MUCK SPREADERS
Titan Range

**TITAN 6 & 8**
Up to 7.5/9.4 m³

**TITAN 9**
Up to 10.5 m³

**TITAN 10**
Up to 11.6 m³
Teagle Machinery was established over 75 years ago, manufacturing the first Titan rear discharge muck spreader in 1970. We remain a family business focussed on meeting the needs of our customers whether just around the corner, or in one of the 35 countries worldwide to which we regularly ship machinery. From the outset, our machinery has been designed to be simple, robust and easy to use. We still stand by these values, with all our products being tested extensively on farms throughout the world to ensure that they perform reliably day-in day-out, under the toughest conditions. As sales of Titan Rear Discharge Muckspreaders continue to grow, the reasons that customers return time after time to buy from Teagle are twofold:

**Product Focus** - We actively invest in research, design and manufacturing technology to ensure that our product range constantly evolves to remain at the cutting edge, whilst being available at a competitive price. The Titan range of spreaders is based on a robust body and bed chain system, with a particular focus on the beater system which has been carefully developed to deliver a fine and even spread pattern.

**Backup** – After-sales support is our priority, requiring commitment to a comprehensive parts stock and effective dealer network. We set aside part of our 25,000 m² facility in Cornwall to a substantial stock of wearing and non-wearing parts to keep you up and running.
Thanks to their compact size, the Titan 6 and 8 models are manoeuvrable where access is difficult. A low centre of gravity and low towing weight allow smaller tractors to operate on hilly ground.

**SUITABLE FOR:** Ideally suited to smaller tractors. Offering outstanding manoeuvrability and stability.

**Compact Performance**

Thanks to their compact size, the Titan 6 and 8 models are manoeuvrable where access is difficult. A low centre of gravity and low towing weight allow smaller tractors to operate on hilly ground.

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**Capacity**

<table>
<thead>
<tr>
<th></th>
<th>HP</th>
<th>PTO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>80-90</td>
<td>540rpm</td>
</tr>
</tbody>
</table>

**5.7m³ - 9.4m³**

---

### TITAN 6 & 8

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Capacity (with extensions)</th>
<th>min</th>
<th>Weight</th>
<th>tyres</th>
<th>PTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>2.99m</td>
<td>2.60m*</td>
<td>1.93m*</td>
<td>6.1m</td>
<td>5.7m³ (7.5m³)</td>
<td>80</td>
<td>3,380 kg</td>
<td>18.4/15 x 30</td>
<td>540rpm</td>
</tr>
<tr>
<td>8</td>
<td>2.99m</td>
<td>2.60m*</td>
<td>1.93m*</td>
<td>7.0m</td>
<td>7.2m³ (9.4m³)</td>
<td>90</td>
<td>3,660 kg</td>
<td>18.4/15 x 30</td>
<td>540rpm</td>
</tr>
</tbody>
</table>

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### Options

- Side Extensions (300mm) - Optional
- Electronic Bed Speed Control - Optional
- Compost/Poultry Manure Beater Tips - Optional
- Sprung Drawbar - N/A
- Commercial Axle - N/A
- Hitch Options - N/A
- GPS Weighing - N/A
- Slurry Door - ●
- Oversize Wheels - Optional
- WAJ PTO with Cam Clutch - ●
- Non - Supply of Slurry Door - Optional

*With standard wheels, without side extensions. For options details see page 7*

**Key:**
- **O** = Optional
- ● = Standard
- N/A = Not Applicable
Economical Capacity

Sharing the Titan 6 and 8 beater system but designed with additional capacity, the Titan 9 offers a greater workrate when managing larger quantities of manure.

**SUITABLE FOR:** Operators requiring high output from tractors with limited horsepower.

### Capacities

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Capacity (with extensions)</th>
<th>HP</th>
<th>PTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>3.20m</td>
<td>2.60m*</td>
<td>2.10m*</td>
<td>7.0m</td>
<td>8.3m³ (10.5m³)</td>
<td>100</td>
<td>540rpm</td>
</tr>
</tbody>
</table>

**Capacity:**
- 8.3m³ - 10.5m³

**HP:**
- 100

**PTO:**
- 540rpm

---

**Key:***
- ○ = Optional
- ● = Standard
- N/A = Not Applicable

---

*With standard wheels, without side extensions. For options details see page 7*
How does yours measure up?

