

Spreading Equipment



EconoSpread





In the mid-1990s, Radium started with the manufacturing of Transspread spreaders. Prior to this, Radium had manufactured a number of makes and models of spreaders for various companies, both internationally and locally. The concept of the Transspread spreaders introduced the innovative design of a chain conveyor system, the three-speed ground-related gearbox and easy adaptation for variable rate spreading.

The Transspread spreaders were developed in, and introduced to New Zealand in the 1960s by Dave Hoyle. These spreaders are now manufactured on four continents and distributed throughout the world. This allows for an effective network of information to be shared globally, always ensuring that the customer can purchase a machine that is manufactured in accordance with the most recently optimized international specifications. Extensive testing and development ensure unbeatable spreading precision, with easy-to-use controls and ultimate flexibility, which contribute to the farmer saving both time and money.

Today, Radium offers the farmer and contractor four different classes of spreaders, from specialised models with reduced and compact dimensions to suit viticulture and horticultural practices, to models capable of spreading extremely low rates of fertiliser, to heavy rates of lime and dry organic materials.

2015 marked the introduction of the all new range of Generation III spreaders. While the fundamental workings of the machine stayed true to the basic principles of the original TranSpread, all ergonomics and features have been revised – offering our customers even more versatility and practicality with their spreading operations. More user friendly controls have been implemented and it incorporates an exciting and more attractive design.



The EconoSpread models provide an economically viable option for the small to medium-scale farmer wanting to spread a full range of materials. This class of spreaders is able to spread from extremely low rates of various fertilizers, to medium and high rates of agricultural lime and gypsum, as well as low-to-medium rates of dry organic materials.



Door width of 500mm, Adjustable Sleuth Gate & a Robust Chain Conveyor System



Adjustable high-performance Hydraulic Spinner Motors & Side Mounted Spinner Motors



Adjustable Detector Veins



A Robust Three-speed Ground-related Gearbox or Variable Drive Gearbox



Perfect Hitch, Hitching System



High Flotation Wheels , Durable Imported Axels & Detachable Axel

Features

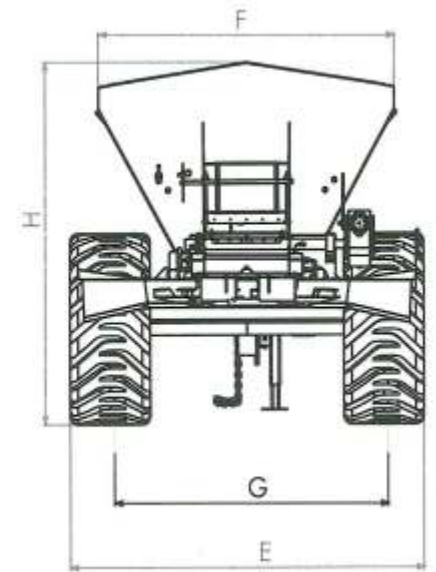
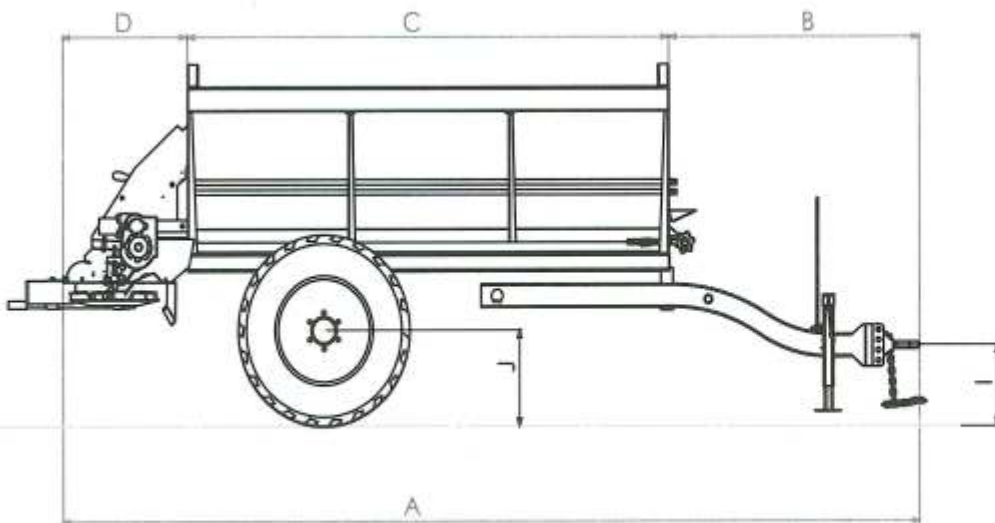
- **High-quality Painted mild steel bin and chassis construction** is a welded construction made of sheet metal and plate while the chassis is constructed of a high grade tubing to offer addition strength and flex during operation.
- **Hitch Safety Chain** is a precautionary measure taken in case the hitch, hitch bolts or tractor drawbar breaks during operation.
- **A robust parking jack** makes for easy hitching and detachment of the machine before and after operation.
- **S-design Drawbar** allows for a sharper turning circle ensuring greater and more streamlined movability.

