

# PRODUCT INDEX

Wholegoods Catalog  
Revision 18.11

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### Note:

All specifications and descriptions in this catalog are subject to change without notice. For detailed pricing information, please call Solex or, for dealers, check our supplemental pricing guide.

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# HERD SEEDERS

## GT-77 Electric Broadcaster

The GT-77 is designed for use with ATVs and Garden Tractors. It features a galvanized steel hopper, and 12V motor with feed control. A fused wiring harness with quick coupler makes attachment and removal of easy. The GT-77 is equipped with a stainless steel vibrating agitator to coax slow feeding material and a toothed opening plate to control fast feeding materials. Opening gauge easily adjusts material output.



**Model  
GT-77-ATV**

<b>Hopper capacity</b>	77 lbs. (1.4 cu ft)
<b>Dimensions</b>	15.5" (w) x 21"(l) x 25" (h)
<b>Dosage per acre</b>	.5 lbs/500 sq ft to 500 lbs/acre
<b>Feed Opening</b>	Adjustable: thousandths of inch
<b>Opening Control</b>	Low -- in line with seat
<b>Spread plate</b>	Yes — Stainless steel
<b>Hopper agitation</b>	vibrating
<b>Fan</b>	4-bladed lapover aluminium
<b>Hopper build</b>	24 ga. galvanized round
<b>Lid</b>	Lid & Spring Included
<b>Bearings</b>	oillite bronze
<b>Mounting</b>	Garden tractor, ATV, and Cat. 0
<b>Powered by</b>	12V Electric Motor

Part No.	Description	Wt
<b>GT-77-ATV</b>	12V electric spin spreader w/o mounting bracket for dry materials, ant and snail baits	48 lbs
<b>T</b>	ATV Mounting Bracket	22 lbs
<b>JPH-1</b>	2" Receiver Mounting Bracket	22 lbs
<b>672</b>	Blocking kit for ant baits	2 lbs
<b>811</b>	12V/24v rheostat with bracket for ATVs that rpm control is necessary. Spread width: 5 to 28 feet	1.5 lbs

## I-92 & M-12 Broadcasters



Model	I-92	M-12
<b>Powered by</b>	12V motor	PTO
<b>Mount</b>	2" receiver, front/side mount	Cat I Three-pt hitch
<b>Hopper size</b>	3.5 ft <sup>3</sup> ; 184 lbs	3.75 ft <sup>3</sup> ; 192 lbs
<b>Dosage per acre</b>	2 - 500 lbs.	2 - 500 lbs
<b>Opening control</b>	Lower pulley	Lever
<b>Hopper agitation</b>	Rotating agitator	
<b>Fan</b>	4 bladed lap-over aluminum	
<b>Hopper build</b>	24 ga. Galvanized steel	
<b>Lid</b>	Lid & Spring	no

Model	Description	Wt.
<b>I-92</b>	I-92 12V Broadcaster	73 lbs
<b>M-12</b>	M-12 PTO Broadcaster	79 lbs
Optional Accessories & Kits		
<b>982</b>	Hopper extension kit: 128 lb. Cap.	12 lbs
<b>808A</b>	Width control kit for I-92	4 lbs
<b>822</b>	Front chute kit, complete for I-92	8 lbs
<b>811</b>	Rheostat w/ bracket for I-92; 12/24V	2 lbs
<b>660</b>	2" receiver hitch mount for I-92	13 lbs
<b>544</b>	3 pt hitch kit for I-92	25 lbs

# HERD SEEDERS

## 550 & 750 Broadcasters

- 3-point Mounted, with shielded telescoping PTO shaft.
- Round Hopper Base prevents lodging of material
- Easy-Adjust Pattern Control for even spreading up to 40 feet wide
- Options include lime agitator, hydraulic or electric controls, hydraulic drive system, skid steer mounting plates, or banding kits for vineyard or nursery spreading



Model	550	750
Hopper size (lbs)	550 lbs	715 lbs
Hopper size (cu ft)	9 cu ft	12 cu ft
Dosage per acre	3 - 1,000 lbs.	
Coverage	Up to 40 acres/hour	
Opening Control	Handle (Remote hydraulic opt.)	
Spread plate	Stainless steel	
Hopper agitation	Removable rotating agitator	
Fan	Aluminum base w/ steel blades	
Hopper base plate	One piece aluminum	
Hopper build	14 ga. steel w/ welded seams	
Bearings	Tapered bearings in gearbox	
Gearbox	oil-bathed step-up; 540/1000 rpm	
Powered by	Quick-Tach shielded PTO shaft	

Model	Description	Wt.
550	Model 550 PTO Broadcaster	222 lbs
750	Model 750 PTO Broadcaster	225 lbs
835	Lid for model 750	24 lbs
1099	Lid adapter kit for small seed hopper	2 lbs
1000	Hyd. control kit (less cyl. & hoses)	31 lbs
158	Lime Agitator	4 lbs
1090	Small seed hopper w/ handle	29 lbs
1028	Small seed hopper controls	13 lbs
217	Cat II pin Kit	10 lbs
248	Hyd motor & valve	22 lbs
629	Skid steer plate	70 lbs

## 1200 & 2440 Broadcasters



- 3-point Cat II mounted, with shielded telescoping PTO
- Round Hopper Base prevents lodging of material
- Quick Hitch compatible
- Easy-Adjust Pattern Control for spreading to 40' wide
- Options include lime agitator, hydraulic or electric controls, hydraulic drive system, skid steer mounting plates, or banding kits for vineyard or nursery spreading

Model	1200	2440
Hopper size (lbs)	1200 lbs; 20 ft <sup>3</sup>	2440 lbs.; 40 ft <sup>3</sup>
Dosage per acre	3 - 1,000 lbs.	
Coverage	Up to 40 acres/hour	
Opening Control	Remote hydraulic control	
Spread plate	Yes — Stainless steel	
Hopper agitation	Removable rotating agitator	
Fan	Aluminum base w/ steel blades	
Hopper base plate	One piece aluminum	
Hopper build	14 ga. steel w/ welded seams	
Bearings	Tapered bearings in gearbox	
Mounting	3-Pt Cat. II; also for Quick-Hitch	
Gearbox	oil-bathed step-up; 540/1000 rpm	

Model	Description	Wt.
1200C	Model 1200 Broadcaster	315 lbs
2440	Model 2440 Broadcaster	525 lbs
1087	Lid for model 1200C & 1200B	34 lbs
1136	Lid for model 2440	51 lbs
1099	Lid adapter kit for small seed hopper	2 lbs
1000	Hyd. control kit (less cyl. & hoses)	31 lbs
158	Lime Agitator	4 lbs
1090	Small seed hopper w/ handle	29 lbs
841	Nose cone for 1200C small hopper	5 lbs
1037	Nose cone for 2440 small hopper	10 lbs
1028	Small seed hopper control - 1200	13 lbs
1039	Small seed hopper control - 2440	18 lbs

# PRONOVOST DUMP TRAILERS

## Off Road Dump Trailers

TRAILER



### P-503

50 1/2" x 69 1/2" (1,283 mm x 1,765 mm) – GVWR 3,000 lbs (1,362 kg)

- Removable panels
- Two-way opening back panel
- Tandem axle
- 4 tires (18.5 x 8.5 x 8) 4 ply
- 1 double-acting cylinder
- Swivel hitch
- Optional manual or electric hydraulic pump



### P-505T & P-505M

60" x 94" (1,524 mm x 2,388 mm) – GVWR 5,000 lbs (2,270 kg)

- Removable panels
- Tandem axle
- 4 Turf-Saver 4 ply tires (23 x 10.5 x 12) or 4 Multi Trac 6 ply tires (23 x 10.5 x 12)
- 1 double-acting cylinder
- Swivel hitch
- Optional electric hydraulic pump

Complete Specs For All Off-Highway Models Are Listed At End Of Section

## Off Road Dump Trailers: 4 Ton



### P-508/3S – DUMPS ON 3 SIDES

62" x 99" (1,575 mm x 2,515 mm) – GVWR 8,000 lbs (3,632 kg)

- Removable panels
- Hinged-side panels
- Single axle
- 2 tires (11L15) 8 ply (Tires 11L15FI (D) available)
- 1 single-acting cylinder
- Optional central unloading hatch
- Swivel hitch
- Optional electric hydraulic pump

## Off Road Dump Trailers: 5 Ton



### P-510/3S – DUMPS ON 3 SIDES

62" x 99" (1,575 mm x 2,515 mm) – GVWR 10,000 lbs (4,540 kg)

- Removable panels
- Hinged-side panels
- Tandem axle
- 4 tires (11L15) 8 ply
- 1 single-acting cylinder
- Optional central unloading hatch
- Swivel hitch
- Optional electric hydraulic pump

Complete Specs For All Off-Highway Models Are Listed At End Of Section

# PRONOVOST DUMP TRAILERS

## Off Road Service Dump Trailers: 8 Tons

TRAILER



### P-516

55 3/4" x 117 1/2" (1,413 mm x 2,985 mm) – GVWR 16,000 lbs (7,264 kg)

- Removable panels
- Tandem axle
- 4 tires (11L15) 8 ply (tires 11L15FI (D) and 12.5L15 available)
- 2 double-acting cylinders
- Optional central unloading hatch
- Swivel hitch
- Optional electric hydraulic pump



### P-516/3S – DUMPS ON 3 SIDES

90" x 120" (2,286 mm x 3,048 mm) – GVWR 16,000 lbs (7,264 kg)

- Removable panels
- Hinged-side panels
- Tandem axle
- 4 tires (11L15) 8 ply (tires 11L15FI (D) and 12.5L15 available)
- 1 single-acting cylinder
- Optional central unloading hatch
- Swivel hitch
- Optional electric hydraulic pump

Complete Specs For All Off-Highway Models Are Listed At End Of Section

## Off Road Dump Trailers: 12 Tons



### P-524

84" x 138" (2,134 mm x 3,505 mm) – GVWR 24,000 lbs (10,896 kg)

- Removable panels
- Tandem axle
- 4 tires (12.5 L15) 10 ply
- 1 single-acting cylinder
- Central unloading hatch in standard equipment
- Swivel hitch
- Optional electric hydraulic pump

## Accessories for Off-Road Models

### ACCESSORIES



**PHM-3003**  
Manual hydraulic pump



**P-503-PHEP**  
Electric hydraulic pump (12V)



**PGD**  
Central unloading hatch available on select models



**P-510-PHEP, P-511-PHEP and P-516-PHEP**  
Electric hydraulic pump (12V)

Complete Specs For All Off-Highway Models Are Listed At End Of Section

# PRONOVOST DUMP TRAILERS

## Pronovost Off Road Service Trailers (Cont'd)

TRAILER

### FEATURES

- Many models dump on 3 sides by positioning the pivots as required
- Removable panels\*
- Monocoque girder under the platform
- Reinforced panels\*
- Swivel hitch or ball hitch
- Wide range of models
- Precision engineering
- Rear panel automatic opening mechanism\*
- Superior workmanship
- Built for intensive use
- Unique design for each model
- Automatic relief valve stopping cylinder action at maximum tilt on P-508, P-510 and P-50710/4E

### SPECIFICATIONS – OFF-ROAD SERVICE

MODELS	PUMA-347AG	PUMA-347AGT	P-503	P-505	P-508/3S	P-509-60	P-510/3S	P-511-60	P-516	P-516/3S	P-524
GROSS VEHICLE WEIGHT RATING	1.5 tons	1.5 tons	1.5 tons	2.5 tons	4 tons <sup>1</sup>	4 tons <sup>1</sup>	5 tons	5 tons	8 tons <sup>1</sup>	8 tons <sup>1</sup>	12 tons <sup>2</sup>
BOX (interior dimensions)	51" × 86"	51" × 86"	50 1/2" × 69 1/2"	60" × 94"	62" × 99"	71" × 105"	62" × 99"	71" × 105"	55 3/8" × 117 1/2"	90" × 120"	84" × 138"
BED THICKNESS	12G	12G	12G	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"	3/16"
SIDE PANEL	12" × 14G	12" × 14G	12" × 12G	14" × 12G	14" × 12G	14" × 12G	14" × 12G	14" × 12G	16" × 12G	16" × 12G	24" × 12G
FRONT / BACK PANEL	12" × 14G	12" × 14G	12 1/4" × 12G	19" × 12G	19" × 12G	19" × 12G	19" × 12G	19" × 12G	24" × 12G	24" × 12G	32" × 12G
REMOVABLE PANEL	1	1	4	4	4	4	4	4	4	4	4
REAR PANEL OPENING	From top or bottom	From top or bottom	From top or bottom	Aut.	Aut.	Aut.	Aut.	Aut.	Aut.	Aut.	Aut.
PLATFORM HEIGHT	24"	24"	22"	29 1/2"	35 1/2"	35 1/2"	35 1/2"	35 1/2"	32"	36 1/2"	39"
OVERALL LENGTH	128"	128"	106"	139"	143"	147"	143"	147"	166"	177"	200 1/2"
OVERALL WIDTH	56"	56"	54"	64"	68"	77"	68"	77"	86"	97"	91"
OVERALL HEIGHT	36"	36"	36"	52 1/2"	60"	60"	60"	60"	62"	65"	72"
FREE HEIGHT / MAX. LIFT	12"	12"	10"	15"	20"	14"	20"	14"	15"	20"	20"
THREAD WIDTH C / C	41"	39 3/4"	36 1/4"	53 1/4"	51"	60"	51"	60"	75 1/2"	75"	72 1/2"
DUMPING ANGLE (back)	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°
DUMPING ANGLE (2 sides)	-	-	-	-	47°	-	47°	-	-	47°	-
GRAIN DOOR	-	-	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Standard
AXLE	Single	Tandem	Tandem	Tandem	Single	Single	Tandem	Tandem	Tandem	Tandem	Tandem
SUSPENSION	Fixe	Agricole	-	-	-	-	-	-	-	-	-
HUBS	5 bolts	4 bolts	4 bolts	5 bolts	6 bolts	6 bolts	6 bolts	6 bolts	6 bolts	6 bolts	8 bolts
HUB CAPACITY	2,500 lbs	1,000 lbs	1,000 lbs	2,500 lbs	5,000 lbs	5,000 lbs	4,000 lbs	4,000 lbs	5,000 lbs	5,000 lbs	5,500 lbs
SPINDLES	2"	1 1/4"	1 1/4"	2"	2 1/4"	2 1/4"	2"	2"	2 1/4"	2 1/4"	2 1/4"
WHEELS	2 on tapered roller bearing	2 on tapered roller bearing	4	4	2	2	4	4	4	4	4
WHEEL DIMENSIONS	12" × 8.5"	8.5" × 8"	8.5" × 8"	12" × 8.5"	15" × 8"	15" × 8"	15" × 8"	15" × 8"	15" × 8"	15" × 8"	15" × 10"
TIRES (standard)	23 × 10.5 × 12 (6 ply) Turf	18 × 8.5 × 8 (4 ply)	12 × 14 × 8"	23 × 10.5 × 12 <sup>3</sup>	11L15 (8 ply)	11L15 (8 ply)	11L15 (8 ply)	11L15 (8 ply)	11L15 (8 ply)	11L15 (8 ply)	12.5L15 (10 ply)
• TIRES (optional)	-	-	-	-	11L15FI (D)	11L15FI (D)	-	-	11L15FI (D)	11L15FI (D)	12.5L15FI (F)
• TIRES (optional)	-	-	-	-	-	-	-	-	12.5L15 (10 ply)	12.5L15 (10 ply)	-
HITCH: CLEVIS / SWIVEL	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
HITCH: BALL COUPLER	-	-	-	-	-	-	-	-	-	-	-
JACK	-	-	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
CYLINDER(S)	1 double acting	1 double acting	1 double acting	1 double acting	1 single acting	1 double acting	1 single acting	1 double acting	2 double acting	1 single acting	1 single acting
APPROXIMATE TOTAL WEIGHT	645 lbs	750 lbs	625 lbs	1,560 lbs	1,840 lbs	1,725 lbs	2,100 lbs	2,000 lbs	2,245 lbs	3,040 lbs	4,195 lbs

<sup>1</sup> Capacity with 11L15FI (D) tires at a speed of 25 MPH.

<sup>2</sup> Capacity with 12.5L15FI (F) tires at a speed of 25 MPH.

<sup>3</sup> For Turf Saver (4 ply) tires, order model P-505T and for Multi Trac (6 ply) tires, order model P-505M.

\*Available on select models only.

