



***Gyrus-Star*** ***Compact Screening Systems®***



***Fast Effective Screening Systems***





# About Gyrustar

## Introduction

### Gyrustar Compact Screening Systems® Philosophy

To bring an affordable, high quality and performance with low or zero maintenance screening solution to the compact attachment market.

The fast and efficient polyurethane star screening system, screens without crushing or shredding enabling liabilities to be turned in to assets through a comprehensive product range, matched to carrier weights.

This folder provides you with an overview of our Gyrustar compact screening® excavator and loader attachment range.



## Applications

### Aeration

For accelerating drying and conditioning of soil and compost.

### Compost

separating oversize and non compostable items, as well as mixing and turning to accelerate the composting.

### Mixing and blending

Mixing pre-screen soil and compost to improve the final product.

### Soils and aggregates

separating aggregates and vegetation without crushing or shredding.

### Other applications

- |                       |              |            |
|-----------------------|--------------|------------|
| - Wood chip           | - Peat       | - Coal     |
| - Cable/ pipe padding | - Knott weed | - Top soil |
| - Fine screening      |              |            |







# Innovation



## Construction

The bucket shell is a steel structure with fully welded joints that has been tested up to 1.5x maximum permissible load. The double skin floor with two integrated driveline cavities adds even weight distribution and maximum strength.

No internal side obstructions and narrow driveline cavities combined with the integrated lower rotor protection prevents material falling through the back and also adds strength to the shell.

## Driveline

Carbon belts with pretensioned and self adjusting Rosta belt tensioners. Sealed internal bearings for a durable, clean, zero maintenance driveline.



## Hydraulics

Motors and hoses fully encased within the driveline compartment provides a fully protective and compact design.

## Standard equipment

Fitted with stone guards and adjustable stripper plates as standard.







**E** series, the smallest in the Gyrustar compact screening family, for micro and mini excavators.

3 models available to suit 1-5 ton excavators.

Models; 2-50E, 3-60E and 3-80E.



**HE**, mid-range series in the Gyrustar compact screening family, for excavators and backhoes.

4 models available to suit 4-13 ton excavators. Ability to use a unique rail system for loader application.

Models; 3-100HE, 3-120HE, 4-100HE and 4-120HE







# HDX



# MAX

**HDX** series, largest range in the Gyrus-Star compact screening family, for excavators and loaders.

3 models available to suit 7-20 ton excavators.

Ability to use a unique rail system for loader application.

Models; 4-150HDX, 3-150HDX and 6-150HDX



**MAX** series, largest capacity in the Gyrus-Star compact screening family.

2 models to suit 7-20 ton excavators.

Designed for utility contractors.

Stainless steel floor as standard.

Ability to use a unique rail system for loader application.

Models; 3-150MAX and 4-150MAX







**L** series, loader range in the Gyru-Star compact screening family.

3 models available to suit 1-5 ton compact mini loaders and tractors.

Models; 3-100L, 3-120L and 3-150L



**SL** series, skid steer range in the Gyru-Star compact screening family.

3 models available to suit 1-5 ton compact mini loaders and tractors.

Assembled ready to be used.

Models; 3-100SL, 3-120SL and 3-150SL







# Accessories & interfaces

**Oil flow control coupling**

**Hydraulic cross over kit**

**Hydraulic hoses**

**Fragment reduction kit**

**Comb kits**

**Stainless steel lining**

# ***K*ustom *K*onnect**

Specialist design and manufacture of excavator interfaces ranging from 1-20 ton with the option of welded or removeable pins and dual centers; as well as loader, telehandler and tractor interfaces or rail systems.





## Dimensions (U.S. Imperial)

E, HE, HDX, L & SL Series

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Model	Carriers		Hydraulic Requirements	Bucket		Screening Area			General Dimensions			
	Excavator lbs	Loader lbs		Flow g/lm (U.S)	Pressure psi	Bucket Weight lbs	Capacity cu yd	A	B	C	D	E
2-50E	2,200 - 4,400		6.6 - 10.5	2900	340 lbs	0.08 yd3	12"	19"	14"	28"	23"	20"
3-60E	4,400 - 8,800		9.25 - 14.5	2900	530 lbs	0.17 yd3	17"	22"	20"	32"	30"	25"
3-80E	6,600 - 11,000		9.25 - 14.5	2900	640 lbs	0.24 yd3	17"	32"	20"	40"	30"	25"
3-100HE	8,800 - 13,200	2,200 - 4,400	10.5 - 17.2	2900	800 lbs	0.30 yd3	17"	40"	20"	50"	30"	25"
3-120HE	11,000 - 15,400	2,200 - 6,600	10.5 - 17.2	2900	900 lbs	0.34 yd3	17"	47"	20"	56"	30"	25"
4-100HE	13,200 - 22,000		23.75	2900	1235 lbs	0.46 yd3	26"	40"	23"	53"	32"	35"
4-120HE	22,000 - 28,600	15,400 - 19,800	23.75	2900	1325 lbs	0.52 yd3	26"	47"	23"	61"	32"	35"
3-150HDX	15,400 - 22,000	4,400 - 11,000	18.5	2900	1325 lbs	0.46 yd3	17"	59"	20"	74"	30"	25"
4-150HDX	28,600 - 44,000	19,800 - 26,400	23.75	2900	1900 lbs	0.79 yd3	26"	59"	26"	74"	36"	35"
6-150HDX	39,600 - 55,000	26,400 - 39,600	40	2900	3000 lbs	1.85 yd3	41"	59"	36"	74"	53"	51"

### L Series

Model	Carriers	Hydraulic Requirements	Bucket		Screening Area		General Dimensions			
			Weight lbs	Capacity cu yd	A	B	C	D	E	F
3-100L / SL	2,200 - 4,400	17.2	800 lbs	0.30 yd3	17"	40"	14"	48"	23"	20"
3-120L / SL	2,200 - 6,600	17.2	860 lbs	0.39 yd3	17"	48"	20"	55"	30"	25"
3-150L / SL	4,400 - 11,000	18.5	1326 lbs	0.46 yd3	17"	59"	20"	74"	30"	25"



**Compact Screening Systems®**

