of weight, as there are no weak corners.
- Stores up to 800 litres of grit or salt - The angled lid maximises storage space, so refilling is cut to a minimum.
- The perfect choice for large sites or remote areas, saving you time and money.
- Manufactured from Durapol® material, the ORBISTOR is tough, hardwearing and value for money.
- User friendly - The ORBISTOR’s lower leading edge provides access to the contents of this stylish contemporary container.

**ALL ROUND USE . . . OF STORAGE CONTAINERS**

Glasdon Grit/Salt storage containers can also be used for general purpose storage. The ORBISTOR, NESTOR, SLIMLINE and ROLLASTOR cover a variety of sizes and capacities to cope with most storage requirements. Ideal for sand, tools, fertilisers and site equipment such as spill kits in addition to salt and grit.

**LOCKING MECHANISM**

All Glasdon Grit/Salt containers (except the Rollastor) can be fitted with a hasp and staple lock as an optional extra, to help keep the contents of your bin secure.

**ORBISTOR SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>800ltr</td>
</tr>
<tr>
<td>Height</td>
<td>1075mm</td>
</tr>
<tr>
<td>Diameter</td>
<td>1280mm</td>
</tr>
<tr>
<td>Weight capacity</td>
<td>1000kg (holds approx 40 x 25kg bags of rock salt)</td>
</tr>
<tr>
<td>Area of coverage</td>
<td>20,000m² @ 50gms/m²</td>
</tr>
<tr>
<td>Colours</td>
<td>Yellow, Deep Green</td>
</tr>
</tbody>
</table>

**NESTOR™ 90 90 litre Grit Bin**

The Nestor 90 grit/salt container is a smaller version of the Nestor 400, with the same robust Durapol® construction, double-skinned lid and knuckle & rod hinge design.

The smaller size makes it ideal for organisations that do not require a large grit bin. Several Nestor 90 bins could also be used in place of one larger container to provide multiple gritting points across a large site.

A recess in the base allows Nestor 90 to be easily moved with a sack truck even when full. They can be stacked up to 5 bins high for practical storage and transportation.

Available with either a plain lid, or embossed with a grit/salt legend. Please specify your choice when ordering.

**NESTOR 90 SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>90ltr</td>
</tr>
<tr>
<td>Length</td>
<td>630mm</td>
</tr>
<tr>
<td>Height</td>
<td>624mm</td>
</tr>
<tr>
<td>Width</td>
<td>536mm</td>
</tr>
<tr>
<td>Weight capacity</td>
<td>125kg loose grit/salt (or approx 4 x 25kg bags)</td>
</tr>
<tr>
<td>Colours</td>
<td>Yellow, Red, Deep Green</td>
</tr>
</tbody>
</table>

*Durapol material is a polymer formulated to withstand extremes of temperature and is impact-tested in our Quality Assurance Laboratory as part of our BS EN ISO 9001 : 2008 test procedure.*
The design contours and rounded profile of SLIMLINE contribute to its superior strength and give it an attractive, contemporary appearance.

Manufactured in tough, impact resistant Durapol* material for all-weather durability.

Ideal for grit/salt storage where space is limited, for example paved areas, small car parks, entrance areas and shop forecourts.

EXCEPTIONAL VANDAL RESISTANCE
SLIMLINE's lid can be fully rotated from closed to open-rest position, minimising any undue stress being applied to the hinge. The reinforced hinge also improves SLIMLINE's strength and robustness.

CONTENTS PROTECTED AGAINST WEATHER
The moulded-in drainage feature between SLIMLINE's body and lid minimises water ingress and so keeps contents dry.

INTEGRAL FORKLIFT SLOTS
Specially positioned for good stability, forklift truck slots within the base aid transportation either in storage or for on-site location. SLIMLINE's slim shape enables two containers to be transported simultaneously on one forklift truck.

LARGE EASY ACCESS APERTURE
The low access, smooth edged aperture allows easy removal of contents. The large aperture size (700 x 392mm) is also a benefit.