Optional Features

- **Integrated Steel Grid** is able to remove foreign objects 65mm in diameter and bigger that, cause damage to the spreading mechanisms.
- **3CR12 bin construction** has a greater life span than that of Mild Steel and is used with mildly corrosive materials and in wetter climates where rust and corrosion is common.
- **304 stainless steel bin construction** is used mostly in coastal regions where highly corrosive materials are being applied. (304 Stainless Steel lasts up to 20 times longer than mild steel.)
- **Stand-alone hydraulic power-pack** is used to supply sufficient oil flow to the various hydraulics on the machine should the tractor's hydraulics be insufficient.
- **Rear Belt Attachment** is an ideal solution for band placement .
- **Orchard/Vineyard Spreading Kit** is used to deflect material underneath trees and vines without distributing material directly behind the machine where it is not needed.

Specifications

MODEL	RSP050-5.0G	RSP050-5.0H	RSP050-5.0GTD	RSP050-5.0HTD	RSP050-7.0G	RSP050-7.0H
LOAD CAPACITY (kg's)	5000	5000	5000	5000	7000	7000
CAPACITY (m ³)	4	4	4	4	6	6
EMPTY WEIGHT (kg's)	1450	1450	1520	1520	1600	1600
REQ. OIL FLOW (ℓ/min)	45	90	45	90	45	90
3 SPEED GROUND RELATED GEARBOX	STD	N/A	STD	N/A	STD	16:1
HYDRAULIC DRIVE GEARBOX (Ratio)	N/A	10:1	N/A	10:1	N/A	STD
AXLE (mm)	70	70	70	70	80	80
WHEELS	2 x 500/50-22.5	2 x 500/50-22.5	480/80 R 30	480/80 R 30	2 x 500/60-22.5	2 x 500/60-22.5
TRACTOR POWER REQUIREMENT (hp/kw)	75/56	75/56	75/56	75/56	95/71	95/71
A - OVERALL LENGTH (mm)	5349	5349	5349	5349	5326	5326
B - DRAWBAR LENGTH (mm)	1541	1541	1541	1541	1541	1541
C - BIN LENGTH (mm)	3006	3006	3006	3006	3006	3006
D - REAR SECTION LENGTH (mm)	779	779	779	779	779	779
E - OVERALL WIDTH (mm)	2210	2210	2189	2189	2310	2310
F - BIN WIDTH (mm)	1846	1846	1846	1846	2130	2130
G - WHEEL CENTRES (mm)	1700	1700	1700	1700	1800	1800
H - OVERALL HEIGHT (mm)	2027	2027	2256	2256	2361	2361
I - HITCH HEIGHT (mm)	453±50	453±50	482±50	482±50	522±50	522±50
J - AXLE HEIGHT (mm)	539	539	695	695	585	585



Due to a process of on-going product development, Radium Engineering reserves the right to change any details or specifications without prior notice

ProSpread





Designed with productivity and versatility in mind, this class of spreaders offer the medium to large-scale farmer, as well as contractors, the ideal choice when they want to spread low rates of fertilizer up to heavy rates of lime and gypsum, as well as moderate to heavy rates of dry organic materials.