# TEYME DUSTERS

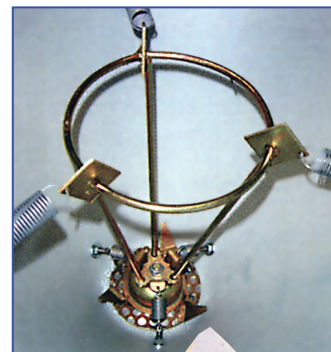
## DTE Three-Point Dusters

### Model:DTE-1002

- Compact three-point mount steel chassis and fan housing
- Smooth-running oil-bathed gearbox with 1:6 gear ratio
- High volume 11" centrifugal fan
- Rate control system with simple lever control.
- Safety Grill confirms to workplace safety regulations
- Outlets – Each with individual shut-off valve
- Poly hopper with vibrating agitator for smooth delivery
- Large opening with double-vented lid for easy fill up.



### Vibrating Agitator



DUSTER

Hopper	HP	Fan	Air Vol	Dosage	Gearbox	Height	Width	Depth	Wt (lbs)
Conical Poly, 200 lb capacity	10	11" Centrifugal	1312 CFM	lever adjust 0-20 lbs/min	oil-bathed 1:6 ratio	42"	53"	25"	125

## DTS Three-Point Dusters

### Model:DTS-250/470

- Steel three-point mount chassis.
- Conical gravity-feed polyethylene hopper with 500 lbs capacity. Hopper has a large opening with double-vented screw-on lid that makes fill ups easy.
- A vibrating agitator prevents material from bridging in hopper, ensuring that dust will flow smoothly.
- Dual 15" centrifugal fans deliver 8475 cubic feet per minute of air.
- Lever rate adjustment control that provides 8 different levels of application and allows each side to be independently regulated for dosages from 0 to 0.5 cubic feet per minute.
- Oil-bathed gearbox that has with a 1:7 gear ratio.



### Optional 10 outlet row crop boom kit



Hopper	Fan	Gearbox	Agitator	Dosage	HP	Adjustment	Wt (lbs)
Conical poly hopper 500 lbs capacity.	Dual 18" Centrifugal	Oil-bathed 1:7 ratio	Vibration	0-180 lbs/acre	16	8 settings. Independently Adjustable	350

# SOLEX GOPHER KILLER

## GK3 Poison Bait Applicator

### Features:

- Adjustable 18" coultter blade mounted on sealed ball bearing hub.
- Adjustable poison seed metering device.
- Large hopper capacity: .65 cu. ft. (Approximately 30 lb. Milo)
- Standard Category I Three Point hitch
- Parking stand is included.
- Filling height is 46-1/2"
- Shear bolt protected shank.
- Dual rear press wheels, 4.80/4.00 x 8 2 ply nylon tire and sealed bearing hubs
- Protective chain guard adheres to safety standards.



Model	Description	Weight
GK3	Sorex gopher killer complete with parking stand	255 lbs

### Application Method

Poison grain, adjustable in measured amounts, is deposited at regularly spaced intervals 6" to 8" below ground surface. Best application is when ground is moist. Dry, hard ground or extremely wet soil should be avoided. Adjust the top link so that the plow point is slightly downward.

It is most effective to make your application at right angles to the gopher run and with passes 20 to 25 feet apart.

**CAUTION** should be exercised in handling and storage of poison grain. Any poison grain left exposed on soil surfaces could be consumed by birds or animals. When storing machine, empty hopper and clean machine thoroughly. Poison grain is dangerous to humans and animals. Go slow, not over 5 miles per hour and do a good job.



# KASCO SEEDERS

## Eco-Drill No-Till Seed Drills



Designed with versatility in mind, the Eco Drill No-Till Drill offers more alternatives than any other single seeder on the market today. Utilizing a unique seed metering system, the Eco Drill is capable of handling a wide variety of seed types including orchard grass, turnip, corn, sorghum and many more.

### Features:

- 16" straight coulters slice the ground
- 13" concave openers form a seed-bed trench
- Cast press wheels firm the seedbed to ensure germination
- 3-speed transmission & precise adjustment of the seed metering slots allow a wide range of seed rates
- Excellent for planting pastures, food plots, waterways and mine reclamation.

Part No.	Description	Hitch	Coulters	Row Spacing	No. of Rows	Wt (lbs)
KED-72	No Till Eco-Drill, 6' width	3-point Cat I/II	Notched	8"	9	1385
KED-96	No Till Eco-Drill, 8' width	3-pt Cat I/II	Notched	8"	12	1855

## Versa-Drill No-Till Seed Drills

With a smaller frame, the Versa-Drill is the perfect fit for compact tractors and ATVs. This no-till drill features Kasco's patented "Walking Beam Axle," allowing the drill to consistently follow the contour of even the most uneven terrain. As with the Eco-Drill, the Versa-Drill offers a row of slicing blades followed by a row of opening coulters. Our seed placement device guarantees exact seed placement within the 9" rows. Like all Kasco drills and overseeders, the Versa-Drill is ground driven from the heavy cast iron cultipacker wheels in the rear.

The Versa-Drill is available in either a three-point machine of 4-foot or 6-foot width, or in an ATV pull-type machine of 4-foot wide. Optional legume or warm season grass boxes are available for most machines.



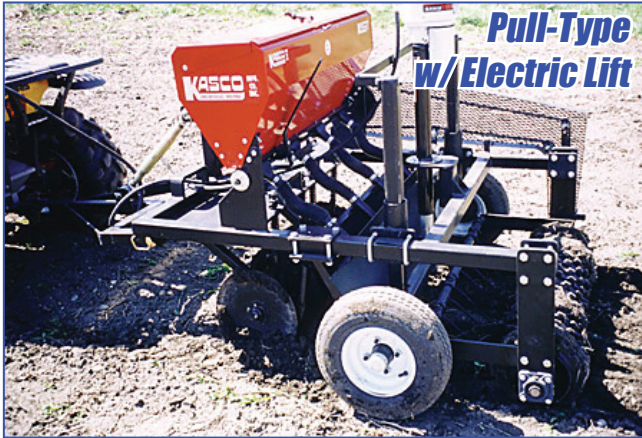
Part no	Width	Mount	Row Spacing	# of Rows	Wt (lbs)
KVGT-489	4'	3-pt Cat I	9"	5	700
KVGT-728	6'	3-pt Cat I	8"	9	1225
KVGA-489	4'	Pull-Type Electric Lift	9"	5	800



GRASS

# KASCO SEEDERS

## Planter's Choice Food Plot Planter



GRASS

The Plotters Choice is the only machine on the market offering two styles of seeding with one planter: Row-crop drilling for corn or soybeans, and Solid-Stand planting for grasses or anything that requires tighter germination. All of the ground-engaging components are rolling: no shanks to drag trash. It cut through most no-till applications, including corn stalks, bean stubble, or unworked terrain. No need for multiple trips to prep the ground; let the Plotters Choice carry the heavy work for you.

An optional warm season grass seed box is available, using our patented Positive Feed metering system. Available as an ATV pull-type planter, or with 3-point hitch mount.

Model	Width	Mount	Row Config.	Width	Wt. (lbs)
KPCA-48	4'	Pull-Type with 12V Elect. lift	4 rows 10" centers	4'	704
KPCT-48	4'	3-point	4 rows 10" centers	4'	660
KPCT-72	6'	3-point	8 rows 8" centers	6'	1040

## Vari Slice Overseeder



Using straight, notched coulter blades on either 3-inch or 4-inch spacing, the Vari-Slice is ideal for yard seeding, waterways, pastures or food plots. Disc blades can be angled to work the ground, or left straight for overseeding. Metering system allows you to plant a wide variety of grass seed sizes. Ground drive provides precise seeding rate. Heavy duty cultipacker wheels follow the drop seed baffle to firm the seedbed and ensure optimal seed-to-soil contact.

Part No	Description	Hitch	Spacing	Wt
KOS-603	5' Overseeder	3-pt	3"	1140
KOS-604	5' Overseeder	3-pt	4"	1080
KOS-723	6' Overseeder	3-pt	3"	1530
KOS-724	6' Overseeder	3-pt	4"	1480

- Overseed or broadcast a wide variety of seeds
- 3-inch or 4-inch Blade Spacing
- Precision seed placement and seed-to-soil contact.
- Vary width of seed groove by adjusting the disc angle.

# KASCO SEEDERS

## Landscape Seed Drills



GRASS

### Landscaper's Choice

Kasco's innovative design for the Landscapers Choice provides consistent grass seeding in a prepared seedbed. Utilizing our patented "Walking Beam" axle design, the Landscapers Choice uses two rows of heavy cast iron press wheels. The front row smooths the dirt, preparing it for seed; the back row gives a finished, manicured final grade. Our seed chute uses a baffle system to evenly distribute seed across the entire width of the machine.

The Landscapers Choice is available in either 5-foot or 6-foot widths; they are adaptable to either Cat. 1 or 2 three-point hitch tractors.

### Seed-N-Pack

For an economical yet solid primary seeder, the Seed-N-Pack is the right choice. Our ground-driven metering system is consistent – the seed flow stops when the implement stops. There is no waste of expensive seed. Using the same proven metering system as our heavy duty ag drills, The Seed-N-Pack easily adapts to a wide variety of seed sizes and types.

The Seed-n-Pack is available in either a 4-foot or 6-foot wide 3-point machine.

Model	Description	Wt (lbs)
<b>Landscaper's Choice</b>		
KLS-60	5' Seeder with double row of cultipackers	975
KLS-72	6' Seeder with double row of cultipackers	1150
<b>Seed-N-Pack</b>		
KPS-72	Seeder with single row of cultipackers	740

# MICRON HERBI HANDHELD SPRAYER

## Herbi and Herbiflex Sprayers

HANDHELD



### Herbi 4 Sprayer

The Herbi 4 is a hand held spinning disc sprayer for the Controlled Droplet Application (CDA) of herbicides. It can use CDA formulations or traditional water-based products at total spray volumes of only 10-30 litres/hectare. The consistently large spray droplets of around 250 micron minimise any risk of spray drift and fall in a precise 1.2m wide circular spray pattern.

As well as the standard version, the Herbi 4 Xtra model incorporating a handle with on/off liquid flow valve is available. The Herbi 4 Xtra can be attached to 1 or 2.5 litre spray bottles and is ideally suited for smaller spraying jobs.

### Herbiflex 4 with Interchangeable Heads

Herbiflex 4 is a versatile and highly economical spinning disc sprayer for the Controlled Droplet Application (CDA) of herbicides. It can apply specific CDA formulations or traditional water-based products at total spray volumes of only 10-30 litres/hectare. The consistently large spray droplets of around 200 microns minimise the risk of spray drift and fall in a precise, adjustable spray pattern.

Herbiflex 4 is available in a choice of spray heads. The A90 head produces an adjustable 10-50cm band width whereas the B120 head is capable is spraying between 15 and 75cm. An optional spray shield is available with the A90 model for spraying sensitive crops.

#### Features:

- Weighs just 3.3 lbs.
- Battery-powered.
- One pint of herbicide to make a path over one mile long!
- One gallon of total solution covers over one acre.
- Compare that to 20 to 50 gallons you'd waste with conventional sprayers.

	Herbi & Herbiflex	Hydraulic Backpacks
<b>Capacity</b>	5 Pint Tank (Mixed at 20% concentrate*)	4 gallon Tank (Mixed at 1% concentrate*)
<b>Roundup Per Tank</b>	16 oz	5.12 oz
<b>Cost</b>	\$8.32 per tank (16 oz x 52¢)	\$2.66 per tank (5.12 oz x 52¢)
<b>Coverage</b>	1.33 tanks/sprayed acre 5 pint tank; 33,000 sq ft	16.33 tanks/sprayed acre 4 gallon tank; 2,666 sq ft
<b>Cost</b>	\$8.32 for 33,000 sq. ft. \$10.97 to cover 1 acre	\$2.66 for 2,666 sq. ft. \$43.50 to cover 1 acre
<b>Average Roundup Use</b>	25¢ per 1,000 sq ft.	\$1.00 per 1,000 sq. ft

\*Based on a Cost of \$66.50 per gallon of roundup. See Roundup label. Fan nozzle flow of .33 GPM 2' spray swath walking at 1.25 mph. Herbi and Herbiflex are registered trademarks of Micron Corporation. Roundup is a trademark of Monsanto Company. All other trademarks and registered trademarks are property of their respective owners.

# PENGO AUGERS

## PTO Aggressor Auger

**CONNECTIONS**  
ROUND **2"**

**AUGER DIAMETERS**  
6" 9" 12" 15" 18" 24"

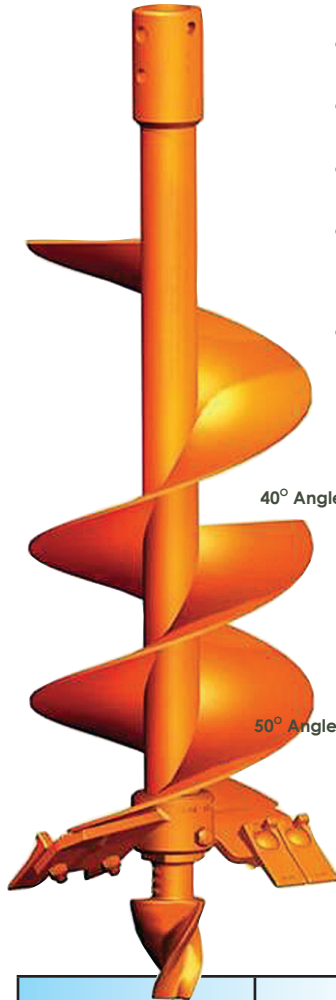
**CUT DIAMETER**  
Cut diameter is 1 1/2" larger than auger diameter.



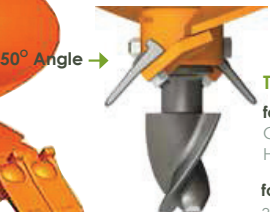
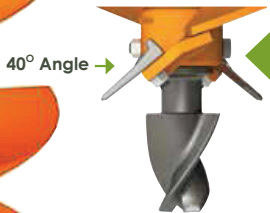
**DRILLING SOIL CONDITIONS:**

**HIGHLY RECOMMENDED** (1) dirt  
**RECOMMENDED** (2) sand (3) silt (4) clay  
**NOT RECOMMENDED** (5) gravel (6) fractureable rock (7) non-fractureable rock

Pengo's PTO Aggressor® is designed for professionals and offers superior performance and reliability under high-duty applications. Featuring the Tri-Flow® 350 pilot (an original Pengo® design) the PTO Aggressor® provides longer wear and exceptional performance in a wide variety of soil conditions.



- **Cast Alloy Steel 2" Round Hub**
- **3/16" Thick, Semi-Double Flight**
- **1 piece Cast Head**
- **400/500 Dual Angle Teeth with 3-Point Lock & Bolt Fasteners**
- **TriFlow® 350 Pilot Bit with three drill points for longer wear**



AGGRESSOR® auger teeth are for use in dirt, abrasive soil or fractureable rock, depending on the type of tooth you are using. All types of the 40/50 tooth can be used at either a 40° or 50° angle providing different attack angles based on your drilling condition.

**THE NUTS & BOLTS:**

for 40/50 Teeth  
Carriage Bolt PN 134677  
Hex Nut Lock PN 134527

for TriFlow 350 Pilot Bits  
3.5" Hex Bolt (6"-9" dia.) PN 174447  
4" Hex Bolt (12" plus dia.) PN 174448  
Hex Nut Lock PN 134527



Item No.	Dia	Teeth	30" OAL Part No.	Wt (lbs)	42" OAL Part No.	Wt (lbs)	48" OAL Part No.
9-AR-PTO	9"	4	137141	39	137152	42	137181
12-AR-PTO	12"	4	137142	47	137153	54	137182
15-AR-PTO	15"	5	137143	53	137154	58	137183
18-AR-PTO	18"	6	137144	59	137155	63	137184
24-AR-PTO	24"	8	137145	65	137156	67	137185

**PARTS | TriFlow® Pilot Bits**

**TF-350**  
LBS | 5  
PN | 135088

**TF-350HF Pilot**  
LBS | 5.5  
PN | 135089

**TF-350C Pilot**  
LBS | 5.5  
PN | 135090

**TF-350CXC Pilot**  
LBS | 5.8  
PN | 135091

**TF-350HFTC Pilot**  
LBS | 5.5  
PN | 135092



**PARTS | Teeth**

**40/50 Tooth**  
LBS | .5  
PN | 134501

**40/50HF Tooth**  
LBS | .5  
PN | 134802

**40/50C Tooth**  
LBS | .65  
PN | 134519



POSTHOLE

# PENGO AUGERS

## Aggressor General Purpose Auger

**CONNECTIONS**

ROUND **2"** **2 3/16"**

HEX **2"**

**AUGER DIAMETERS**

6" 9" 12" 15" 18" 24" 30" 36"

**CUT DIAMETER**  
Cut diameter is 1 1/2" larger than auger diameter.

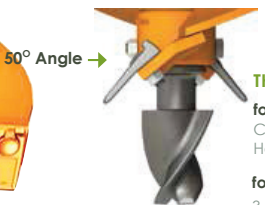
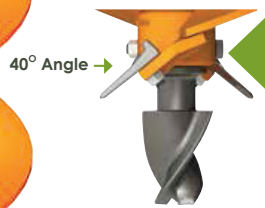
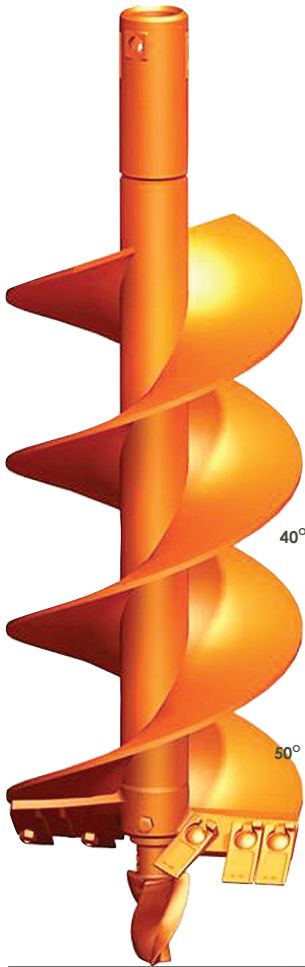


Aggressor® is a professional grade tool designed for constant daily use. The Tri-Flow pilot provides unmatched auger stability and up to 50% longer wear over conventional bits. Double flight provides maximum spoil removal. The 5/16" flight thickness provides long term durability.