EASY MANUAL LIFTING
The unit can be lifted by one person for easy siting.

COMPACT STORAGE
When not in use, SLIMLINE units can be stored on their sides to save floor space.

LARGE HAND RECESS
The main body includes a recess large enough to accommodate a gloved hand to lift the lid.

CHOICE OF TWO LIDS
SLIMLINE is supplied with a moulded-in GRIT-SALT legend as standard. SLIMLINE can also be supplied with a plain lid which can be personalised with your logo and/or name, with a vinyl sticker up to A4 in size.

SLIMLINE SPECIFICATIONS
- Capacity: 160ltr
- Length: 838mm
- Height: 750mm
- Width: 515mm
- Weight capacity: 208kg (holds approx 8 x 25kg bags of rock salt)
- Area of coverage: 4,160m² @ 50gms/m²
- Colours: Yellow, Beige, Deep Green, Red

ROLLASTOR SPECIFICATIONS
- Capacity: 110ltr
- Length: 480mm
- Height: 945mm
- Width: 550mm
- Weight capacity: 132kg (holds approx 5 x 25kg bags of rock salt)
- Area of coverage: 2,900m²
- Colours: Dark Grey

How do you spread your grit/salt?
Please see Pages 2-9 for a choice of Glasdon Gritters

DO YOU NEED GRIT/SALT?
If you require grit/salt supplies in bags or bulk, we would be pleased to recommend grit/salt from:

Darlingtons
Tel: 0151 328 5610
Fax: 0151 328 5613

To place your grit/salt order or for further information please contact Darlingtons on:

If you require grit/salt supplies in bags or bulk, we would be pleased to recommend grit/salt from:

Darlingtons
Tel: 0151 328 5610
Fax: 0151 328 5613

To place your grit/salt order or for further information please contact Darlingtons on:

160 litre Grit Bin

Portable Grit Bin
SNOWSHOVEL™

For snow clearance, SNOWSHOVEL beats awkward heavy spades. Snow covered steps and door entrances can be cleared quickly and easily. Simple to use, purpose-designed SNOWSHOVEL with its broad-angled blade, removes even deep snow with ease. Armortec** coated, mild steel shovel with a wooden handle.

SNOWSCOOP™

Simple to use, SNOWSCOOP takes the hard work out of snow shovelling. Lightweight and easy to push, it quickly ‘scoops’ away snowdrifts from entrance areas, footpaths and car parks. Wheels are recessed into the 600mm wide steel blade to prevent jamming during snow clearance. Supplied in three snap-together sections for easy storage and transportation. Mild steel construction, with an Armortec** coating.

DIGGA™

Dig yourself out of trouble with this lightweight shovel. Made from robust polypropylene with a steel pin-reinforced shaft, the DIGGA unscrews into two sections, fitting easily into the boot of a car. Once assembled, the DIGGA will fit inside a grit/salt container.

GLASDON SNOSPADE™

Snospade’s extending aluminium handle can be quickly adjusted using the twist grip lock. The large capacity Durapol® shovel head is suitable for most winter applications, from clearing snow covered paths to shovelling grit from grit bins. The ergonomic Durapol® handle is comfortable to use even in freezing conditions. The compact size of Snospade makes it ideal for storage in grit bins, car boots or cupboards. A stacking channel on the shovel head allows several shovels to be easily stacked for storage.

ICEMELT™

ICEMELT is ideal for icy steps, sloping paths and uneven surfaces. The unique ice-penetrating formula works faster, spreads further and is more effective than conventional rock salt. A little goes a long way! One tub of 12.5 litres is sufficient to cover 250m2. Even if refreezing occurs, ICEMELT’s special ice-penetrating action will ensure that the surface remains safe to walk on. Supplied with a FREE dispenser. Ideal for use with Glasdon ICEMASTER MANUAL 50.

DISPENSA™

A hand held economical spreader for use in conjunction with Glasdon grit/salt storage containers (see pages 10-12).