Upper beater bearings can be greased from ground level
Splash boards keep the sides of the spreader clean
Reversible hardened tips offer extended service intervals
Continuous augers are welded to large diameter heavy gauge tubes
Swinging flails highly tolerant to foreign objects
One piece gearbox for strength and reliability

The TITAN beater system

Whether spreading fresh, well rotted or semi-solid farmyard manure, poultry litter, compost or waste products, Titan spreaders deliver an even, fine and wide spread pattern. Large diameter beaters generate a high tip speed to ensure a fine shredding action is achieved, with tall beaters delivering massive output (up to 3t/min) for high work rates.

Capacity using volume not weight

Muckspreader capacity is often a subject of debate, but is essential to ensure that machines can be compared like for like.

Comparing machine capacity by weight cannot be applied in practice because it is dependent on one important variable; the density of the material being spread. For example, 1 ton of compost has far greater volume than 1 ton of farmyard manure.

Comparing machine capacity by volume is more practical, but still requires guidelines to ensure transparency so that you can determine the capacity and model that you require.

**CAPACITY calculator**

How is TITAN capacity calculated?
1. Measure without slurry door fitted
2. Filled to beater tips (internal)
3. Heaped at 30 degree angle to horizontal
4. Heaped to 300mm peak radius at top
5. Loaded to rest on front guard

OPTIONAL Poultry Manure/Compost Paddles
For greater spread widths and an improved pattern with friable materials.
Our latest development

Heat Treated Boron Auger Flight

TITAN 10 | 12 | 15 | 17
THE RIGHT CHOICE FOR LARGE SCALE OPERATORS DEMANDING HIGH PERFORMANCE, IMPROVED STRENGTH AND LONGER SERVICE INTERVALS.

STRENGTH
- Boron steel is pre-heated to over 1000°C to provide additional strength and extended service life.
- Boron steel has twice the flexural strength of mild steel and maintains its form throughout the manufacturing process to produce a reliable, high quality end product.
- The physical characteristics of Boron steel ensures components repeatedly return to their original shape after impact.

DURABILITY
- Boron steel has wear resistance 6.5 times greater than mild steel and significantly longer than other hardened steels tested for agricultural use.
- The most advanced heat treatment system in the industry ensures that Boron steel is made harder but not brittle, making it more resistant to damage.
- Due to its unique production process Boron heat treated components benefit users with a longer service life than either mild or pre-heated treated steels.

Nutrition and Structure
Correctly applied, manure has a number of beneficial effects on soil properties, promoting increased yields and better quality crops.
- Provides a natural source of available nitrogen.
- Adds humus and slow releasing nutrients to the soil.
- Aids water and nutrient retention.
- Increases soil fertility.
- Helps break down heavy soils.
- Adds structure to light and sandy soils.

Shred and Spread
To gain the greatest potential from your manure it is essential that it is shredded and evenly spread to:
- Expose more manure surface to sunlight, quickly drying it out & reducing nutrient loss, parasites and fly reproduction.
- Reduce decomposition time, enabling livestock to return and safely graze in the minimum time period.
- Promote dense grass growth and reduce invasive weeds.
- Prevent clumps of manure from smothering grass that create bare spots in the pasture.
**SUITABLE FOR:** Farmers and contractors, with a heavy duty spreading system that is built to last.

**A Fine and Even Spread**

Featuring our latest large diameter boron steel beater design, shallow pitch augers with deep tip overlap and high tip speed ensure a thorough chopping and mixing action.

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<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Capacity (with extensions)</th>
<th>HP</th>
<th>PTO</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>3.29m</td>
<td>2.90m*</td>
<td>2.23m*</td>
<td>7.1m</td>
<td>9.2m³ (11.6m³)</td>
<td>120</td>
<td>1000rpm</td>
</tr>
<tr>
<td>12</td>
<td>3.29m</td>
<td>2.90m*</td>
<td>2.23m*</td>
<td>7.9m</td>
<td>10.9m³ (13.8m³)</td>
<td>140</td>
<td>1000rpm</td>
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</tbody>
</table>

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**Side Extensions (300mm)**

- Optional

**Electronic Bed Speed Control**

- Optional

**Compost/Poultry Manure Beater Tips N/A**

**Flashing Beacon**

- Optional

**Sprung Drawbar**

- Optional

**Commercial Axle - Hydraulic Brakes**

- Optional

**Hitch Options (sprung drawbar)**

- Optional

**GPS Weighing**

- Optional

**Slurry Door**

- Standard

**Oversize Wheels**

- Optional

**WAJ PTO with Cam Clutch**

- Optional

**Non - Supply of Slurry Door**

- Optional

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*With standard wheels, without side extensions. For options details see page 7

**Key:** O = Optional ● = Standard N/A = Not Applicable
Strength and durability with large diameter boron steel beaters, heavy duty body construction and massive 18mm bed chain. Commercial axle with combined air/hydraulic brake system as standard.