### DRILLING SOIL CONDITIONS:



- Cast alloy steel hub
- Double flight: 5/16" thickness
- 1 Piece cast head
- 40°/50° dual angle teeth with 3-point lock & bolt fasteners
- Triflow® 350 pilot bit with three drill points for longer wear



AGGRESSOR® auger teeth are for use in dirt, abrasive soil or fracturable rock, depending on the type of tooth you are using. All types of the 40/50 tooth can be used at either a 40° or 50° angle providing different attack angles based on your drilling condition.

### THE NUTS & BOLTS:

for 40/50 Teeth  
Carriage Bolt PN 134677  
Hex Nut Lock PN 134527

for TriFlow 350 Pilot Bits  
3.5" Hex Bolt (6"-9" dia.) PN 174447  
4" Hex Bolt (12" plus dia.) PN 174448  
Hex Nut Lock PN 134527



### PARTS | TriFlow® Pilot Bits

**TF-350**

LBS | 5

PN | 135088

**TF-350HF Pilot**

LBS | 5.5

PN | 135089

**TF-350C Pilot**

LBS | 5.5

PN | 135090

**TF-350CXC Pilot**

LBS | 5.8

PN | 135091

**TF-350HFTC Pilot**

LBS | 5.5

PN | 135092

### PARTS | Teeth

**40/50 Tooth**

LBS | .5

PN | 134501

**40/50HFF Tooth**

LBS | .5

PN | 134802

**40/50C Tooth**

LBS | .65

PN | 134519



	Item	Flight	Dia	Teeth	Wt (lbs)	2-9/16" Round	2" Round	2" Hex
49" OAL	6-AR-49	Semi-Double	6"	2	54	135534	135570	135546
	9-AR-49	Double	9"	4	78	135535	135571	135547
51" OAL	12-AR-51	Double	12"	4	114	135536	135572	135548
	15-AR-51	Double	15"	5	117	135537	135573	135549
	18-AR-51	Double	18"	6	145	135538	135574	135550
	24-AR-51	Double	24"	8	210	135539	135575	135551
	30-AR-51	Double	30"	10	220	135540	135576	135552
	36-AR-51	Double	36"	12	295	135541	135577	135553

POSTHOLE

# PENGO AUGERS

## GP Auger Extensions

At times there is a need for a little more depth. Couple your Pengo auger with a Pengo extension to get the job done. We offer a wide variety of extensions from fixed to telescoping with round, square, and hex connections. Whatever your need, contact a Pengo sales team member to determine the best option for your job.



	Model	Hub	Length	Wt (lbs)	Part No.
Telescopic Extensions For CS Augers	G-1.00Rx24 General	1" Round	24"		557091
	G-1.375Hx24 General	1.375" Hex	24"		557092
	LB-1.25Sx24 Little Beaver	1.25" Square	24"		557093
	GH-.875Sx24 Ground Hog	.875" Square	24"		557094
	PC-1.31Rx12 Pengo Collar	2" Pengo Collar	12"		557095
	PC-1.687Rx24 Pengo Collar	2" Pengo Collar	24"		557096
	PC-1.687Rx36 Pengo Collar	2" Pengo Collar	36"		557097
	Telescopic Extensions for GP Augers	HE20-12 Standard	H200	12"	22
HE20-24 Standard		H200	24"	34	557143
HE20-36 Standard		H200	36"	46	557144
HE20-48 Standard		H200	48"	58	557145
HE20-60 Standard		H200	60"	69	557146
HE20-72 Standard		H200	72"	82	557147
SA24 x 256 Ext Shaft		R256	24"	22	134668
Fixed Extensions		RE20-12 Std Fixed	R200	12"	20
	RE20-24 Std Fixed	R200	24"	31	557178
	RE20-36 Std Fixed	R200	36"	40	557174
	RE20-48 Std Fixed	R200	48"	50	557179
	RE20-72 Std Fixed	R200	72"	72	557177
	RE25-12 Std Fixed	R256	12"	20	134203
	RE25-24 Std Fixed	R256	24"	31	134204
	RE25-36 Std Fixed	R256	36"	40	134205
	RE25-48 Std Fixed	R256	48"	50	134206
	RE25-60 Std Fixed	R256	60"	61	134207
	RE25-72 Std Fixed	R256	72"	72	134208

# PENGO AUGERS

## GP Auger Replacement Heads

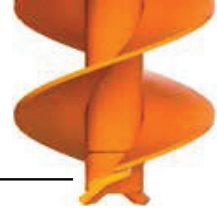
### AGGRESSOR® HEADS

ITEM	DIA	LBS	PN
HEAD AUG [6-AR] CAST	6"	3.4	137692
HEAD AUG [9-AR] CAST	9"	5	137693
HEAD AUG [12-AR] CAST	12"	8	137694
HEAD AUG [15-AR] CAST	15"	9.3	137695
HEAD AUG [18-AR] CAST	18"	10.1	137696
HEAD AUG [24-AR] CAST	24"	12.6	137697



### AGGRESSOR

Use the Pengo Aggressor Cast heads to replace or repair your current auger. Simply remove the teeth and pilot and follow the instructions below.



There must be at least 2" of clearance between weld seam and front edge of shank.



#### STEP 1

Torch off old shanks and pilot adapter, angle torch to remove shanks from bottom side of flight. Leave as much flight as possible.



#### STEP 2

Grind flight edges. Flight edges should be parallel and in-line with each other.



#### STEP 3

Torch and grind out center shaft flush. End of flight should be approximately 1 3/8" beyond end of center shaft.



#### STEP 4

Install cast head and weld all around.

Flight Edge Perpendicular to bolt hole

POSTHOLE

### TRIMAX® HEADS

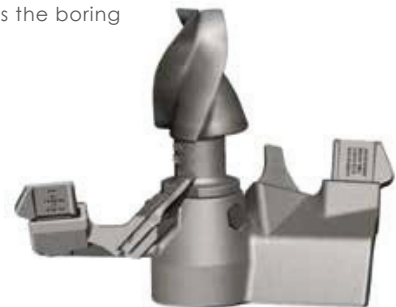
ITEM	DIA	NO. TEETH	LBS	PN
TMOBH-6	6"	2	12	135813
TMOBH-8	8"	4	17	135814
TMOBH-9	9"	4	18	135815
TMOBH-10	10"	4	19	135816
TMOBH-12	12"	4	21	135817
TMOBH-14	14"	6	22	135818
TMOBH-16	16"	6	24	135819
TMOBH-18	18"	6	25	135820
TMOBH-20	20"	6	27	135821
TMOBH-24	24"	8	32	135822
TMOBH-30	30"	10	40	135823
TMOBH-36	36"	12	48	135824
TMOBH-42	42"	16	48	135825
TMOBH-48	48"	18	48	135826

For those who want to build their own auger or simply repair an auger, we offer the ever popular TriMax® Weld-On Boring Heads. These heads feature the patented TriFlow® bit and Fas-N-Lok® dirt teeth, 37 Gage on the outside and 5T30 Carbide on the inside.

Once you weld on the TriMax® head to any auger flight of equal diameter you will have the ability to drill in dirt, clay, and light rock.

Each TriMax® Boring Head kit contains the boring head, pilot bit, teeth and hardware.

### TRIMAX





# PENGO AUGERS

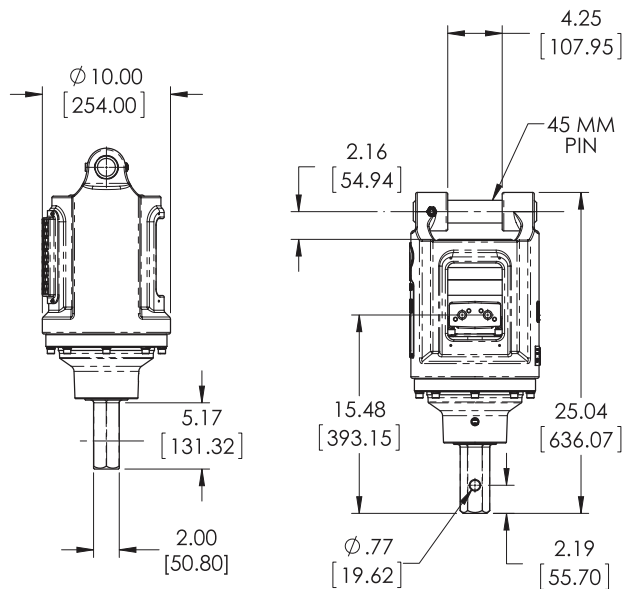
## CS Auger Drives

Lightweight and compact



Protective Vents Allow for Hydraulic Motor Cooling

2" Hex Output Shaft



### Drive & Mount



45MM Link Arm

LBS | 7

PN | 623064



45MM Pin

LBS | 1

PN | 620024



POSTHOLE

Model	Item No. Head Only	Item No. Head & Mount	Flow (GPM)	Revs/min	Displacement Cubic Inch	Max Auger Diameter	Head Wt (lbs)	Head & Mount Wt (lbs)
CS1	623010	623066	5-15	26-78	12.1	24"	130	250
CS2	623011	623067	10-25	41-102	15.4	30"	130	250
CS3	623012	623068	15-30	51-103	18.3	36"	130	250
CS4	623018	623069	20-35	52-91	24.1	36"	130	250

# SHAYER POST HOLE DIGGERS

## PTO Post Hole Diggers



**Post hole diggers for even the toughest conditions:** Shaver's lineup of PTO-powered post hole diggers are engineered for even the toughest conditions. With four models to choose from, there's a PTO-powered post hole digger to meet your needs.

**Standard Auger Options:** Shaver offers a wide variety of augers, including diameters from 4 to 30 inches. Our augers come in a standard length of 42 inches and are available in semi-double flight and double flight. Bolt-on auger extensions at 9 and 14 inches are available when added depth is needed.

**Orchard Augers:** Shaver orchard augers come in standard diameters of 16, 18, 24 and 30 inches with a standard length of 30 inches. The points on these augers are extremely hard austempered ductile iron for longer wear. Cutting teeth are forged steel and are bolted on for easy replacement.

**Rock Augers:** Designed for extremely rugged conditions, Shaver rock augers are available in diameters ranging from 4 1/2 to 30 inches. These augers feature replaceable carbide bullet teeth, a 3/4-inch-thick double-flight boring head and 3/8-inch-thick flighting with Rockwell 65 hardfacing.

**Down Pressure Kit:** Shaver's Down Pressure Kit gives you heavier-duty power by supplying 500 lbs. of downward force on the unit. The unit is powered using the hydraulics from tractor, so it doesn't interfere with the regular operation of the digger. Ideal for compacted soil, rocky areas or semi-frozen ground.

**Power:**

Select from four powerful PTO-driven models of Shaver post hole diggers.

**Durability:**

Each unit features an enclosed gearbox to ensure longer life. Plus, each of the four models features a fully enclosed PTO shaft shield at both output and input points of the gearbox to provide safety and protection from dirt and moisture.

**Strength:**

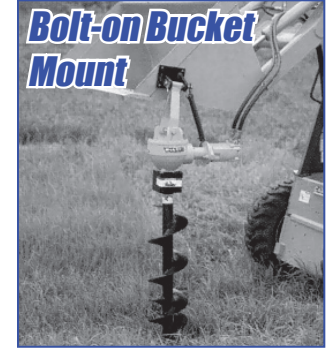
Straddle-mounted, tapered roller bearings for strength.

POSTHOLE

Model	Model 101	Model 301H	Model 601H	Model 901
<b>Arch (Yoke)</b>	1/2"-thick steel to Cat. 0 & I, 3-pt. hitch	3" OD tubing with reversible steel pins to fit Cat. I & II, 3-pt. hitch		
<b>Boom</b>	Standard	Standard	Standard	Standard
<b>Bearings</b>	Deep groove ball bearing w/ needle bearing	Tapered roller, straddle mounted, one each side of gear with needle bearing for rigidity, strength, compact design		
<b>Input Shaft</b>	1 1/4" diameter	1 1/4" diameter	1 1/4" diameter	1 3/8" diameter
<b>Shear Pin</b>	1/4", grade 2 on input shaft with roll pin to hold PTO shaft	3/8", grade 2 on input shaft with roll pin to hold PTO shaft	3/8", grade 2 on input shaft with roll pin to hold PTO shaft	Two 1/2" grade 2 bolts on output shaft
<b>Standard Auger Diameters</b>	4", 6" and 9" semi-double + 4" double flight	4", 6", 9", 12" and 14" semi-double or double flight	4", 6", 9", 12" and 14" semi-double or double flight and 16", 18" and 24" double flight	4", 6", 9", 12" and 14" semi-double or double flight and 16", 18", 24" and 30" double flight
<b>Orchard Augers</b>	N/A	N/A	16", 18", 24" double flight	16", 18", 24", 30" double flight
<b>Cutting Teeth</b>	Bolted on, forged steel, replaceable on 6" and 9" augers	Bolt on, forged steel, replaceable on 6", 9", 12" and 14" augers	Bolted on, forged steel, replaceable on 6-24" augers	Bolted on, forged steel, replaceable on 6-30" augers
<b>Down Pressure Kit</b>	500 lbs. additional pressure, 2"-diameter cylinder, 8" stroke, 2-way valve for use with boom/3-pt. mount			

# SHAYER POST HOLE DIGGERS

## Hydraulic Post Hole Diggers



Shaver's lineup of hydraulically powered diggers includes two models. The Model 510 gives you 700 foot-pounds of torque and requires 5-10 gpm. The Model 1020 offers 1,000 foot-pounds of torque with a hydraulic requirement of 10-20 gpm.

**Standard Auger Options:** Shaver offers a wide variety of augers, including diameters from 4 to 30 inches. Our augers come in a standard length of 42 inches and are available in semi-double flight and double flight. Bolt-on auger extensions at 9 and 14 inches are available when added depth is needed.

**Orchard Augers:** Shaver orchard augers come in standard diameters of 16, 18, 24 and 30 inches with a standard length of 30 inches. The points on these augers are extremely hard austempered ductile iron for longer wear. Cutting teeth are forged steel and are bolted on for easy replacement.

**Rock Augers:** Designed for extremely rugged conditions, Shaver rock augers are available in diameters ranging from 4 1/2 to 30 inches. These augers feature replaceable carbide bullet teeth, a 3/4-inch-thick double-flight boring head and 3/8-inch-thick flighting with Rockwell 65 hardfacing.

### Down Pressure Kit:

Shaver's Down Pressure Kit gives you heavier-duty power by supplying 500 lbs. of downward force on the unit. The unit is powered using the hydraulics from tractor, so it doesn't interfere with the regular operation of the digger. Ideal for compacted soil, rocky areas or semi-frozen ground.