DISPENSA SPECIFICATIONS

Capacity: 1 ltr
Colour may vary

** Armortec corrosion-resistant coating is specially formulated to extend the life of Glasdon metal products and components used externally.
Glasdon Ice Grips are dual traction so they can be used on snow and ice. They provide extra grip and confidence when walking on frozen pavements. Easy to fit, Ice Grips are available in 3 sizes and are suitable for most shoes or boots. They can be easily carried in a pocket or bag, ready to use when required. Suitable for use at temperatures down to -40°C.

**ATTACHING ICE GRIPS**

1. Place Ice Grip on the ground
2. Hook the front of the Ice Grip over the toe
3. Stretch the rear of the Ice Grip securely over the back of your shoe

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**ICE GRIPS SIZE CHART**

<table>
<thead>
<tr>
<th></th>
<th>MEDIUM</th>
<th>LARGE</th>
<th>X-LARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK Men’s</td>
<td>3-6</td>
<td>6-10</td>
<td>10-13</td>
</tr>
<tr>
<td>UK Women’s</td>
<td>3-6</td>
<td>6-10</td>
<td>10-13</td>
</tr>
<tr>
<td>Euro Women’s</td>
<td>35-39</td>
<td>39-46</td>
<td>46-48</td>
</tr>
<tr>
<td>US Men’s</td>
<td>4-7</td>
<td>7-12</td>
<td>12-14</td>
</tr>
<tr>
<td>US Women’s</td>
<td>5-8</td>
<td>8-13</td>
<td>13-15</td>
</tr>
</tbody>
</table>

**Key Features**

- Toughened steel spikes for ice grip
- Carbide steel spiral wire for snow grip
- Durable rubber toe retainer
- Additional rubber grip areas
SNOW REMOVAL / WINTER EXTRAS

SNOWDOZER™
Snow Plough Attachment for Fork Lift Trucks

YOUR OWN FORKLIFT TRUCK CAN SOON BE CONVERTED INTO A POWERFUL AND EFFECTIVE SNOW REMOVAL MACHINE.

The Glasdon SNOWDOZER is a unique, easy to fit attachment. Simply slide over the forklift truck forks and tighten fixings by hand to secure. Snow clearance will be a quick and easy operation this winter with the SNOWDOZER.

The tough, polyethylene blade is 15mm thick giving extra strength and being reversible, its life is doubled.

Replacement blades are available if required.

SNOWDOZER SPECIFICATIONS

| BLADE |
| Width: | 1750mm |
| Internal diameter: | 630mm |
| Blade thickness: | 15mm |
| Angle of sweep: | 25 degrees to the left |

| FRAME |
| Width of blade support: | 1220mm |
| Height of blade support: | 50mm |

| LENGTH OF LEGS |
| Right leg: | 700mm |
| Left leg: | 1000mm |
| Width of legs: | 150mm |

| DEPTH OF LEGS |
| Right leg: | 650mm |
| Left leg: | 900mm |
The even spread of grit/salt from the Turbocast 300 is more effective in preventing ice formation, and with less wastage from grit overspill there is less damage to the vegetation bordering footways throughout the Borough. Because of the better quality of spread that the Turbocast 300 achieved and the time saved in the gritting process, the additional work specified in the new winter gritting policy was carried out with costs kept to a minimum.

What the customer says

“\nThe Turbocast 300 has given us the capacity to grit in a more effective and efficient manner. The more even and finer grit spread pattern has enabled us to carry out this additional work much quicker than with manual gritting. This has given us savings in man-hours and grit/salt used."

Martin Sachs, Head of Transport & Highways, London Borough of Lambeth.
Problem Identified

Winter maintenance is a priority for British Airways, and they have recently extended their winter safety strategy at the busy Heathrow International Airport. British Airways use 100 stands at Heathrow Airport, mainly being fed by Terminals 1, 3 and 4, and in addition to these they have two maintenance bases with a further 30 stands. Baggage handlers, re-fuelers and many other airport staff work under the aircraft during its time in the stand, making safety during winter weather paramount in these locations. However, the BAA (Heathrow’s operator) found that it was very difficult to spread de-icer under the aircraft using the existing equipment.