**SUITABLE FOR:** Large scale operators requiring a high specification on highways and in the field.

**The Professionals Choice**

Strength and durability with large diameter boron steel beaters, heavy duty body construction and massive 18mm bed chain. Commercial axle with combined air/hydraulic brake system as standard.

**Capacity** | **HP** | **PTO**
--- | --- | ---
13.9m³ - 18.9m³ | 150-170 | 1000rpm

**TITAN 15 & 17**

**MODEL** | **A** | **B** | **C** | **D** | **Capacity (with extensions)** | **min** | **Weight** | **tyres** | **PTO**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
15 | 3.57m | 2.90m* | 2.51m* | 7.92m | 13.9m³ (16.9m³) | 150 | 6,610 kg | 580/70 R38 | 1000rpm
17 | 3.57m | 2.90m* | 2.51m* | 8.52m | 15.6m³ (18.9m³) | 170 | 6,865 kg | 580/70 R38 | 1000rpm

* With standard wheels, without side extensions. For options details see page 7

**Key:** O = Optional ● = Standard N/A = Not Applicable
Running gear to meet the new standards

A high specification ensures that the specific demands of large scale operators are fulfilled.

Features

**SLATS & U-BOLTS**
Full width slats ensure that material does not bridge in the middle. Slats are secured to the chain with U-Bolts to enable straightforward maintenance.

**CHAINS & TENSIONING**
Heavy duty chains are calibrated for reliable operation. Tensioning is straightforward using the threaded adjuster.

**SPROCKET & DRIVE SHAFT**
Steel bed chain sprockets are designed for tremendous strength and durability.

**BED DRIVE**
Reversible and fitted with an overload relief valve. Bed speed is controlled using either the tractor hydraulic system or the valve mounted on the front of the Titan.

**SLURRY GATE & LIGHT SHIELDS**
Robust slurry gate designed to ensure a long & trouble free service life. For safety on the road, shields automatically cover the LED light units when the slurry gate is opened for spreading.

**WAX / CAM CLUTCH PTO**
A low maintenance cam clutch provides driveline protection and a wide-angle enables continuous operation with the Walterscheid PTO shaft.

**SPECIFY YOUR HITCH**
The heavy-duty sprung drawbar combines strength as well as the flexibility of a bolt-on hitch to match your operational and tractor requirements.

**SAFE BRAKING**
A dual supply air and hydraulic braking system is integrated with high-speed 10-stud commercial axles. Mudguards are also available.

**RIDE COMFORT**
A heavy duty sprung drawbar is fitted with low maintenance bushes at the pivot points. Drawbar angle can be set to optimise spreading performance.
Built to meet your needs

Configure your Titan to suit your individual requirements from the following options.

**SIDE EXTENSIONS**
For extra capacity from the same compact spreader.

**LED STROBE LIGHT**
Recommended for highway use.

**WHEEL OPTIONS**
For special applications or reduced ground compaction. Contact us for more information.

**WEIGH CELL ENABLED**
Linking GPS and weigh cells, enables you to set and monitor spread rates on the move. Available as factory fit or retro-fit, your choice.

**HITCH OPTIONS**
When fitted with a sprung drawbar, an optional 80mm ball hitch can be specified in lieu of the standard bolt-on ring hitch.

**ELECTRIC BED SPEED CONTROL**
For accurate and convenient in-cab spread rate control.
To keep your Titan running, Teagle carry a comprehensive stock of spare parts which are available for next day delivery.

**Production hall**

**Design process**
Experienced design engineers equipped with state of the art software ensure that strength is in-built where it is needed.

**Precision engineering**
Rotors are dynamically balanced in-house to ensure smooth running and longevity of the spreading system.

**Quality finish**
Prior to finishing with a 2 pack paint system, all components are shot blasted. All seams are continuously welded or sealed to protect against corrosion.

**Robotic welding system**
Rotors are robot welded to ensure consistancy, strength and quality.

**British built and backed**
To keep your Titan running, Teagle carry a comprehensive stock of spare parts which are available for next day delivery.
“Produces an even spread pattern across the field - essential for providing nutrients and soil conditioning”.

**JAMES COSSINS** farms 2,500 acres on the chalk hills around the Tarrant Valley in mid-Dorset. J Cossins & Sons is a true family business operating a mixed farming enterprise since 1887.