Model	Model 510	Model 1020
Bolt-On Bucket Mount	Optional	
Boom/3-pt Mount	Optional	
Skid Loader Fast-Tach	Optional	
Gearbox	3.18:1 ratio	
Bearings	Tapered roller, straddle mounted, one each side of each gear for rigidity, strength, compact design	
Seals	Completely enclosed dual lip, high-quality spring loaded	
Input Shaft	1 1/4" diameter	
Output Shaft	2" solid	
Hydraulic Motor	5-10 gpm, 1500-3000 PSI, 1 1/4" output shaft, max. torque 700 ft. lbs.	10-20 gpm, 1500-3000 PSI, 1 1/4" output shaft, max. torque 1000 ft lbs.
Standard Augers	42" length; 4", 6", 9", 12" and 14" semi-double flight or double flight	42" length; 4", 6", 9", 12" and 14" semi-double flight or double flight; 16", 18" and 24" double flight
Auger Extensions	9" and 14"	
Orchard Augers	N/A	16", 18", 24" double flight
Auger Point	Austempered ductile iron replaceable on 6", 9" and 12" augers	Austempered ductile iron replaceable on 6-24" augers
Cutting Teeth	Bolted on, forged steel replaceable on 6", 9" and 12" augers	Bolted on, forged steel replaceable on 6-24" augers
Shipping Weight	113 lbs.	115 lbs.
Down Pressure Kit	500 lbs. additional pressure, 2"-diameter cylinder, 8" stroke, 2-way valve for use with boom/3-pt. mount	

# SHAYER POST DRIVERS

## HD Series Hydraulic Post Drivers

Fast, powerful, and reliable Shaver post drivers are the world's finest. Built far heavier than the job requires, with only six moving parts, they work year after year without breakdown. And Shaver post drivers can be mounted on tractors or skid-steer loaders.

We developed the first powered driver over 50 years ago. Today, we make high quality post drivers for farmers and professionals worldwide. As thousand of satisfied users can attest: With Shaver, you buy with confidence.

### Features:

- Fast driving - up to 40 strokes/minute drive a 4-5" post in 10-15 seconds.
- Powerful- Drives steel, wood, or even a railroad tie
- Easy driving - Drives posts straight and true on almost any terrain. It will not split or "mushroom" top of posts.
- No digging, no pointing, no tamping, and no setting.



Model Shown: Shaver Model HD-12H

POSTHOLE

Model	HD-8	HD-10	HD-12
<b>Impact</b>	30,000 lbs	71,500 lbs	100,000 lbs
<b>Effective spring hammer weight</b>	360 lbs	725 lbs	1,100 lbs
<b>Operating ht.</b>	53"-126"	53"-128"	53"-128"
<b>Max post dia.</b>	7-1/8"	8-3/4"	10-7/8"
<b>Max post length</b>	10'	10'	10'
<b>No. of block studs</b>	4	4	6
<b>No. of nyrim blocks</b>	4	4	6
<b>With manual base plate</b>	15° fore/aft 15° side/side		N/A
<b>With hydraulic base plate</b>	15° fore/aft 15° side/side		20° fore/aft 25° side/side
<b>Pilot auger attachment</b>	N/A	Optional	Optional
<b>3-pt hitch</b>	Cat. I & II	Cat II & III	
<b>Mounting options</b>	Front, rear or skid loader		Rear or skid loader
<b>Hydraulic Requirement</b>	3-4 GPM 1500 PSI	12 GPM 1500 PSI	15 GPM 2000 PSI
<b>Weight with hyd. base plate</b>	486 lbs.	714 lbs.	957 lbs.
<b>With manual base plate</b>	438 lbs.	694 lbs.	N/A
<b>Positioners</b>	SB-02	SB-12	SB-22
<b>Width</b>	66" - 90"	66" - 90"	92" - 116"
<b>Height</b>	37.5"-55.5"	37.5"	37.5"
<b>Weight</b>	705 lbs	680 lbs	861 lbs
<b>Swivel</b>	0-155°		

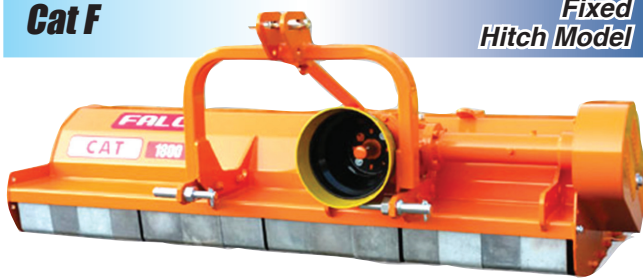
Part No.	Description
<b>HD-8 Driver</b>	
<b>HD-8</b>	Post driver with manual base plate
<b>HD-8-H-S</b>	Post driver with hydraulic base plate
<b>HD-8SSMPC-S</b>	Skid steer mount - steel tank
<b>HD-8SSMPC-P</b>	Skid steer mount - plastic tank
<b>MB-01-A</b>	3 Point mount (less hardware)
<b>SB-25</b>	Super slide assembly
<b>HD-8HCK</b>	Hydraulic conversion kit
<b>HD-10 Driver</b>	
<b>HD-10-H-S</b>	Post driver with hydraulic base plate
<b>HD-10SSMPC-S</b>	Skid steer mount - steel tank
<b>HD-10SSMPC-P</b>	Skid steer mount - plastic tank
<b>MB-1201A</b>	3 Point mount (less hardware)
<b>HD12 Driver</b>	
<b>HD-12-H-S</b>	Post driver with hydraulic base plate
<b>HD12-SSMPC-S</b>	Skid steer mounting - steel tank
<b>HD12-SSMPC-P</b>	Skid steer mounting - plastic tank
<b>MB-1201A</b>	3 Point mount (less hardware)

# FALC SHREDDERS

## Cat Shredder

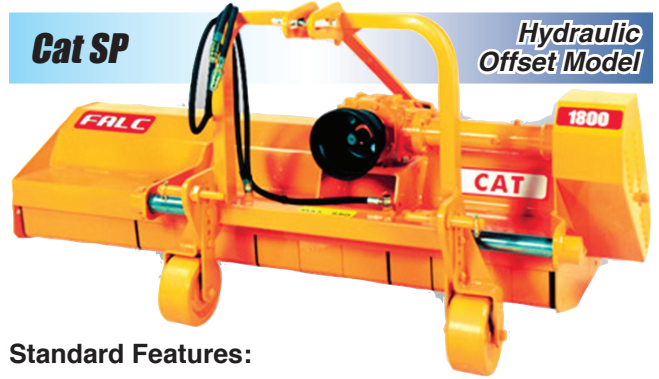
### Cat F

Fixed Hitch Model

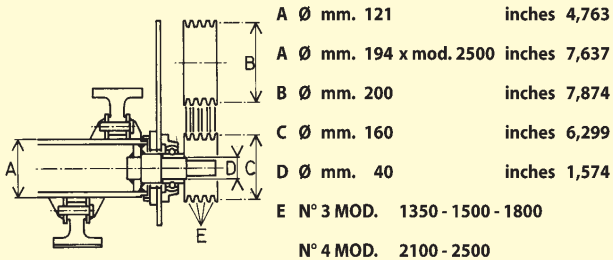


### Cat SP

Hydraulic Offset Model



### Rotor and Drive Pulleys



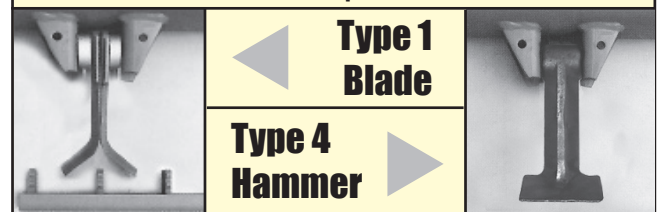
### Standard Features:

- “F” series has one position manual offset. “SP” offsets hydraulically
- 5.5” rear roller for level cutting and height adjustment.
- 20-60 HP required.
- Electronically balanced rotor and long-life rotor bearings for smooth operation Rotor diameter is 4.7”
- Hardened steel hammers are standard. Type 1 blades are also available.
- Harvest tines and front wheels are available as optional equipment.

### Dimensions:

Model	A	B	C	D
<b>Cat F</b>				
800F	16"	16"		
1000F	20"	20"		
1200F	23.9"	24.9"	23.9"	24.9"
1350F	15.4"	39.4"	29.1"	25.7"
1500F	15.4"	45.0"	29.1"	31.3"
1800F	15.4"	56.2"	29.1"	42.4"
<b>Cat SP</b>				
1350SP	23"	32"	shift 8" from center	
1500SP	23"	38"	shift 8" from center	
1800SP	23"	49"	shift 8" from center	
2100SP	23"	60"	shift 8" from center	
2500SP	36"	64"	shift 8" from center	

### Blade Options



Model No.	Width	Tractor HP	Weight (lbs)	No. of. Blades Type 1	No. of Hammers
800F*	32"	20-60	573	20	10
1000F*	40"	20-60	617	28	14
1200F*	47"	20-60	661	32	16
1350F	53"	20-60	690	36	18
1500F	59"	30-60	41	40	20
1800F	71"	40-60	42	48	24
1350SP	53"	20-60	777	36	18
1500SP	59"	30-60	823	40	20
1800SP	71"	40-60	917	48	24
2100SP	83"	50-60	1012	56	28
2500SP	100"	50-60	1210	68	34

\*on request

# FALC SHREDDERS

## Condor Shredder

### Condor SP

Hydraulic Offset



### Condor F

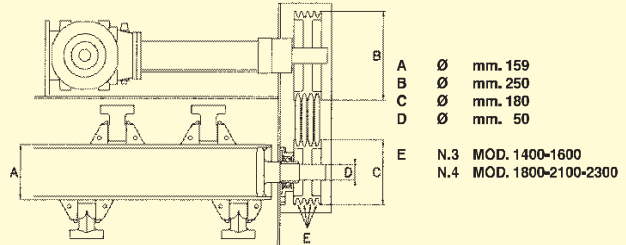
2 Position Hitch



#### Standard Equipment:

- Rear roller
- Gearbox with internal freewheel.
- Shredder Bar
- Rear hood and bar for harvest tines.
- 540 rpm PTO shaft
- F model has 2 position hitch, while SP model has hydraulic offset.

#### Rotor and Drive



SHREDDER

Model	A	B	A/1	B/1
<b>F 1600</b>	15"	48"	30"	33"
<b>F 1800</b>	15"	55"	30"	40"
<b>F 2300</b>	32"	58"	45"	45"
<b>SP 1400</b>	14"	41"	31"	24"
<b>SP 1600</b>	14"	48"	31"	31"
<b>SP 1800</b>	14"	56"	31"	38"
<b>SP 2100</b>	14"	70"	31"	52"
<b>SP 2300</b>	20"	70"	38"	53"

Model	Description	HP	Wt (lbs.)	No of Hammers
<b>Condor 1600F</b>	62" Shredder; 2 position hitch	50-70	1012	16
<b>Condor 1800F</b>	70" Shredder; 2 position hitch	50-70	1078	18
<b>Condor 2300F</b>	90" Shredder; 2 position hitch	50-70	1276	24
<b>Condor 1400SP</b>	55" Shredder; 2 position hitch	50-70	1089	14
<b>Condor 1600SP</b>	62" Shredder; hyd. offset hitch	50-70	1133	16
<b>Condor 1800SP</b>	70" Shredder; hyd. offset hitch	50-70	1199	18
<b>Condor 2100SP</b>	84" Shredder; hyd. offset hitch	50-70	1320	22
<b>Condo 2300SP</b>	90" Shredder; hyd. offset hitch	60-70	1398	24
<b>Options</b>				
	Pair of Front Wheels -F			
	Pair of Front Wheels - SP			
	Pair of Skids			
<b>Rear Tines:</b>				
<b>1400</b>	9 rear tines for model 1400			
<b>1600</b>	10 rear tines for model 1600			
<b>1800</b>	11 rear tines for model 1800			
<b>2100</b>	13 rear tines for model 2150			
<b>2300</b>	15 rear tines for model 2300			

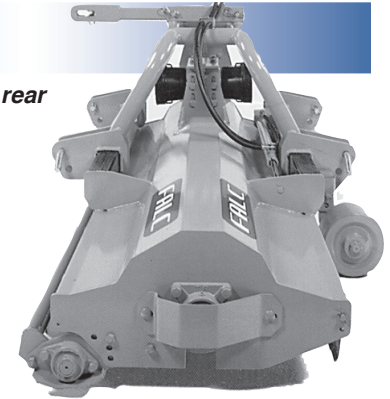
# FALC SHREDDERS

## Super Sax Shredder



### Reversible Hitch

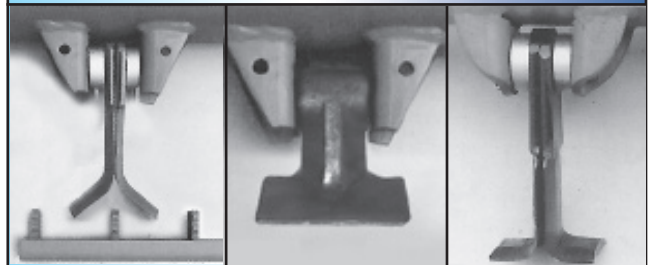
For fast, easy front or rear tractor mounting.



### Standard Equipment:

- Front and rear hitch and PTO allow for both front and rear tractor mounting.
- Hydraulic offset hitch is standard equipment.
- 540 rpm PTO shaft
- 4 groove pulley for 1600 & 1800
- 5 groove pulley for 2100
- Rear roller & 2 front support wheels are standard.

### Blade Options



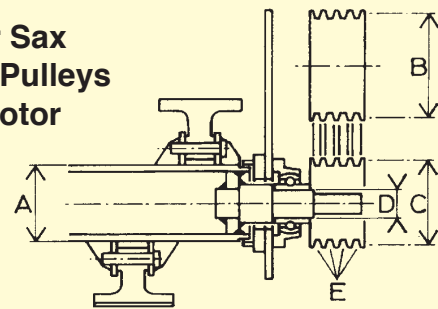
**Type 1  
Blade**

**Type 4  
Hammer**

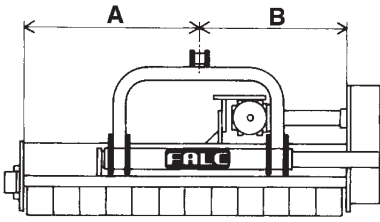
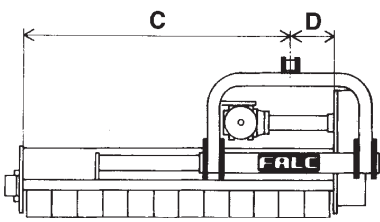

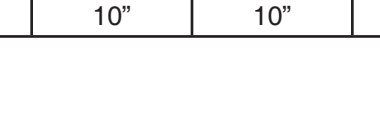
**Type 5  
Blade**



### Super Sax Drive Pulleys and Rotor



- A) Ø mm. 193,7 inches 7,626
- B) Ø mm. 225 inches 8,858
- C) Ø mm. 180 inches 7,087
- D) Ø mm. 60 inches 2,362
- E) N° 5 MOD. 2100  
N° 4 MOD. 1800 - 1600

Model	1600	1800	2100
			
			
			
			
<b>Figure A</b>	29"	39"	48"
<b>Figure B</b>	34"	34"	34"
<b>Figure C</b>	53"	63"	72"
<b>Figure D</b>	10"	10"	10"

Model No.	Width	HP	No. of Blades	No. of Hammers	Wt (lbs)
SAX 1500	58"	50-100	24	12	1654
SAX 1600	63"	50-100	24	12	1672
SAX 1800	72"	55-100	28	14	1782
SAX 2100	82"	60-100	32	16	1892
Optional Equipment					
40214120	Harvest Tines (all models)				
	Front Wheel pair (all models)				

# FALC SHREDDERS

## Zenit Shredder

The Falc Zenit Shredder is a low-profile shredder designed for orchards, vineyards, and row crop.

### Zenit F

Fixed Hitch



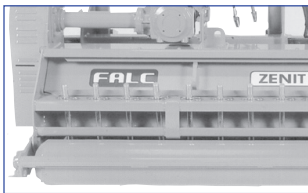
### Zenit SP

Hydraulic Offset



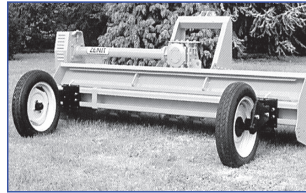
#### Standard Equipment:

- 540 RPM PTO Shaft
- Hood and replaceable liner
- Heavy duty hammers & shredder bar (blades optional)
- Internal free wheel - all models
- Bar for harvest tines (Tines Optional)
- Rear roller assembly



#### Rear Door

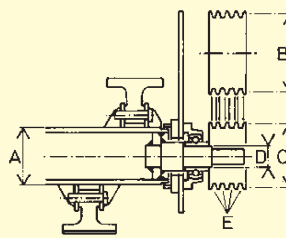
Rear door and roller are standard. Harvest tines optional.



#### Gauge Wheels

Gauge wheels are available as optional equipment.

