





The Rotastar™ was the first screening bucket in the world to use polyurethane stars. It is a unique, high-output screening bucket that combines our Market-Leading Features.

### **STARS, AREA & ARC COMBINATION**

The polyurethane stars are lightweight, hard-wearing, flexible and self-cleaning. The stars have a repelling finger profile which is gentle on fragile material such as roots, vegetation and turf and creates no pinching or crushing. The lightweight stars allow a massive screening area with exceptional output. The large arc design rotates the material as it is being screened, ensuring complete separation. The bucket is screening throughout its cycle, with no time wasted in stopping and reversing the shafts.

### **STRONG TRANSMISSION & SEALED GUARD**

The hydraulic powered chain drive transmission is rugged and reliable, protected by the sealed guard primarily on one side. The straightforward guard design allows fast and easy inspection and maintenance, along with quick shaft removal.

### **HIGH STRENGTH SHAFTS**

The shafts operate in one direction only and require a standard one-way hammer circuit, eliminating the need for a drain line. Shafts are designed for specific load, from hollow lightweight shafts on the smaller models to 50 x 50mm solid section on the larger models.

### **STEEL END DISCS**

The area where the rotating star meets the fixed side panel has a unique design: steel discs fitted to the shaft ends match the profiled inner panel. This ensures even star wear across the shaft length, and closes the gap between star and side panel, to maintain a genuine fraction size.



## **EASY MAINTENANCE**

The complete design of the Rotastar™ allows for fast shaft removal. The polyurethane stars are affordable and easy to replace reducing down time. Bearings are sited away from contamination and are easy to grease.

## **QUIET RUNNING**

The polyurethane stars reduce working noise from the bucket, when compared to static and steel disc machines. A big benefit on sensitive sites.

## **TORQUE TRANSFER**

The tube is a key part of the Rotastar™ design. Combined with the formed headstock, forces are transmitted effectively from machine to the cutting edge and body of the bucket. Perfect geometry provides good handling and optimised screening angles/position.

## **HITCH & LOADER BRACKET OPTIONS**

We can supply a large range of excavator hitches to suit any machine. It is also possible to dual mount excavator and loader brackets. The quick hitch design of the loader bracket enables the user to remove the bracket quickly.

## **ADAPTABLE FRACTION SIZE**

The innovative Lloyd split collar enables the user to make it possible to reduce fraction size from the standard 20mm size to 15mm or 10mm, without removing the shafts. Top and bottom combs are normally used in combination with the collars. The combs fill the gap between the apron, top scraper and star, and the polyurethane material minimises adjacent star wear. Alternatively, spacers can be fitted between each star to create a larger fraction size. Additional shafts can be supplied with a specific set up, and quickly fitted to any bucket.





# SCREENING APPLICATIONS



- Compost
- Top Soil
- Sand
- Stone
- Fertiliser
- Gypsum
- Mixed waste
- Gully waste
- Street waste
- Fine screening
- Cable padding
- Knotweed

## Rotastar TECHNICAL SPECIFICATIONS

E = Excavator L = Loader	RS 2-4 E+L	RS 3-5 E+L	RS 4-6 E+L	RS 4-9 E+L	RS 8-14 E+L	RS 9-13 E+L	RS 10-14 E+L	RS 10-20 E + L	RS 13-20 E+L	RS 20-30 E	RS 25-30 E + L
Carrier Weight	2.2-4 tonnes	3-5 tonnes	4-6 tonnes	4-9 tonnes	8-14 tonnes	9-13 tonnes	10-14 tonnes	10-20 tonnes	13-20 tonnes	20-30 tonnes	25-30 tonnes
Output	Average 15t/hr	Average 25t/hr	Average 35t/hr	Average 45t/hr	Average 60t/hr	Average 45t/hr	Average 60t/hr	Average 75 t/hr	Average 95 t/hr	Average 110 t/hr	Average 110 t/hr
Shafts	3	3	3	4	5	3	4	5	6	8	6
Bucket Capacity	0.14m <sup>3</sup>	0.19m <sup>3</sup>	0.24m <sup>3</sup>	0.36m <sup>3</sup>	0.48m <sup>3</sup>	0.44m <sup>3</sup>	0.54m <sup>3</sup>	0.6m <sup>3</sup>	1.0m <sup>3</sup>	1.3m <sup>3</sup>	1.3m <sup>3</sup>
Hydraulic Requirements	40 l/min 70-180 bar	45 l/min 70-180 bar	50 l/min 70-180 bar	55 l/min 70-180 bar	64 l/min 70-180 bar	55 l/min 70-180 bar	64 l/min 70-180 bar	70 l/min 70-180 bar	100 l/min 70-180 bar	140 l/min 70-180 bar	140 l/min 70-180 bar
Bucket Weight	255kg	280kg	345kg	455kg	635kg	660kg	821kg	1000-1060kg	1130-1250kg	1700kg	2015kg
Working Width	640mm	825mm	1056mm	1056mm	1150mm	1520mm	1380mm	1260mm	1260mm	1260mm	1640mm
Overall Width	910mm	1070mm	1300mm	1300mm	1402mm	1825mm	1670mm	1560mm	1660mm	1660mm	1700mm

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