Around 1,800 acres of combinable crops are supplemented with a herd of 600 dairy and beef animals. The whole ethos of the farm is underpinned by a philosophy of “self-sufficiency”, ring fencing the farming activities as an effective means of bio-security.

James recently bought a new Teagle Titan 9 muckspreader. It replaced a Titan 12 purchased in 2002 and works in tandem with another Titan 9 purchased in 2013.

Muck is applied to maize and arable ground and can often include a high proportion of slurry.

“The Titan copes well with the wide variety of muck producing an excellent, even spread pattern across the field that is essential for providing nutrients and soil conditioning” says James.

James goes on to say; “nobody likes maintenance, but if it’s easy to access and convenient it gets done. Teagle has made a number of developments on their muckspreaders since the 2013 machine with easier access to critical greasing points, drive-line protection and bed chain adjustment and other routine maintenance”.

“Large diameter beaters provide wide, fine, equal spread pattern.

**HENRY MURDOCH** farms 270 acres, mainly set to grassland pasture, at Dalrymple in Ayrshire. For many years the dung was spread with a reliable 8.5m3 Rotospreader. In recent years he had noticed the growing popularity in Rear Discharge Spreaders and purchased a New Titan 8.

Two years later, Henry looks back favourably on the choices he made: “Electric Bed Speed Control offers me so much more flexibility compared to my old Rotospreader. I’m in control of the application rate. I observe the bed speed and spread pattern through the mirrors on the tractor and adjust accordingly. After all dung is not a waste product, we apply it as a top dressing fertiliser providing benefits both in soil condition, and nutrients to the crop”.

Henry goes on to say, “The Titan has large diameter beaters which provide a wide, fine, equal spread pattern. Absorbency is quick and much more effective with this system. We save money on artificial fertiliser and we can put cattle back in the pasture 10-14 days after application. I’ve gone from moving dung to applying manure with a Grassland Management Tool”.
### Specifications

<table>
<thead>
<tr>
<th></th>
<th>TITAN 6</th>
<th>TITAN 8</th>
<th>TITAN 9</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Capacity (Heaped)</strong></td>
<td>5.7 m³</td>
<td>7.2 m³</td>
<td>8.3 m³</td>
</tr>
<tr>
<td><strong>Capacity with side extensions (Heaped)</strong></td>
<td>7.5 m³</td>
<td>9.4 m³</td>
<td>10.5 m³</td>
</tr>
<tr>
<td><strong>Overall Height (A)</strong></td>
<td>2.99 m</td>
<td>2.99 m</td>
<td>3.2 m</td>
</tr>
<tr>
<td><strong>Overall width (with standard tyres) (B)</strong></td>
<td>2.60 m</td>
<td>2.60 m</td>
<td>2.60 m</td>
</tr>
<tr>
<td><strong>Loading Height (with std. wheels) (C)</strong></td>
<td>1.93 m</td>
<td>1.93 m</td>
<td>2.10 m</td>
</tr>
<tr>
<td><strong>Overall Length (D)</strong></td>
<td>6.1 m</td>
<td>7.0 m</td>
<td>7.0 m</td>
</tr>
<tr>
<td><strong>Internal Length</strong></td>
<td>3.29 m</td>
<td>4.22 m</td>
<td>4.31 m</td>
</tr>
<tr>
<td><strong>Internal width</strong></td>
<td>1.5m-1.7m</td>
<td>1.5m-1.7m</td>
<td>1.5m-1.7m</td>
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<tr>
<td><strong>Internal height</strong></td>
<td>0.84 m</td>
<td>0.84 m</td>
<td>1.00 m</td>
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<tr>
<td><strong>Standard tyre size</strong>*</td>
<td>18.4-30</td>
<td>18.4-30</td>
<td>18.4-34</td>
</tr>
<tr>
<td><strong>Unladen Weight</strong></td>
<td>3,380 kg</td>
<td>3,660 kg</td>
<td>3,880 kg</td>
</tr>
<tr>
<td><strong>Steel thickness (floor / sides)</strong></td>
<td>4mm/4mm</td>
<td>4mm/4mm</td>
<td>4mm/4mm</td>
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<tr>
<td><strong>Brake Size / Axle Studs</strong></td>
<td>400 x 80mm / 8 stud</td>
<td>400 x 80mm / 8 stud</td>
<td>400 x 80mm / 8 stud</td>
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<td><strong>Floor - Chain Diameter</strong></td>
<td>12 mm</td>
<td>12 mm</td>
<td>14 mm</td>
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<tr>
<td><strong>PTO Speed</strong></td>
<td>540 rpm</td>
<td>540 rpm</td>
<td>540 rpm</td>
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<tr>
<td><strong>Bed drive shaft diameter</strong></td>
<td>50 mm</td>
<td>50 mm</td>
<td>55 mm</td>
</tr>
<tr>
<td><strong>Minimum recommended HP</strong></td>
<td>80 HP</td>
<td>90 HP</td>
<td>100 HP</td>
</tr>
</tbody>
</table>