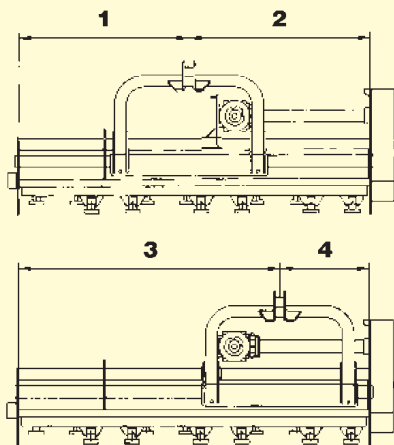
#### Rotor and Drive Specifications



- A) Ø inches 7.63
- B) Ø inches 9.84  
(1400-1600-1800-2100-2300)
- B) Ø inches 8.86  
(2500-2700-3000)
- C) Ø inches 7.09  
(1400-1600-1800-2100-2300)
- C) Ø inches 7.87  
(2500-2700-3000)
- D) Ø inches 1.97
- E) N° 3 MOD. 1400  
N° 4 MOD. 1600-1800-2100-2300  
N° 5 MOD. 2500-2700-3000

SHREDDER

#### Model SP Hitch Offset



	Centered		Full Offset	
	1	2	3	4
1600	28.9"	33.5"	52.4"	9.9"
1800	35.9"	33.5"	59.6"	9.9"
2100	50.1"	33.5"	73.75"	9.9"
2300	49.5"	41.2"	73.2"	18"
2500	51.1"	46.75"	74.75"	32.1"
2700	53.9"	51"	77.5"	27.4"
3000	62.5"	56.6"	86"	33"

Model No.	Shred Width	Total Width	No. of Blades	No. of Hammers	Wt (lbs)
1600F	63"	73"	32	16	1312
1800F	71"	81"	36	18	1389
2100F	83"	93"	44	22	1587
2300F	91"	101"	48	24	1764
2500F	98"	108"	52	26	1918
2700F	106"	116"	56	28	2094
3000F	118"	128"	64	32	2249
1600SP	63"	73"	32	16	1455
1800SP	71"	81"	36	18	1587
2100SP	83"	93"	44	22	1764
2300SP	91"	101"	48	24	1874
2500SP	98"	108"	52	26	2006
2700SP	106"	116"	56	28	2183
3000SP	118"	128"	64	32	2403

#### Optional Equipment

- Skids
- Front Wheels "F"
- Front Wheels "SP"
- Harvest Tines
- Rear Wheels

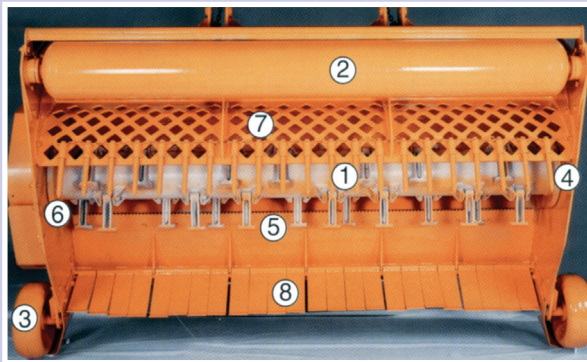


# FALC SHREDDERS

## Top Orchard Shredder

The Falc Top Shredder is an extremely strong, heavily built machine for the shredding of orchard prunings such as almond and walnuts.

Built specifically to help growers comply to burn restrictions, the Top provides an economical way to clear heavy prunings

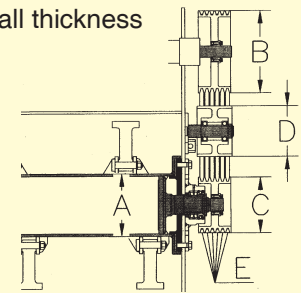


1. Electronically balanced rotor.
2. Rear roller is height adjustable.
3. Front support wheels are height-adjustable and in conjunction with the adjustable rear roller, provide a steady cutting height.
4. Roller bearings provide smooth operation.
5. Falc no. 3 durafaced hammers quickly break down prunings up to 3" in diameter.
6. Standard harvest tines.
7. Rear grill ensures fine, uniform choppings.
8. Wide, tall entrance accepts larger prunings.

- Extra heavy duty construction to deal with the special demands of heavy orchard prunings.
- Reduces branches up to 3" in diameter to fine cuttings
- 2110 rpm rotor propels Falc's heavy durafaced hammers to 250 feet per second at tips.
- Automatic belt tensioning system
- Front or Rear Mount
- Rear Roller and front support standard.

### Rotor and Drive Specifications

- A:** 9.6" diameter x .4" wall thickness
- B:** 12" Diameter
- C:** 8.3" Diameter
- D:** 7.8" Diameter
- E:** No of belts:  
2500 - 2700: 5  
3200: 6



Model	Tractor HP	Wt (lbs)	Hammers	PTO RPM	Work Width	Total Width
2700	90-160	3968	28	1000	105"	114"
3200	90-160	4453	34	1000	126"	135"

# FALC SHREDDERS

## Vision & Vision California Shredders



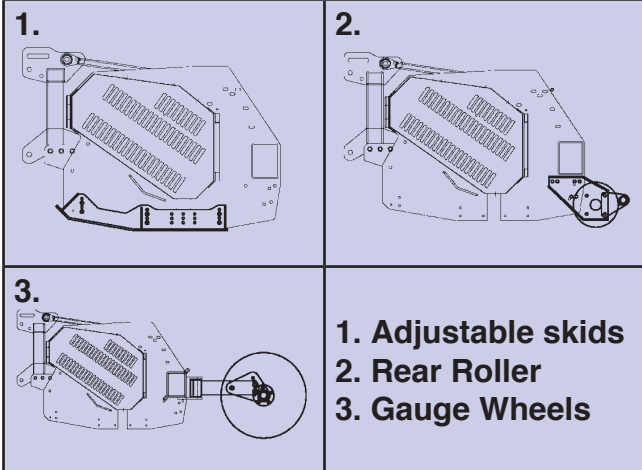
### Standard Equipment:

- 1000 rpm pto standard; 540 rpm available
- Requires 70-160 HP
- Automatic belt tensioner on six groove pulleys
- Internal free wheel gearbox
- Type I blades standard
- Quick hitch compatible
- Closed Hood
- Replaceable steel wear sheet.



The extra heavy duty FALC Vision has the highest rotor speed in the industry to insure excellent cutting quality. Orchard, vineyard, and row crop models available.

### Optional Wheels



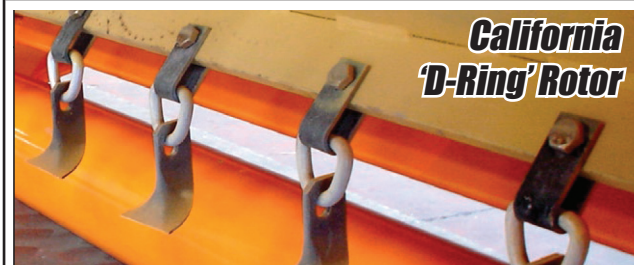
SHREDDER

Model No.	Width	HP	No. of Blades	No. of Hammers	Wt (lbs)
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### Vision Shredder

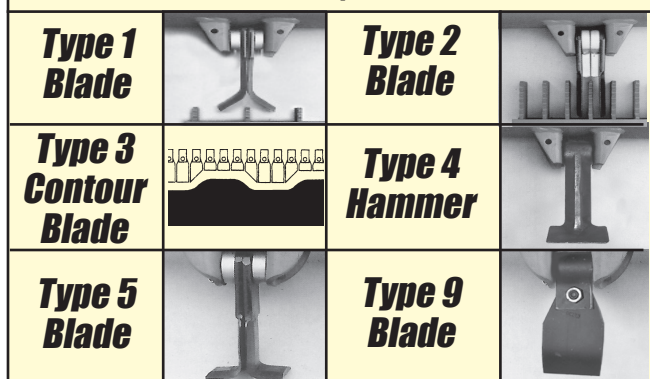
Vision 2700	105"	70-160	56	28	2637
Vision 3200	125"	70-160	68	34	2901

### Vision California



Vision California 3600	144"	70-160	144"	40	3175
Vision California 4200	158"	70-160	158"	44	3406

### Blade Options



### Optional Equipment

Hammers and smooth counterblade in lieu of std  
#3 or #9 blades w/ smooth counterblade in lieu of std  
540 rpm PTO in lieu of std  
Adjustable skids

# FALC SHREDDERS

## Kronos Shredder

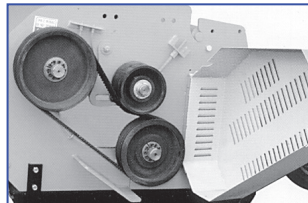


- HD Series PTO Shaft
- Replaceable wear sheets
- Interchangeable blades. Type 1 is standard
- Two adjustable gauge wheels on 4000, 4800, & 5400. Four wheels on 6400 & 8000
- Dual Belt Drive.
- Gearbox with internal flywheel.
- 4 belts per side on 4000; 5 belts per side on 4800 thru 6400; 6 belts per side on 8000.
- 2nd set of cutter bars



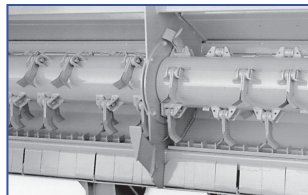
### Dual Belt Drive

Belt drive system with adjustable automatic belt tensioner. Safety cover swings open with just a pull of a pin.



### Kronos Rotor

Precision balanced for smooth operation. Rotor diameter is 12". Pictured is the dual rotor of 4800 and larger model sizes.



### Kronos Drive and Rotor

	A	29"
	B	11.75" x .4"
	<b>Kronos 4000:</b> 4 per side	
	<b>Kronos 4800:</b> 4 per side	
	<b>Kronos 5400:</b> 5 per side	
	<b>Kronos 6400:</b> 5 per side	
	<b>Kronos 8000:</b> 6 per side	

SHREDDER

### Blade Options

<b>Type 1 Blade</b>		<b>Type 2 Blade</b>	
<b>Type 3 Contour Blade</b>		<b>Type 4 Hammer</b>	
<b>Type 5 Blade</b>		<b>Type 9 Blade</b>	

Model No.	Width	Blades	Tractor HP	Wt (lbs)
Kronos 4000 DT/MR	158"	88	100-160	5500
Kronos 4800 DT/2R	190"	104	100-160	6204
Kronos 5400 DT/2R	218	120	120-180	7260
Kronos 6400 DT/2R	254	144	120-180	8404
Kronos 8000 DT/2R	316	176	160-280	10670

# FALC SHREDDERS

## Kronos 6000/P Hydraulic Folding Shredder



The Kronos 6000/P provides all the advantages of the Heavy Duty Kronos shredder plus hydraulic folding for narrow transport width. The Kronos 6000/P is particularly suited for 3 - 80 inch or 3 - 84 inch beds (requires optional folding wheels).


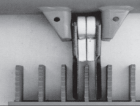
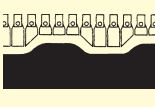
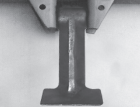
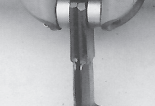

*See previous page for additional Kronos specs.*

### Standard Equipment:

- Double belt drive with automatic belt idler.
- Interchangeable blades. Type 1 is standard
- Adjustable gauge wheels
- Gearbox with internal flywheel.
- 5 belts per side

Model No.	Width	Blades	HP Req.	Weight
Kronos 6000/P	240"	136	120-180	7165 lbs

### Blade Options

<b>Type 1 Blade</b>		<b>Type 2 Blade</b>	
<b>Type 3 Contour Blade</b>		<b>Type 4 Hammer</b>	
<b>Type 5 Blade</b>		<b>Type 9 Blade</b>	

# FALC SHREDDERS

## Pellicano and Super Pellicano Articulating Shredder

The Pellicano chops grass, bushes, & branches on roadsides, the banks of ditches and canals. It pivots through an arc of 150°, retracts directly behind the tractor, and swings out to one side. If an obstacle is contacted, a safety system allows the shredder to pivot clear, then automatically resets. Super Pellicano model has gearbox outboard of belt drive for even greater swing angle

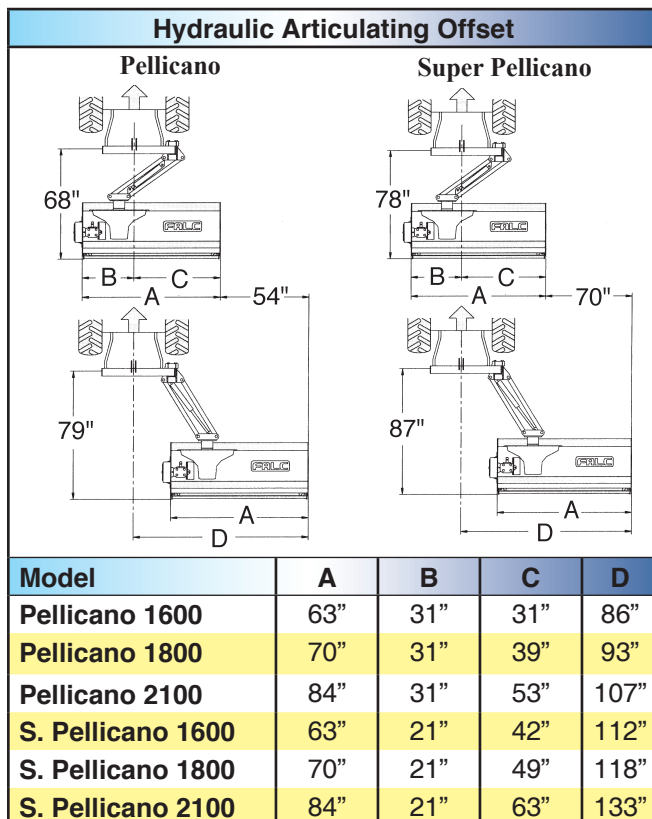


### Standard Features:

- Gearbox with internal freewheel
- 540 rpm pto
- Rear closing hood
- For tractors 80-110 hp.



SHREDDER



### Transport Position

*Pellicano retracted directly behind the tractor for rear mowing and transport.*



### Hydraulic Offset

*Pellicano offsets to one side. An automatic system pivots shredder clear of obstacles.*

Model No.	Cutting Width	No. of Hammers	Weight (lbs)
Pellicano 1600	63"	16	1654
Pellicano 1800	70"	18	1742
Pellicano 2100	84"	22	1874
S. Pellicano 1600	63"	16	1874
S. Pellicano 1800	70"	18	2028
S. Pellicano 2100	84"	22	2160
S. Pellicano 2500	98"	26	2491

# FALC SHREDDERS

## Solex & Vortex Shredder with Hydraulic Dumping Hopper

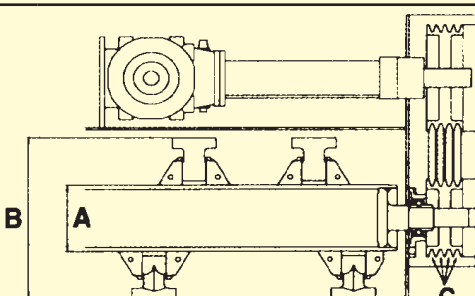


### Standard Features:

- Solex is suited to the shredding of grass & light vineyard prunings.
- Vortex shreds material up to light orchard prunings as well as grass & vineyard prunings
- 540 rpm pto
- Maximum dumping height of 80"
- Rear roller
- Threaded hammer support pin with self-locking nut.

SHREDDER



Rotor and Drive Information		
		
	<b>Solex</b>	<b>Vortex</b>
A	5.5" x 3/8" wall	7.6" x 3/8" wall
B	17"	24.5"
C	4 belts	4 belts



Model	Description	HP req.	Wt (lbs.)	Hopper Capacity
<b>Solex 1800</b>	71" cutting width shredder	80-90	2403	2.43 cu. yd.
<b>Vortex 2100</b>	84" cutting width shredder	100-140	3153	3.05 cu. yd.
Optional Equipment				
Front Wheels (pr)				
Skids (pr)				
Rear rake tines				
Entry guide				

# FALC SHREDDERS

## Spit Green Grass Shredder



Machines for shredding grass and pruning to realize the mulch of the sub-row. The unloading of the triturate happens sideways, on the right and on the left, near the edges of the inter rows. The mulch of the sub-row creates three advantages: the fertilizing effect of the organic substance; the creation of a micro climate which improves the physical conditions of the earth with regard to the roots of the plants; the covering of the earth with organic material which limits the development of weed, avoiding continuous chemical weeding.



Model	Description	HP req	WT (lbs)	Blades
Spit Green 1200	48" Grass Shredder	50-70	1036	16
Spit Green 1350	55" Grass Shredder	50-70	1124	16
Spit Green 1650	65" Grass Shredder	50-70	1235	22

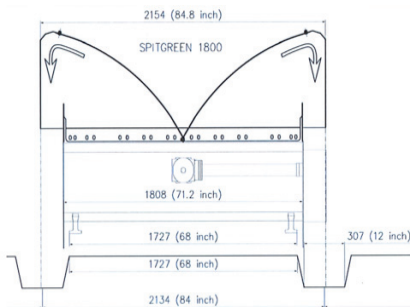
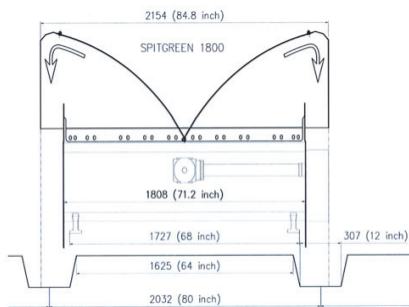
## Spit Green Vegetable Shredder

Spit Green Vegetable is great for cutting salad. Once cut the material will deposit straight down into both sides of the furrow.