Features

- **High-quality Painted mild steel bin and chassis construction** is a welded construction made of sheet metal and plate while the chassis is constructed of a high grade tubing to offer additional strength and flex during operation.
- **Ball-Swivel Hitch** allows for a greater degree of movement in all directions between the machine and the tractor.
- **Hitch Safety Chain** is a precautionary measure taken in case the hitch, hitch bolts or tractor drawbar breaks during operation.
- **A robust parking jack** makes for easy hitching and detachment of the machine before and after operation.
- **High Flotation Wheels** improve the tracking of the machine in the lands while reducing compaction.
- **Tandem Wheel System** is available on various models. This system is coupled to the chassis by means of leaf springs and allows for the weight to be evenly distributed over all four wheels.
- **Durable Imported Axels** are made of the highest quality and all conform to the CE and/or European standards.
- **Detachable Axles** allow the customer to have several different wheel centres by being able to bolt on and of the different axle sizes. This also improves the practicalities of logistics when road and freight regulations infringe on the design of the machine.
- **Rear Steering Axel** is available on various models and allows for even greater movability when turning on the headlands.
- **Hydraulically Braked Axels** are available on various models.
- **S-design Drawbar** allows for a sharper turning circle ensuring greater and more streamlined movability. It also protects all hydraulic pipes and electrical cables to be protected while improving aesthetics and design.
- **Inspection Window** is placed in front of the machine, which allows the operator to view the contents and volume of the material in the hopper during operation.
- **Inspection ladder** is available on various models and allows the operator to access and inspect the hopper safely and easily.
- **Integrated Steel Grid** is able to remove foreign objects 65mm in diameter and bigger, that cause damage to the spreading mechanisms.
- **ISOBUS single channel Kit are available on various models**, with a plug and play option that will integrate with any ISOBUS ready tractor. This system controls the chain conveyor speed and in turn the application rate.
- **ISOBUS dual channel kit** is available on various models. This system controls the spinner speed as well as the chain conveyor speed which in turn controls the rate and spread pattern.
- **Light & Camera Package** is available on various models, and allows the machine to be used on national roads. The package includes includes two cameras and consists of high intensity LED flood lights, strategically placed on the rear of the machine to provide light during night operations.

Optional Features

- **3CR12 bin construction** has a greater life span than that of Mild Steel and is used with mildly corrosive materials and in wetter climates where rust and corrosion is common.
- **304 stainless steel bin construction** is used mostly in coastal regions where highly corrosive materials

are being applied. (304 Stainless Steel lasts up to 20 times longer than mild steel.)

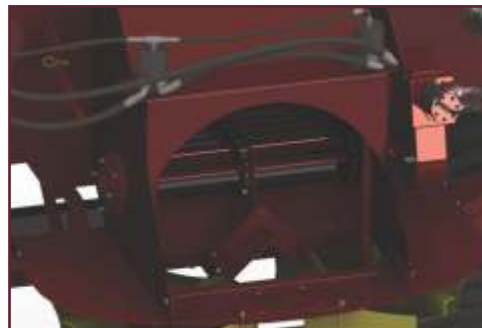
- **Stand-alone hydraulic power-pack** is used to supply sufficient oil low to the various hydraulics on the machine should the tractor's hydraulics be insufficient.
- **Rear Belt Attachment** is an ideal solution for band placement.
- **Orchard/Vineyard Spreading Kit** is used to delect material underneath trees and vines without distributing material directly behind the machine where it is not needed.