Solution

British Airways decided that a manual gritting machine was needed, which staff at Heathrow Airport could use beneath the aircraft. The Glasdon Turbocast 300™ was demonstrated, and this was selected as the most effective gritting solution. The slim design of the Turbocast 300 means that it can be easily manoeuvred around the airport and underneath the planes. This manual broadcast gritting machine was suitable for use with the special “Clearway type 6’ salt which British Airways use. The Turbocast 300 has a wide spreading action with controlled settings, allowing a large area to be covered quickly and accurately with minimum effort. A total of thirty-six Turbocast 300 grit/salt spreaders were purchased.

Resulting Benefits

The use of the Turbocast 300 has significantly improved the efficiency and effectiveness of British Airways’ winter safety strategy, providing a safer environment for staff. The use of the Turbocast 300 has saved time and resulted in cost savings. An aeroplane can now be turned around whatever the weather and as the stand is free from snow and ice, the aircraft tug can ‘push back’ the aircraft unhampered by severe winter conditions.

What the Customer Says

Steve Edwards, Manager Aircraft External Appearance LHR at Heathrow Airport said:

“The Turbocast 300 has enabled us to provide a much safer working environment for our staff with a faster turnaround time. We have also been able to use more areas of the airport that were inaccessible in the past due to ice and snow.”
Johnson Controls are the commercial partner of S.T.B. Services, an in-house contractor for the Ministry of Defence. Together they provide facilities management to TNB Garrison area which includes Headquarters 43 Wessex Brigade.

During the winter months, the army are required to protect their designated areas from seasonal weather conditions, such as frost, snow and ice - a highly labour intensive and time consuming task which often resulted in some areas being accidentally overlooked, which was a safety risk.

A Glasdon representative visited various sites with the Account Manager of Johnson Controls - Mr Colin Old, and demonstrated several products that would help to increase efficiency and reduce risk to personnel.

Turbocast 300™ was chosen as the ideal solution for gritting car parks quickly and efficiently, due to its wide spreading action. Its suitability for use in pedestrian areas where vehicular access is limited was also a deciding factor.

Nestor™ grit/salt storage containers were selected as an ideal solution for storing gritting material in accessible locations all year round.

The Turbocast 300 can be handled with ease. In addition, its extra-wide spreading width means that a large area can be covered quickly with minimum passes - enabling a quick and effective operation. Its unique slim design and range of settings allow accurate and controlled spreading, making the Turbocast 300 ideal for footpaths and pedestrian areas.

The army have placed the Nestor grit/salt containers strategically around their grounds, enabling operators to go from bin to bin, rather than refilling the Turbocasts at a central location - saving valuable time.

The army intend to trial the Turbocast 300 around a number of principal sites. If successful, recommendations will be made to all other senior divisional HQs throughout the U.K.

Mr Colin Old, Account Manager for Johnson Controls said...

“Johnson Controls, with the support of Glasdon, have been able to provide a total solution to the client’s problem.”

A spokesperson for the army commented...

“The Turbocast 300 has proved to be a highly effective piece of equipment.”

The Facilities Management Director of S.T.B. Support Services, Mr Tim Douglas stated...

“Turbocast 300 works very efficiently. The adjustable spread rate provides the flexibility we need to grit small pathways and main pedestrian routes. Ease of maintenance and high visibility add value.”