Check out the Spit Green Vegetable in action!

Scan the QR Code



Model	Description	HP req	WT (lbs)	Blades
Spit Green Vegetable 1800	71" Grass Shredder	50-70	1091	24

SHREDDER

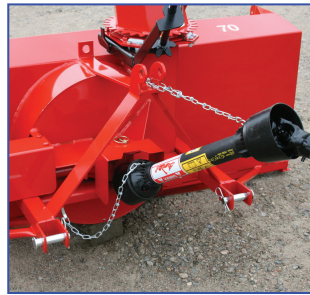
# PRONOVOST SNOWBLOWERS

## Lynx Homeowner Snowblower



### Standard Features:

- Balanced auger protected by shear bolt.
- Adjustable skid shoes.
- Reinforced 4 bladed rotor.
- Roller bearings encased in ductile cast iron.
- Main heavy duty PTO shaft protected by shear bolt.
- Chute base on antifriction blocks or ring.



### Options:

- **Chute Rotation:** manual, hydraulic cylinder, or electric motor.
- **Chute Deflector:** manual, hydraulic cylinder, or electric actuator



SNOW

Model	LYNX-52	LYNX-62	LYNX-70
HP	16-25	16-25	16-25
Working width	52"	62"	70"
Cutting height	25"	25"	25"
Drum diameter	21"	21"	21"
Depth of drum	6"	6"	16"
Impeller blades	4	4	4
Impeller shaft diameter	1"	1"	1"
Impeller center height	13"	13"	13"
Impeller RPM	540	540	540
Number of augers	1	1	1
Main auger diameter	14"	14"	14"
Drive chain	50	50	50
Hitch category	1	1	1
Standard Drive shaft	T20	T20	T20
Weight complete with chute	322	339	353



# PRONOVOST SNOWBLOWERS

## Puma Homeowner Snowblower



- Balanced auger protected by shear bolt.
- Adjustable skid shoes.
- Reinforced 4 bladed rotor.
- Roller bearings encased in ductile cast iron.
- Main heavy duty PTO shaft protected by shear bolt.
- Chute base on anti friction blocks or ring.
- Inverted series has same features as standard Puma, plus the chute rotation kit for hydraulic motor.



Model	Puma Standard 3-pt Models							Puma Inverted 3-pt Models			
	PUMA 48	PUMA 54	PUMA 64	PUMA 72	PUMA 84	PUMA 94	PUMA 96	PUMA 64IV	PUMA 72-IV	PUMA 74-IV	PUMA 80-IV
HP	18-22	18-22	18-25	20-35	25-40	50-75	80-125	18-30	18-30	30-50	30-50
Working width	48"	54"	64"	72"	84"	94"	96"	64"	72"	74"	80"
Cutting height	25"	25"	26.5	26.5	34"	34"	38"	29"	29"	31"	31"
Drum dia.	21"	21"	22"	22"	28"	28"	32"	24"	24"	26"	26"
Drum depth	7"	7"	7"	7"	11"	11"	11"	7"	7"	9"	9"
Impeller blades	4	4	4	4	4	4	5	4	4	4	4
Impeller shaft dia.	1"	1"	1.25"	1.25"	1.6"	1.6"	2"	1.25"	1.25"	1.6"	1.6"
Impeller rpm	540	540	540	540	540	540	540	540	540	540	540
Number of auger	1	1	1	1	1	1	1	1	1	1	1
Auger dia.	16"	16"	16"	16"	20"	20"	23"	15"	15"	16"	16"
Drive chain	50	50	50	50	60	60	80	50	50	60	60
3-pt Cat.	1	1	1	1	1 & 2	1 & 2	2	1	1	1	1
Chute base antifriction	Blocks	Blocks	Blocks	Blocks	Ring	Ring	Ring	Blocks	Blocks	Ring	Ring
Drive shaft	T20	T20	T20	T40	T50	T60	T80	T40	T40	T50	T50
Weight w/ chute	366	374	413	430	955	980	1300	470	502	702	724

# PRONOVOST SNOWBLOWERS

## Group I Professional-Grade Snowblowers



### 54 to 80" Width, 18 to 70 HP PTO

- Automatic double chain binder.
- Quick adjust skid shoes.
- Adjustable 3 point hitch.
- Robust reinforced sides.
- Lighter balanced rotor which is stronger and more efficient. Auger is also balanced
- Roller bearing encased in ductile cast iron.
- Bolted rotating drum mounted on UHMW bearing
- Hydraulic motor drum rotation and chute rotation kit (without motor).

Model	P-540	P-620	P-680	P-720
Cutting width	54"	62"	68"	72"
Cutting height	28"	30"	30"	30"
Tractor hp	18-25	20-30	25-40	25-40
Depth of drum	9"	9"	9"	9"
Impeller dia.	22"	24"	24"	24"
Impeller blades	4	4	4	4
Impeller shaft	1.25"	1.25"	1.6"	1.6"
Impeller rpm	540	540	540	540
Impeller Height	14"	15"	15"	15"
No. of Augers	1	1	1	1
Auger dia.	16"	16"	19"	19"
Chain size	50	50	60	60
Hitch cat	1	1	1	1
Shear Bolts	2	2	2	2
P.T.O driveline	No. 2	No. 2	No. 4	No. 5
Weight (lbs.)	614	649	771	745

Model	Description
<b>Group I Snowblowers;</b>	
<b>P-540</b>	54" Commercial snowblower
<b>P-620</b>	62" Commercial snowblower
<b>P-680</b>	68" Commercial snowblower
<b>P-720</b>	72" Commercial snowblower
<b>P-720TRC</b>	72" Commercial snowblower w/ rotating drum, side deflector
<b>Chute Options, Deflectors, and Rotation Kits</b>	
<b>PSIG-5472</b>	Semi-Industrial Chute
<b>T-4864</b>	Manual telescopic tube for chute deflector
<b>25TR04</b>	Hyd. cylinder for telescopic chute deflector
<b>TSB-4864</b>	Hose support for deflective cylinder
<b>MR-4864</b>	Manual chute rotation kit.
<b>MLH-125</b>	Motor for kit (for pump less than 10GPM)
<b>MLH-250</b>	Motor for kit (for pump more than 10 GPM)
<b>Heavy Duty Options</b>	
<b>SIT1-54</b>	Semi-industrial scraper blade, 3/8" x 2-1/2" not sharpened: fits 540
<b>SIT1-62</b>	Semi-industrial scraper blade, 3/8" x 2-1/2" not sharpened: fits 620
<b>SIT1-68</b>	Semi-industrial scraper blade, 3/8" x 2-1/2" not sharpened:fits 680
<b>SIT1-72</b>	Semi-industrial scraper blade, 3/8" x 2-1/2" not sharpened: fits 720(TRC)
<b>PHD-4872</b>	Industrial skid shoes. CHT-360 steel sole
<b>CL-4872</b>	Set of lateral blades (3/8" x 2.5" x 39.5")

# PRONOVOST SNOWBLOWERS

## X-Pro Front or Rear Mount Snowblower



- Balanced auger.
- Automatic double chain binder.
- Quick adjust skid shoes.
- Adjustable 3 point hitch.
- Reinforced sides.
- Lighter balanced rotor which is stronger and more efficient.
- Roller bearing encased in ductile cast iron.
- Removable cutting edge set on a 6° angle and reversible on certain models.
- Chute with greasable hinges and removable access panel.
- Chute rotation on antifriction ring.



Model	PXPL 80	PXPL 86	PXPL 86-92	PXPL 92	PXPL 92-98	Model	Description	Wt.
HP PTO	40-55	50-75	50-75	75-125	75-125	PXPL-86	86" X-Pro snowblower	1889 lbs
Working width	80"	86"	92"	92"	98"	PXPL-86-92	86" X-Pro snowblower	1943 lbs
Cutting height	28"	28"	28"	34"	34"	PXPL-92	92" X-Pro snowblower	2151 lbs
Drum diameter	26"	28"	28"	32"	32"	PXPL-92-98	92" X-Pro snowblower	2191 lbs
Depth of drum	10½"	12"	12"	12"	12"	<b>Chutes and Deflectors</b>		
Impeller blades	4	4	4	5	5	PSIG-7486	Semi-industrial chute w/ grease-able hinges & rear access panel	
Impeller shaft diameter	1.6"	1.6"	1.6"	2"	2"	T-74104	Chute deflector adjustment: Manual telescopic tube	
Height - impeller center	16.5"	16"	16"	18.25"	18.25"	25TR08	Chute deflector adjustment: Hydraulic cylinder	
Impeller RPM	540	540	540	540	540	TSB-74104	Hose support for deflector cylinder	
No. of auger	1	1	1	1	1	MLH-250	Hyd. chute rotation motor (for pump with less than 12 GPM)	
Main auger dia.	16"	20"	20"	23"	23"	MLH-315	Hyd. chute rotation motor for (for pump with more than 12 GPM)	
Drive chain	50	80	80	80	80			
Hitch category	1	2	2	2	2			
PTO shaft	T50	T60	T60	T80	T80			
Weight (lbs)	1215	1889	1943	2151	2191			

# DEMCO SPRAYERS

## 3-Point Sprayers

### RM Series 150 & 200 Gallon *rear mount units*



#### Features

- 150 or 200 gallon tank with jet agitation, molded sight gauge, sump, fillwell with no-splash cover.
- Rear mount brackets are complete with saddles, tank bands and all necessary bolts.
- Rear mount brackets will fit categories "1" and "2".
- Unit may be used with a "Quick Attach" three point hookup.
- Non-retractable built-in ground stand for storage when empty.
- Hypro® 8 roller PTO pump (C7560D) will deliver 22 GPM at 1000 RPM, 12 GPM at 540 RPM and 300 PSI max.
- 21', 30' and 40' Truss-T booms feature vertical and horizontal boom breakaway, no drip diaphragm check nozzles spaced at 20".
- Handgun with 25' of hose (optional)



BoomJet® nozzle  
See Components section



Three section electric solenoid valve and control



One section electric

### RMLE Series 300, 400 & 500 Gallon *rear mount units*



500 gallon shown

#### Features

- 300, 400 or 500 gallon tank with jet agitation, molded sight gauge, sump and fillwell with no-splash cover.
- Rear mount brackets are complete with saddles, tank straps and all necessary bolts.
- Category "2" or "3" rear mount brackets may be used with "Quick Attach" three point hookup.
- Large, convenient platform with safety rail and ladder for easy filling of the tank.
- Retractable, built-in ground stand for storage when empty.
- A clean water tank is conveniently mounted on the rear mount unit.
- Available with three section electric controls for boom spraying.

NOTE: Rear mount is unassembled. Factory setup available.

NOTE: Raven® sprayer controllers require wheel sensor or radar cable (see Components section).

# DEMCO SPRAYERS

## Side Mount Tanks

### “Quick Tach” Side Mount

*tank units for standard two wheel drive tractors*



#### Features

- Demco's slim-line polyethylene tanks come in two sizes: 200 or 250 gallon. Tanks feature a dual jet agitator, sump, molded sight gauge and fillwell with a no-splash cover.
- Demco “Quick Tach” brackets come with saddles, tank bands, carrier brackets and all necessary bolts for complete installation. The undercarriage is bolted to the tractor and can remain on the tractor while the tanks can be removed quickly and easily. The heavy duty brackets allow you to carry a total of 400 or 500 gallons.
- Transport width: 14'

NOTE: Do not exceed the tractor manufacturer's frame load capacity recommendation.

NOTE: Exhaust manifold should be shielded from tanks.

NOTE: Demco's side mount tractor brackets fit most flat side frames.

*Find more information on Demco products including the full catalog and owners manual by scanning this code*



## Hydraulic Folding Boom

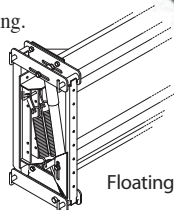
**45' & 60' Hydraulic X-fold booms**  
*X-fold booms*



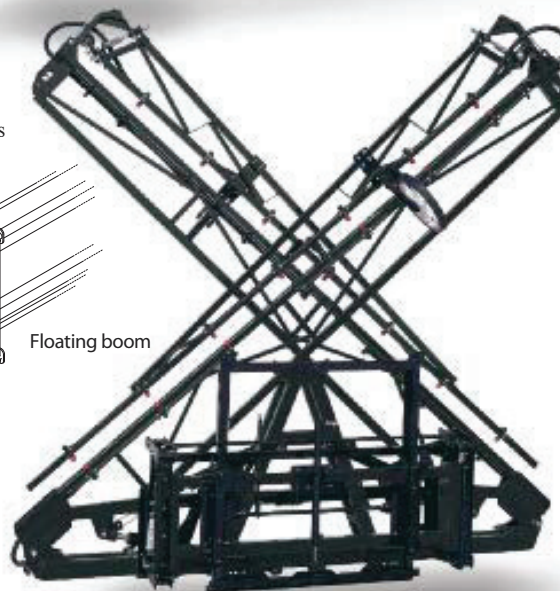
#### Features

- The hydraulic X-fold boom requires two sets of remote outlets and has auto level ride and shock-spring flotation.
- Spring loaded cable ride for cushioning and less swing.
- Hydraulic boom wing leveling.
- Wings fold independently.
- Outer wing breakaway.
- Easy access to 3-point pins and hydraulic hookups.
- Available in three versions: 3-point tractor mount, trailer mount or rear mounted tank unit.
- Transport width: 10' 8"
- Transport height: 11' 9" (at a 20" spraying height)
- All booms are available with 3/4" high volume plumbing and TeeJet® drip free diaphragm check nozzles with stainless steel boom and hose clamps spaced at 20".
- Trailer mounts include hydraulic height adjuster (24" travel).

NOTE: Factory setup is standard. Wings may be removed for shipping.



Floating boom



# ENVIROMIST SPRAYERS

## Spraydome Adjustable Width Orchard and Vineyard Sprayers



*Spraydome  
"Orchard Special" Model*

### *For treating non-uniform widths or performing multiple spraying tasks.*

Spraydome adjustable sprayers treat widths from 5' to 24' in one pass. Variable width and wide reach make them ideal for center row weed control in orchards. They can also be used in vineyards and amenity situations: spraying roadsides, parks and fence lines.



Available in HiFlo and CDA variants, the range comprises of a choice of three variable width base units: the Spraydome 1524 (5'-8'), the Spraydome 2034 (6.5'-11'), and the Spraydome 3049 (10'-16'). For wider center rows, units can be fitted with circular Spraydome 1200 models, extending the coverage by 8'. These extensions incorporate a breakaway arm which allows operators to spray in between and around the base of the trees, as well as the center row simultaneously. Base units can be adjusted to their minimum width and the extension arms fold for storage and transport.



SPRAYER

Model	Spraying Width	Application Rate	Weight
Base Spraydome 1524	Adjustable 5-8'	HiFlo spray head: 10-50 gal/acre CDA spray head: 2-6 gal/acre	222 lbs
Base Spraydome 2034	Adjustable 6.5-11'	HiFlo spray head: 10-50 gal/acre CDA spray head: 2-7.5 gal/acre	385 lbs
Base Spraydome 3049	Adjustable 10-16'	HiFlo spray head: 10-50 gal/acre CDA spray head: 2-6 gal/acre	450 lbs
Spraydome 1200 extension	4' breakaway sprayer extension (up to 24' w/ extensions)	HiFlo spray head: 10-50 gal/acre CDA spray head: 2-4 gal/acre	80 lbs

# ENVIROMIST SPRAYERS

## Undavina Circular Shield Spray Heads for Vineyards & Orchards



The Undavina has been specifically developed for treating weeds in vineyards and orchards. The sprayer has a dome-shaped brush design which rolls closely around the base of vines and trees to ensure maximum weed kill. The flexibility afforded by the soft brushes also makes the sprayer suitable for use in young plants where an optional vinyl slip on cover is recommended to protect the sensitive stems from chemical contact.

Available in HiFlo and CDA options, the Undavina can be supplied in 10", 16", 24" and 36" diameters to suit the row spacing or treatment width required.

Optional vinyl brush cover available for added protection.