A Robust Three-speed Ground-related Gearbox / Variable Drive Gearbox

Spring Drawbar

Inspection Hatches and Cabinets

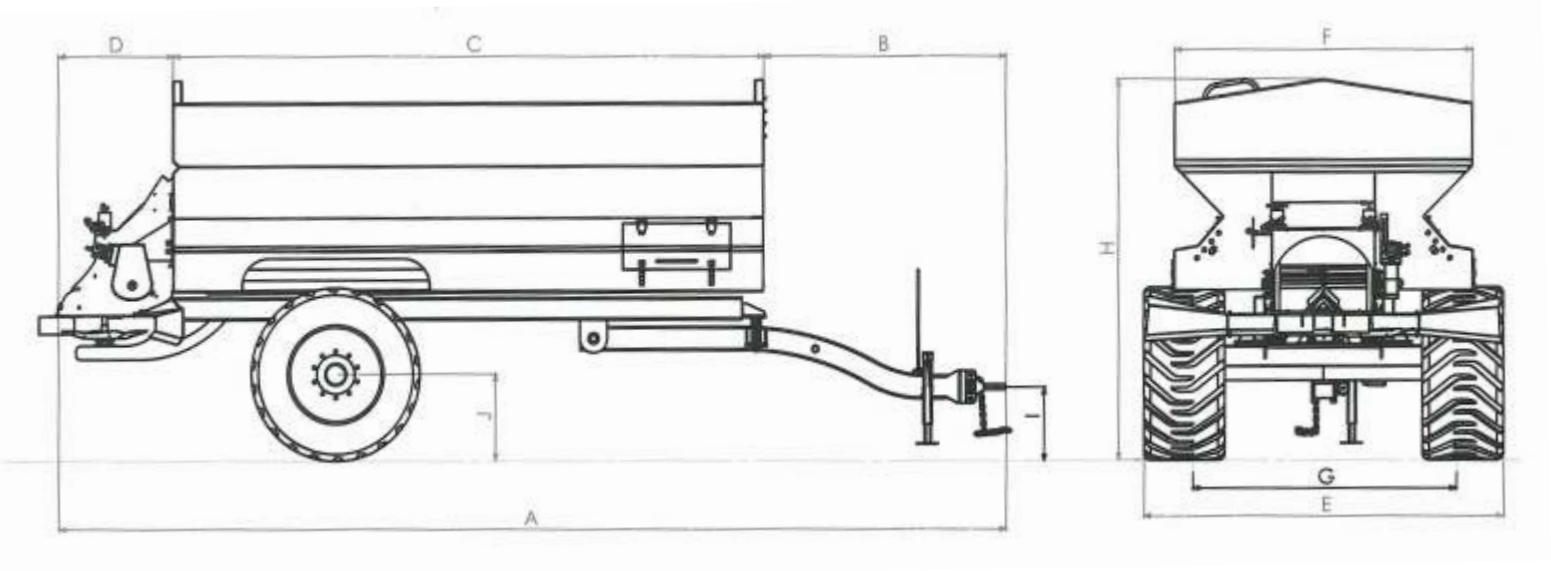


Adjustable High-performance Hydraulic Spinner Motors & Top Mounted Spinner Motors

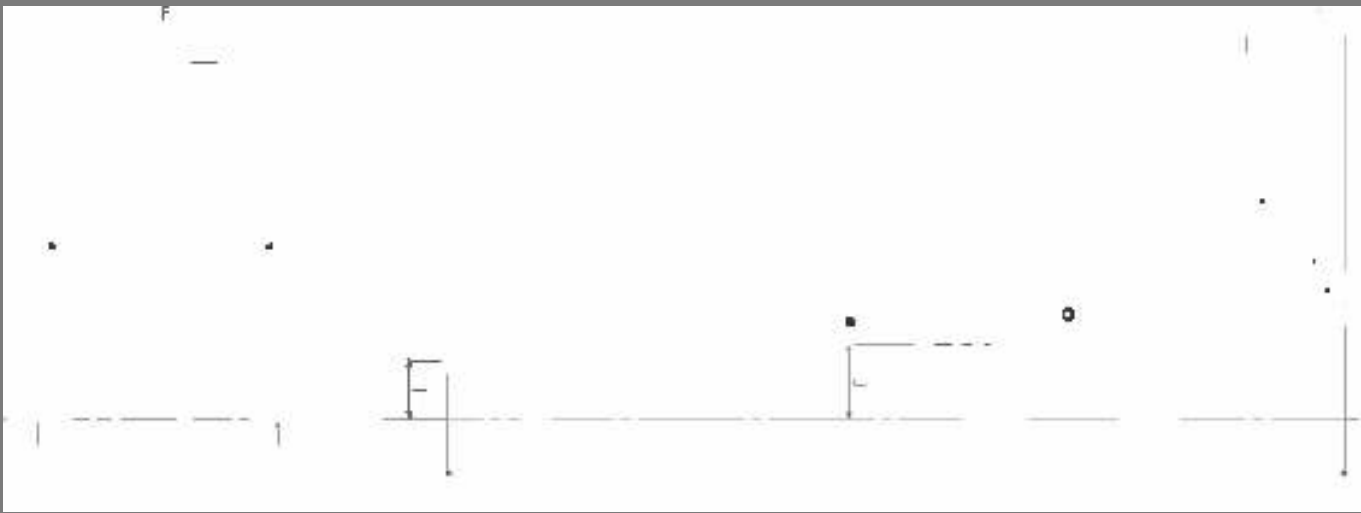
Door width of 730mm, Adjustable Sleuth Gate & a Robust Chain Conveyor System