We are grateful to Johnson Controls, S.T.B. Services and the Ministry of Defence for the kind help given in the production of this case study.
Winter Safety Management for Greene King Fine Ales

Problem Identified
The Greene King Fine Ales Brewery in Bury St Edmunds employs approximately 950 personnel and covers a 45 acre site. The Brewery serves 2,340 public houses nationwide and runs part of its logistics operations from this site. A production site and workforce of this size can pose a number of health and safety challenges. This was particularly true for Greene King during winter months when snow and ice sometimes made pathways, car parks and access roads hazardous for employees, visitors and vehicles on the site. The gritting methods used by the company’s maintenance staff were relatively slow, and it could often take a whole morning to make the site safe. After reviewing the situation, Adrian Goodwin, the Facilities Safety and Maintenance Manager decided to look for a new solution to the company’s winter safety needs.

Solution
Mr Goodwin had previously purchased litter bins from Glasdon and was aware of the range of winter safety equipment offered by the company and he approached Glasdon for product advice. A representative visited the site and gave recommendations on possible solutions. Following this, Greene King purchased a range of winter safety equipment to meet their specific safety management needs. The brewery selected the following products:

Turbocast 300™
A manual broadcast gritter which spreads damp, dry or wet material with minimum effort. The unique spinning mechanism spreads grit to a width of up to 7 metres with minimum effort, making this ideal for use in car parks, loading bays and on access roads. Turbocast 300 is easy to manoeuvre, even when fully laden.

Cruiser™ Manual 50
A manual drop grit/salt spreader which can spread damp, dry or wet material. The slimline design of Cruiser 50 makes it ideal for gritting footpaths and pavements. A continuous rippling action within the hopper ensures the gritting material does not clog.

Slimline™ Grit/Salt Bins
Ideal for protecting gritting materials from the elements, Slimline Grit/Salt bin is ideal where space is limited. Manufactured from tough, weather-resistant, Durapol® material, the bin has a large, easy access aperture.

Resulting Benefits
Staff have found the Turbocast 300 and Cruiser Manual 50 units easy to use, allowing the whole site to be gritted quickly and efficiently. Control settings on each of the units allow measured dosing which eliminates waste and ensures economic spreading. The Slimline Grit/Salt Bins keep gritting materials safe and dry, and the compact design has allowed the bins to be sited in all areas where easy access to gritting materials is required.

The products purchased by Greene King have greatly improved the winter safety management operation on site. The efficient gritting process can now be completed by maintenance staff in two hours, saving time and money. This also means that the site can be safely gritted before employees, visitors and vehicles arrive, reducing the hazards caused by snow and ice.

What the customer says
"The Turbocast 300 and Cruiser Manual 50 gritting machines have greatly improved the effectiveness of our winter safety strategy. The units have made the gritting process much easier for our operators, improving efficiency and saving the company time and money."

Adrian Goodwin, Facilities Safety and Maintenance Manager.
User case studies to illustrate how Glasdon winter safety products could help your organisation are available to view/download on our website.

WINTER PRODUCT CASE STUDIES

All Glasdon grit/salt containers can be personalised with your name and/or logo. Make your grit/salt containers instantly recognisable and unique. Promote your responsibility for winter safety.

Personalisation

Multi-Purpose Storage Containers

All Glasdon grit/salt containers can be used for general purpose storage, giving them all-year round versatility. Ideal for sand, tools, fertiliser, spill kits and other site equipment in addition to winter salt and grit storage.

Visit www.glasdon.com

All Glasdon grit/salt containers can be personalised with your name and/or logo. Make your grit/salt containers instantly recognisable and unique. Promote your responsibility for winter safety.

FOR INFORMATION ON OTHER GLASDON PRODUCTS, PLEASE CONTACT OUR SALES OFFICE ON TEL 01253 600410, FAX 01253 792558 OR EMAIL sales@glasdon-uk.co.uk

TO ORDER DIRECT FROM THIS CATALOGUE

Visit our Winter Safety Website www.gritbins.co.uk

Free Delivery In Mainland UK & Northern Ireland

Our national distribution network ensures prompt delivery in mainland UK and Northern Ireland. All our prices are carriage-free on the mainland and Northern Ireland for orders over £50 value, only VAT will be added. However, to help offset the cost of packing, administration and delivery, there is a small charge of £5 on orders below the value of £50.

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