Model	Spray Width	Rate USG/Acre	Wt (lbs)
Undavina 250 HiFlo	10"	10 - 50	33
Undavina 250 CDA	10"	2 - 8	33
Undavina 400 HiFlo	16"	10 - 50	37
Undavina 400 CDA	16"	2 - 8	37
Undavina 600 HiFlo	24"	10 - 50	40
Undavina 600 CDA	24"	2 - 8	40
Undavina 900 HiFlo	36"	10 - 50	42
Undavina 900 CDA	36"	20 - 50	42

## Spraydome Circular Shield Spray Extensions



Incorporating a flexible plastic dome to fully contain spray, circular Spraydome models are ideal for applications where chemical contact with the crop is not desired. In addition to providing a physical barrier to the spray, the hard wearing shields offer durability and longevity in application and make the sprayer particularly suited for more demanding spraying tasks including weed control round trees as well as amenity areas such as fence lines, footpaths and along buildings. Sprayer can also be used for field margin demarcation and agricultural trial plots.

Available in 16", 24", 40" and 48" diameters, all of which can be fitted with either Micron CDA or HiFlo systems.

Model	Spray Width	Rate Gal/Acre	Wt lbs
Spraydome 400 HiFlo	16"	10 - 50	37
Spraydome 400 CDA	16"	2 - 8	37
Spraydome 600 HiFlo	24"	10 - 50	40
Spraydome 600 CDA	24"	2 - 8	40
Spraydome 1000 HiFlo	40"	10 - 50	53
Spraydome 1000 CDA	40"	2 - 5	53
Spraydome 1200 HiFlo	48"	10 - 50	80
Spraydome 1200 CDA	48"	2 - 4	80

SPRAYER

# ENVIROMIST SPRAYERS

## Varidome Shielded Row Crop in-Row Sprayer

*Specifically designed for eradicating weeds growing in between the rows, Varidome can be used in a wide variety of crops.*



The sprayer is available in up to 40' working widths. The 10 foot S1 is available HiFlo or CDA. Larger models are fitted with hydraulic pressure nozzles. Shields are mounted on individually floating carriages to minimise drift.

Four types of oval shields are available. Rotating circular shields may also be used along bed sides or wherever breakaway is required. Optional dual spray system allows application of one product in between rows and different product directly over the row.

SPRAYER

Model	Total Spray Width	Rate (gal/acre)	Implement Requirements	Mount	HP Req.
Varidome S1	up to 10'	CDA:2-5 HF:10-50	12v 3A 1 hydraulic service	3-pt Cat 2 front/rear	50
Varidome S3	up to 20'	10-50	12v 3A power; 3 hydraulic services	3-pt Cat 2 front/rear	100
Varidome S5	up to 30'	10-50	12v 3A power 3 hydraulic services	3-pt Cat 2 front/rear	120
Varidome S7	up to 40'	10-50	12v 3A power; 3 hydraulic services	3-pt Cat 2 front/rear	180
Shield	In-row Width	Rate (gal/acre)	Spray System	Carriage	Toolbar
Varidome 80	3 - 32"	2-5	CDA atomiser	LW	S1
Varidome 130	5 - 32"	2-5	CDA atomiser	LW	S1
Varidome 170	7 - 28"	10-50	Hyd. nozzle	LW/HD	S1-S7
Varidome 100	4 - 18"	10-50	Hyd. nozzle	LW/HD	S1-S7
Varidome 250	10"	10-50	Hyd. nozzle	LW/HD	S1-S7
Varidome 400	16"	10-50	Hyd. nozzle	LW/HD	S1-S7
Varidome 600	24"	10-50	Hyd. nozzle	LW/HD	S1-S7



# ENVIROMIST SPRAYERS

## 60L and 80L ATV Mount Tank System

- Available in 60 or 80 litre capacity, the MicronTank System can help increase the productivity of your spraying operation and reduce the time spent at the refill point.
- 3.5L Flush tank provides ample liquid for the lines to be thoroughly cleansed of chemicals. It's quick, simple, effortless, and allows you to quickly get on with more profitable tasks.
- Remco Pump for reliable performance
- Unit can deliver up to 300 liters per hour - sufficient capacity for spot spraying, low volume and CDA use. The pump is housed for maximum protection, yet still easily accessible for maintenance.
- Designed for practicality, durability and comfort
- Molded from heavy duty plastic for a maintenance free long life. Designed to shape around the driver for greater comfort. The overall design achieves capacity yet keeps a low, sleek profile.
- Fits most ATV and UTV models
- The tank is light and easy to handle and can be quickly mounted or removed. Coupling to a sprayer unit is simple.



# PROJET SPRAYERS

## Compact Air Control Pull-Type Airblast Sprayer



- 286 to 858 gallon poly tank.
- Rinse tank and hand wash tank.
- External sight gauge.
- Double brass spray nozzles.
- Two speed fan with adjustable pitch blades.
- Two fans: one with reverse rotation.
- Adjustable width axles.
- Electric spray control.

Model	Tank (Gal)	HP	Fan Dia	Nozzles	⚙️	Spray Distance	Wt (lbs)
660	156	50-65	28"	12	2	15 ft	1210
880	208	55-65	28"	12	2	15 ft	1364
1100	260	65-70	28"	12	2	18 ft	1562
1650	390	70-80	32"	14	2	18 ft	1716
2200	520	75-85	32"	14	2	18 ft	2046

## Compact Control Pull-Type Airblast Sprayer

- 170 to 850 gallon poly tank
- Rinse tank and hand wash tank
- External sight gauge
- Double brass spray nozzles
- Two speed fan with adjustable pitch blades
- Adjustable width axles.
- Electric controlled spray
- Air shutoff caps to direct air flow.



Model	Tank (Gal)	HP	Fan Dia	Nozzles	⚙️	Spray Distance	Wt (lbs)
660	156	30-40	28"	10	2	15 ft	1210
880	208	30-40	28"	10	2	15 ft	1364
1100	260	40-50	32"	12	2	22 ft	1518
1650	390	50-70	32"	12	2	22 ft	1650
2200	520	70-80	35"	12	2	22 ft	1716
3300	780	80-90	35"	12	2	22 ft	2046

# PROJET SPRAYERS

## Compact Bi Control Pull-Type Airblast Sprayer

- Polyethylene main tank, rinse tank, and hand wash tank
- External tank and oil site gauges
- Painted steel frame with height & width adjustable axles. Parking stand and tail lights standard.
- No-drip nozzles
- Two speed gearbox with neutral.
- Two variable pitch fans with clutch. One has reverse rotation.
- On-off electric control
- Double Jet agitator
- Pumps available from 16 to 36 gpm with spray pressure 10 to 736 psi



Model	Tank (Gal)	HP	Fan Dia	Nozzles	⚙️	Spray Distance	Wt (lbs)
1100	260	65-75	32"	14	2	33 ft	1320
1650	390	70-80	32"	14	2	33 ft	1628
2200	520	75-85	32"	14	2	33 ft	1760
3300	780	100	35"	14	2	40 ft	2156

## Mix Control Sprayer

- Single & two speed gearbox
- Adjustable pitch fan blades
- Choice of 28", 32", & 36" fans.
- 10 year warranty on poly tank
- Rinse tank and hand wash tank.
- Jet agitation.
- Double brass nozzles.
- Optional mixing basket.



Model	Tank (Gal)	HP	Fan Dia	Nozzles	⚙️	Spray Distance	Wt (lbs)
330	78	25-30	28"	10	1	11-15 ft	396
440	104	30-35	28"	10	1	11-15 ft	407
660	156	40-50	28"	10	2	11-15 ft	590
880	208	70-75	32"	12	2	16-17 ft	688
1100	260	85-90	35"	14	2	20 ft	739

# PROJET SPRAYERS

## Mix Venturi Sprayer

The ProJet Mix sprayer features a 20" fan with clutch assembly, capable of delivering 9000 cubic feet a minute of air volume for even coverage.

It has a polyethylene tank, available in 80-160 Gallon capacities with a 10 year warranty. Tanks have an external fill indicator. Separate circuit and hand wash tanks are also included.

Two speed gearbox allows you to choose the right air volume for your conditions.

Designed for 3 pt mounting for 50-65 horsepower tractors.



Model	Tank (Gal)	HP	Fan Dia	⚙️	Wt (lbs)
440	105	55-60	20"	2	500
660	156	60-65	20"	2	545

## Star Mixer Airblast Sprayer



The ProJet Star Mixer is a three-point mount sprayer designed for use with 20-40 hp tractors. The polyethylene tanks are available in 50-105 Gallon capacities and feature hydraulic agitators and external fill indicators. It also has a cleaning tank, as well as a hand-wash tank.

A Large 20" nylon fan is driven by your 540 rpm PTO. It has 12 blades and delivers 15,000 cfm of air volume.

The ProJet Star Mixer has ten no-drip brass dual nozzle assemblies. Other plumbing features include pressure regulator valve with adjustable 3-way distributor.

Model	Tank (Gal)	HP	Fan Dia	Nozzles	⚙️	Spray Distance	Wt (lbs)
220	52	25-30	22"	10	1	10 ft	455
330	78	25-30	22"	10	1	10 ft	500
440	104	30-40	22"	10	1	10 ft	521

SPRAYER

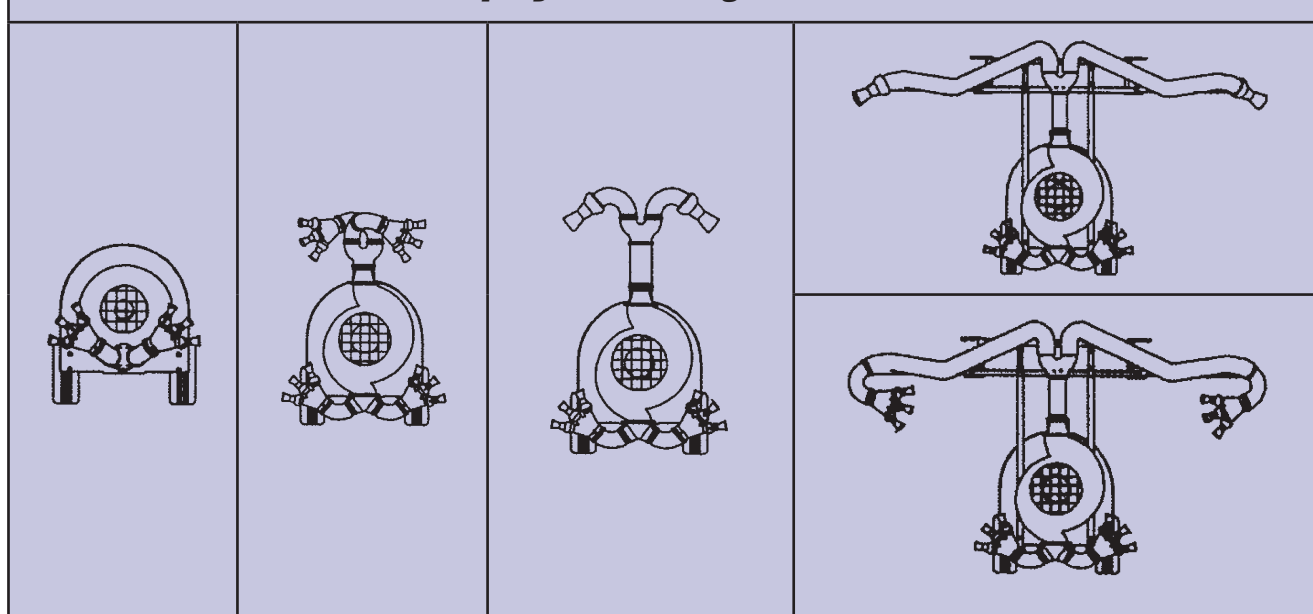
# PROJET SPRAYERS

## Compact Venturi Pull-Type Sprayer



- Polyethylene main tank with 10 yr warranty. Hand-wash and rinse tank standard.
- External tank and oil sight gauge.
- Painted steel frame with parking stand. Axles are adjustable for both height and width, and wheel tongue jack is standard on 1650/2200
- Double jet agitator, self-filling intake filter, and fully adjustable nozzles.
- Centrifugal fan with clutch driven by two speed overdrive gear.
- On-off electrical control
- Light Kit

### Spray Head Configurations



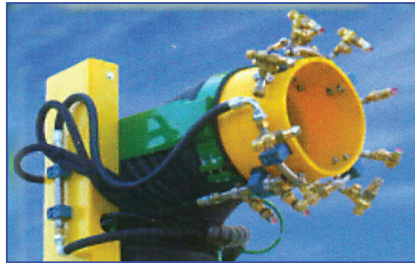
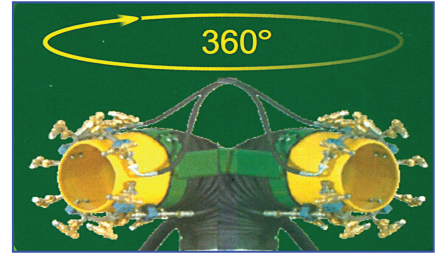
Model	Tank (Gal)	HP	Fan Dia	⚙️	Wt (lbs)
660	156	45-55	20"	2	968
880	208	50-60	20"	2	979
1100	260	60-70	20"	2	1210
1650	390	70-75	20"	2	1518
2200	520	80-90	20"	2	1716

# PROJET SPRAYERS

## Turbo Mix Flex Cannon Sprayer

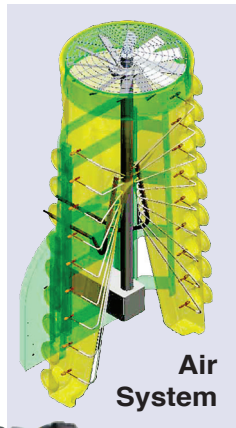


- Up to 109 feet horizontal spray
- Up to 108 feet vertical spray
- 18" double vane fan
- Two Speed Gearbox
- No drip nozzles
- Jet agitator



Model	Tank (Gal)	HP	Nozzles	Horz.	Vert.	Wt (lbs)
440	104	50-60	10	66 - 70'	50 - 60'	1018
660	156	50-70	10	66 - 70'	50 - 60'	1200
880	208	60-70	10	66 - 70'	50 - 60'	1225
1100	260	70-90	10	66 - 70'	50 - 60'	1243

## Compact Air System Airblast Sprayer for Small Trees and Vineyard



- Polyethylene tank with 10-year warranty. Polyethylene hand wash and rinse tank are standard.
- External tank and oil level site gauges
- Painted steel frame with height and width adjustable axles. Parking stands, front and rear, and tail lights standard.
- Patented 'air system' fan with 9 outlets per side
- Two speed reverse gearbox.
- 32" fan with twelve variable pitch fan blades
- On-off Electric Controls.
- Four closing caps.
- Double jet agitators on 1650-3300

Model	Gal	HP	Noz-zles	Fan Dia	Spray Dist.	Wt (lbs)
1100	260	60-80	9+9	32"	26-33'	1320
1650	390	60-80	9+9	32"	26-33'	1628
2200	520	80-100	9+9	32"	33-39'	1826
3300	780	80-100	9+9	32"	33-39'	2156

SPRAYER

# FALC POWER HARROW

## Magnum Power Harrow



**Packer Roller Option**



**Cage Roller option**

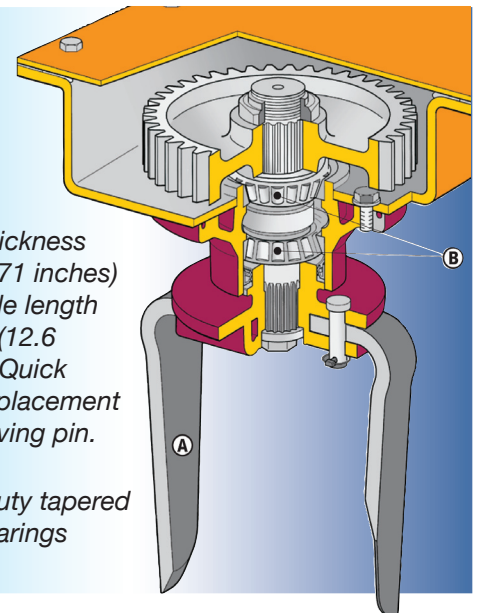
### Standard Equipment:

- 1000 rpm pto gearbox with rear pto
- Manual change gears 365 rpm standard
- PTO shaft with torque limiter. Model 3000 yoke: 1-3/8 x 6z; Models 3500-5000 yoke 1-3/8" x 21z
- Front tube 80 x 120 x 6 for extra strength and optional track eliminator
- Rear leveling bar
- Round blade support to accept optional stone guards.