Adjustable Deflector Veins

Single Axle Models



Tandem Axle Models



Specifications

MODEL	RSP073-8.0G	RSP073-8.0GTD	RSP073-8.0HTD	RSP073-10.0G	RSP073-10.0HS	RSP073-10.0HT	RSP073-12.0HS	RSP073-12.0HT	RSP073-15.0HT	RSP073-20.0HT
LOAD CAPACITY (kg's)	8000	8000	8000	10000	10000	10000	12000	12000	15000	20000
CAPACITY (m³)	6,5	6,5	6,5	8	8	8	10	10	12,5	15
EMPTY WEIGHT (kg's)	1800	1900	1900	2300	2600	2750	2800	3000	3450	4400
REQ. OIL FLOW (ℓ/min)	50	50	100	50	100	100	100	100	140	140
3 SPEED GROUND RELATED GEARBOX	STD	STD	N/A	STD	N/A	N/A	N/A	N/A	N/A	N/A
HYDRAULIC DRIVE GEARBOX	OPT	N/A	22:1	N/A	22:1	22:1	22:1	22:1	22:1	22:1
AXLE (mm)	80	80	80	90	90	2x70	120	2x80	2x90	2x120
WHEELS	2 x 500/60-22.5	480/80 R 34	480/80 R 34	2 x 560/60 R 22.5	2 x 560/60 R 22.5	4 x 500/50-22.5	2 x 600/55-26.5	4 x 500/60-22.5	4 x 500/60 R 22.5	4 x 600/55 R 26.5
TRACTOR POWER (hp/kw)	130/97	130/97	130/97	130/97	165/123	165/123	200/150	200/150	250/186	300/223
AXLE SUSPENSION	N/A	N/A	N/A	N/A	N/A	STD	N/A	STD	STD	STD
REAR STEERING AXLE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	STD	STD
INSPECTION LADDER	N/A	N/A	N/A	N/A	STD	STD	STD	STD	STD	STD
INSPECTION FLANGE	N/A	N/A	N/A	N/A	STD	STD	STD	STD	STD	STD
SPRUNG DRAWBAR	OPT	OPT	OPT	OPT	STD	STD	STD	STD	STD	STD
INTERGRATED GRID	OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT	STD	STD
SINGLE CHANEL ISO BUS KIT	N/A	N/A	N/A	N/A	OPT	OPT	OPT	OPT	N/A	N/A
DUAL CHANEL ISO BUS KIT	N/A	N/A	N/A	N/A	OPT	OPT	OPT	OPT	STD	STD
LIGHT & CAMERA PACKAGE	N/A	N/A	N/A	N/A	OPT	OPT	OPT	OPT	STD	STD
A - OVERALL LENGTH (mm)	5814	5814	5814	6407	6416	6393	7020	7020	7707	8594
B - DRAWBAR LENGTH (mm)	1948	1948	1948	1948	1948	1948	1948	1948	2154	2154
C - BIN LENGTH	3006	3006	3006	3606	3776	3776	4376	4376	4701	5601
D - REAR SECTION LENGTH (mm)	852	852	852	852	852	852	852	852	852	852
E - OVERALL WIDTH (mm)	2461	2434	2434	2510	2510	2310	2660	2660	2560	2771
F - BIN WIDTH (mm)	2200	2200	2200	2200	2200	2200	2200	2460	2400	2400
G - WHEEL CENTRES (mm)	1950	1950	1950	1950	1950	1950	1950	1950	2050	2150
H - OVERALL HEIGHT (mm)	2400	2544	2544	2558	2626	2590	2733	2486	2777	2900
I - HITCH HEIGHT	457±50	538±50	538±50	495±50	491±50	459±50	530±50	462±50	452±50	575±50
J - AXLE HEIGHT	585	765	765	621	622	543	623	588	585	667



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