**Key:** * For capacity calculation see page 3. ** Add 300mm for side extensions. *** Contact us for other tyre sizes

#### Standard/Optional Equipment

<table>
<thead>
<tr>
<th></th>
<th>TITAN 6</th>
<th>TITAN 8</th>
<th>TITAN 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Side Extensions</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Electronic Bed Speed Control</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Compost/Poultry Manure Beater Tips</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Flashing Beacon</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>Sprung Drawbar</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Commercial Axle - Air / Hydraulic Brakes</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Hitch Options</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>GPS Weighing</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Slurry Door</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Oversize Wheels</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
<tr>
<td>WAJ PTO with Cam Clutch</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Non - Supply of Slurry Door</td>
<td>O</td>
<td>O</td>
<td>O</td>
</tr>
</tbody>
</table>

The company’s policy is one of continuous improvement and development, therefore specifications are subject to change without prior notice.
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>TITAN 10</th>
<th>TITAN 12</th>
<th>TITAN 15</th>
<th>TITAN 17</th>
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<tbody>
<tr>
<td><strong>Volume (m³)</strong></td>
<td>9.2</td>
<td>10.9</td>
<td>13.9</td>
<td>15.6</td>
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<tr>
<td></td>
<td>11.6</td>
<td>13.8</td>
<td>16.9</td>
<td>18.9</td>
</tr>
<tr>
<td><strong>Length (m)</strong></td>
<td>3.29</td>
<td>3.29</td>
<td>3.57</td>
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<tr>
<td></td>
<td>2.90</td>
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<tr>
<td></td>
<td>2.23</td>
<td>2.23</td>
<td>2.51</td>
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<tr>
<td></td>
<td>7.1</td>
<td>7.9</td>
<td>7.92</td>
<td>8.52</td>
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<tr>
<td><strong>Width (m)</strong></td>
<td>4.14</td>
<td>4.94</td>
<td>5.03</td>
<td>5.63</td>
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<td>1.00</td>
<td>1.00</td>
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<tr>
<td><strong>Height (m)</strong></td>
<td>580/70 R38</td>
<td>580/70 R38</td>
<td>580/70 R38</td>
<td>580/70 R38</td>
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<tr>
<td></td>
<td>5,210kg</td>
<td>5,470kg</td>
<td>6,610kg</td>
<td>6,865kg</td>
</tr>
<tr>
<td></td>
<td>5mm/4mm</td>
<td>5mm/4mm</td>
<td>5mm/4mm</td>
<td>5mm/4mm</td>
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<tr>
<td><strong>Dimensions</strong></td>
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<tr>
<td></td>
<td>400 x 80mm / 10 stud</td>
<td>400 x 80mm / 10 stud</td>
<td>406 x 140mm / 10 stud</td>
<td>406 x 140mm / 10 stud</td>
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<tr>
<td></td>
<td>14mm</td>
<td>14mm</td>
<td>18mm</td>
<td>18mm</td>
</tr>
<tr>
<td></td>
<td>1000rpm</td>
<td>1000rpm</td>
<td>1000rpm</td>
<td>1000rpm</td>
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<tr>
<td></td>
<td>55mm</td>
<td>55mm</td>
<td>60mm</td>
<td>60mm</td>
</tr>
<tr>
<td></td>
<td>120HP</td>
<td>140HP</td>
<td>150HP</td>
<td>170HP</td>
</tr>
</tbody>
</table>

### Key:
- **Optional Equipment**
- **Standard Specification**
- **Not Available**
With over 40 years experience since the introduction of the first Titan models, Teagle has established a reputation for designing and manufacturing high quality, high performance rear discharge muckspreaders.

Contact us today to discuss your individual requirements.

Call our Sales Desk: Toll Free 855 383 2453

North America Sales Manager
Andy Robson 252 292 0911
Toll Free: 1-855-383-2453
1-855-3TEAGLE
salesna@teagle.co.uk
www.teagle.co.uk

KEY: Distributor Locations

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