### Magnum Rotary Blade

A. Blade thickness 18mm (.71 inches) and blade length 320mm (12.6 inches). Quick blade replacement by removing pin.

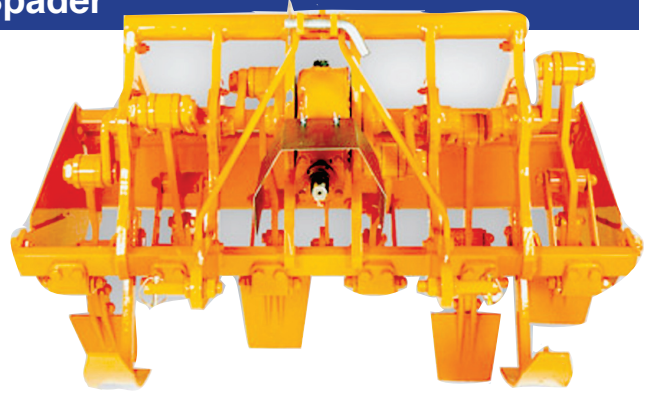
B. Heavy duty tapered roller bearings



Model	Width (inches)	No. of Rotors	HP	Wt (lbs)
3000	122	12	100-240	3814
3500	142	14	120-240	4453
4000	161	16	130-240	5093
4500	181	18	150-240	5732
5000	200	20	160-240	6371

# FALC SPADERS

## Panda Spader



Gearbox model M5.75 - 540 RPM

Pos	Gear Ratio			
	1	○16	○15	○14
2	●13	●14	●15	●16
rpm	114	130	150	172

- 35 to 58 inch working width
- 4 Speed Gearbox
- For 20 - 35 horsepower Tractors
- PTO shaft Less clutch
- Cage Protection

**Tractor must be equipped with creeper gear.**

Model No.	Width (in.)	No. of Spades	Digging Depth	HP	Wt (lbs)
1000	35.4	4	8 in.	20-35	495
1300	51	6	8 in.	20-35	682
1500	58	6	8 in.	20-35	724

### Optional Equipment:

PTO shaft with clutch

- The work of the “Mechanical DIGGING MACHINE” is the same as “old hand digging”: penetration, tear, throwing.
- The DIGGING MACHINE does not cause the formation of a smooth, compacted and impermeable layer as with ploughing. It leaves the ground broken, friable and permeable.
- Fertility of soil is improved with the DIGGING MACHINE because organic or chemical fertiliser is more fully mixed in the soil; because it encourages the decomposition of harvest residuals; because it assures better oxygenation of all the worked soil; because it improves the population of micro-organisms, indispensable to the transformation of organic substances.
- The physical-chemical structure of the soil is improved with the DIGGING MACHINE so that yields increase.
- The motion of the components of the DIGGING MACHINE giving penetration, tear, throwing allows working in the most difficult soils and in the most arduous conditions. Its use is possible in very wet soils. Without smearing, the DIGGING MACHINE is the only implement that allows working wet soil - even when water covers the surface.

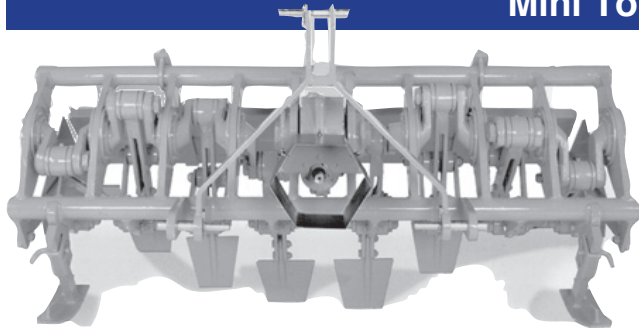
It is also ideal for working hard, dry soils to form ideal size clods - much smaller than those left by ploughing, so allowing easier following soil preparation ready for sowing.

- Using the DIGGING MACHINE, working times are reduced, less wear and tear on the tractor. The DIGGING MACHINE requires no effort of traction so eliminating slip of the tractor wheels. Less horsepower is required - A 80 HP tractor for example can operate up to 3 metres width.
- DIGGING MACHINES are ideal for vegetable fields, nursery fields, green houses, olive groves, vineyards, large fields, when it is not possible to work the soil by other equipments.



# FALC SPADERS

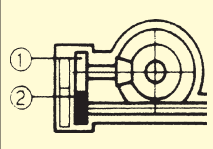
## Mini Toro Spader



- 40 to 80 inch working width
- 4 Speed Gearbox
- For 30-60 horsepower Tractors
- PTO shaft with clutch
- Cage Protection

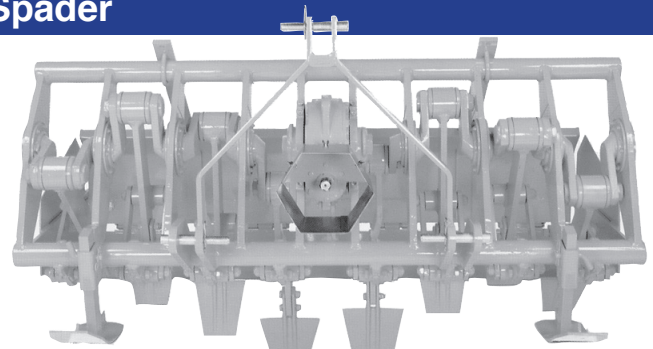


*Tractor must be equipped with creeper gear*

Gearbox model M6.25 - 540 RPM					
	Pos	Gear Ratio			
	1	○ 16	○ 15	○ 14	○ 13
2	● 13	● 14	● 15	● 16	
	rpm	120	140	160	180

Model No.	Width (in.)	No of Spades	Digging Depth	HP	Wt (lbs)
1000	39.5	4	10 in.	30-60	836
1200	46.0"	4	10 in.	30-60	869
1300	55.6	6	10 in.	40-60	1056
1500	59.4	6	10 in.	40-60	1100
1700	66.4	6	10 in.	45-60	1144
1800	71.6	8	10 in.	50-60	1298
2000	76.9	8	10 in.	50-60	1342

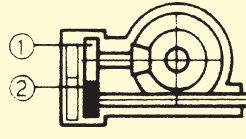
## Toro Spader



- 50 to 98 inch working width
- For 40-90 horsepower Tractors
- 3 Speed Ranges: 120, 140, & 160 rpm.
- External flanges and cage protection are standard.
- PTO shaft with clutch

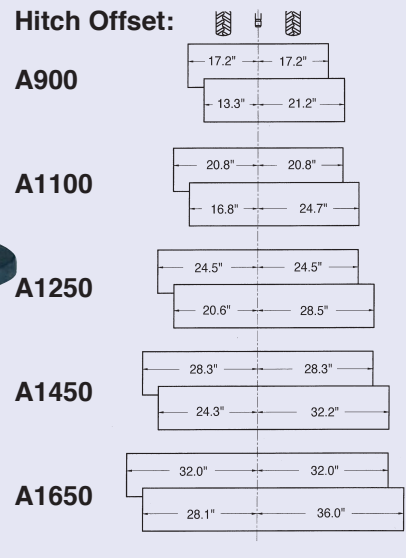
*Tractor must be equipped with creeper gear*

Model No.	Width (in.)	No. of Spades	Digging Depth	HP	Wt (lbs)
1500	59.2	6	14 in.	40-90	1485
1700	66.1	6	14 in.	45-90	1562
1800	71.5	8	14 in.	60-90	1826
2000	77.0	8	14 in.	60-90	1936
2200	87.0	10	14 in.	70-90	2376
2500	97.6	10	14 in.	70-90	2464

Gearbox model M6.25 - 540 RPM					
	Pos	Gear Ratio			
	1	○ 16	○ 15	○ 14	
2	● 14	● 15	● 15		
	rpm	120	140	160	

# FALC ROTARY TILLERS

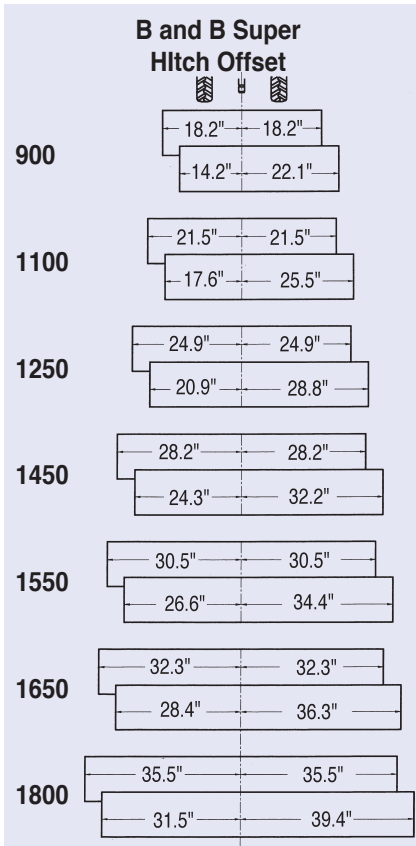
## Model A Rotary Tiller



Model	Description	Weight	Blades
A 900	36" Till Width	352	20
A 1100	44" Till Width	374	24
A 1250	50" Till Width	396	28
A 1450	58" Till Width	418	32
A 1650	66" Till Width	440	36

- 30 hp max.
- 540 rpm pto with shear bolt protection
- Low maintenance chain side drive.
- Single speed gearbox; Rotor speed is 312 rpm
- 4 blades per flange
- Depth control skids.

## Model B and B Super Rotary Tiller



Model	Width	Blades	Wt
B900	36"	20	430
B1100	44"	24	494
B1250	50"	28	516
B1250 Super		42	539
B1450	58"	32	542
B1450 Super		48	561
B1550	62"	36	586
B1550 Super		54	605
B1650	66"	36	608
B1650 Super		54	638
B1800 Super	72"	60	660

**Features:**

- For 20 - 50 hp tractors.
- Model B: 4 blades/flange
- Model B Super: 6 blades/flange.
- 540 rpm pto w/ shear bolt
- Rotor speed; 250 rpm.
- Single speed gearbox and chain side drive.
- Depth control skids standard.

TILLAGE

# FALC ROTARY TILLERS

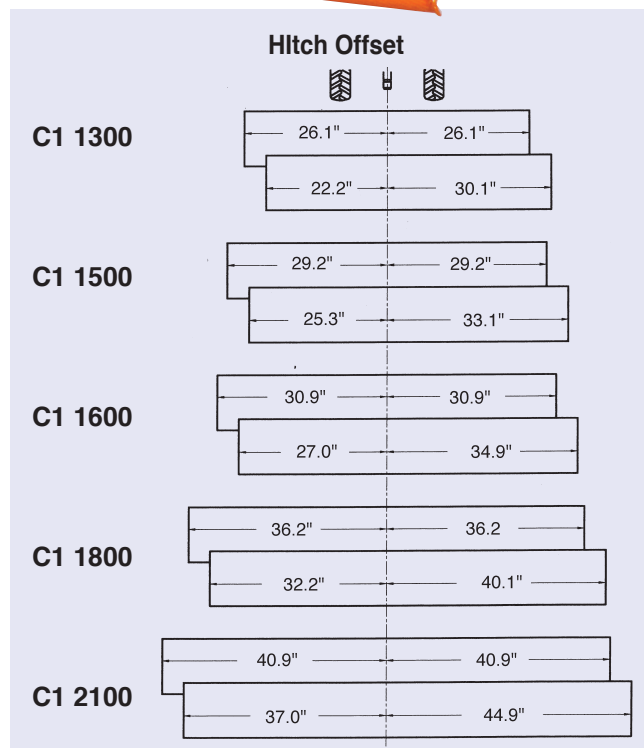
## Model C Super Rotary Tiller



### Standard Equipment:

- For 40 to 70 hp tractors
- Gear side drive
- 540 rpm pto with slip clutch protection. Rotor rpm: 206
- Single or Four speed gearbox
- Six blades per flange.
- Depth control skids.

Model	Description	Wt (lbs)	Blades
CS1300	Rotary Tiller; 52" till width.	836	30
CS1500	Rotary Tiller; 58" till width.	880	36
CS1600	Rotary Tiller; 62" till width.	924	36
CS1800	Rotary Tiller; 72" till width.	990	42
CS2100	Rotary Tiller, 82" till width.	1080	48



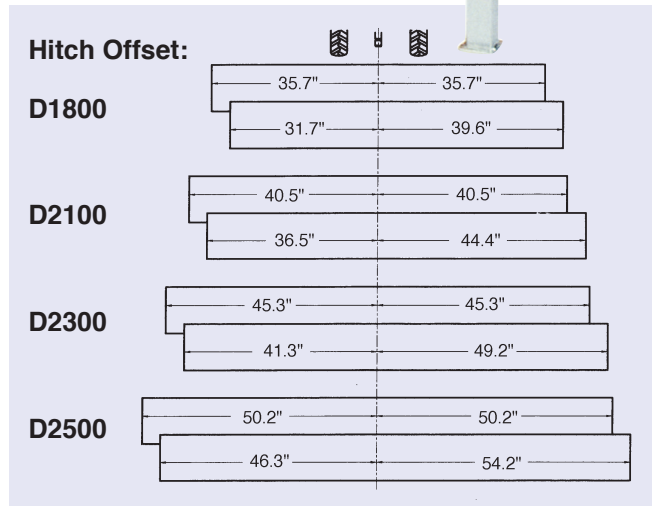
TILLAGE

# FALC ROTARY TILLERS

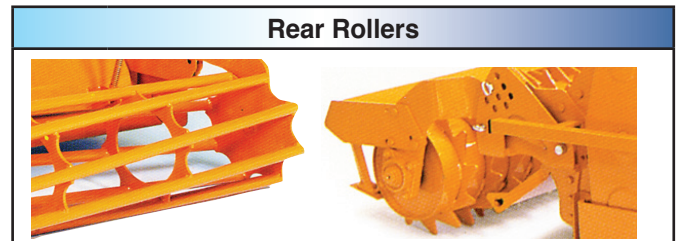
## Model D Rotary Tiller



- For 60-100 hp tractors
- D4- 4 speed gearbox.
- Gear side drive.
- Standard pto w/ slip clutch and depth control skids
- 6 blades per flange
- Rotor rpm: D4- 169, 195, 238, and 276.



Gear Ratios						
	on request					
<b>1</b>	18	19	21	23	17	16
<b>2</b>	23	21	19	18	28	25
<b>rpm (540 pto)</b>	169	195*	238	276	-	-
<b>rpm (1000 pto)</b>	313	361	-	-	242	255



### Rear Rollers

#### Tube Type Rear Cage Rollers:

<b>80032</b>	Tube type cage roller 62" fits 1600	271 lbs
<b>80028</b>	Tube type cage roller 72" fits 1800	282 lbs
<b>80029</b>	Tube type cage roller 80" fits 2100	293 lbs
<b>80030</b>	Tube type cage roller 90" fits 2300	304 lbs
<b>80031</b>	Tube type cage roller 100" fits 2500	315 lbs

#### 18" Packer Type Cage Rollers:

<b>80244</b>	Packer type cage roller 62" fits 1600	513 lbs
<b>80240</b>	Packer type cage roller 72" fits 1800	579 lbs
<b>80241</b>	Packer type cage roller 80" fits 2100	623 lbs
<b>80242</b>	Packer type cage roller 90" fits 2300	667 lbs
<b>80243</b>	Packer type cage roller 100" fits 2500	711 lbs

Model	Till Width	Gearbox	Weight	No of Blades
<b>D4-1600</b>	62"	4 speed	1188 lbs	36
<b>D4-1800</b>	72"	4 speed	1298 lbs	42
<b>D4-2100</b>	80"	4 speed	1408 lbs	48
<b>D4-2300</b>	90"	4 speed	1540 lbs	54
<b>D4-2500</b>	100"	4 speed	1631 lbs	60
Options				
<b>81128</b>	Pair- depth control wheels w/ mounting brackets		205 lbs	

# FALC ROTARY TILLERS

## Model EL Rotary Tiller



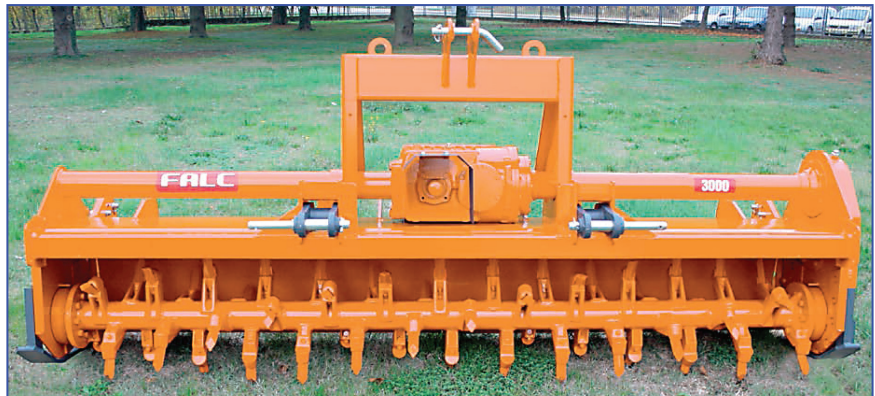
- For 60 - 120 hp tractors
- 540 or 1000 rpm PTO
- 2 speed gearbox (1 only on 1000 rpm pto).
- Category II hitch
- Standard PTO with slip clutch.
- Spike-type rotor and straight-blade rotors available.

Gear Ratios								
on request								
<b>1</b>	27	29	24	32	22	34	21	35
<b>2</b>	29	27	32	24	34	22	35	21
<b>rpm: 540 pto</b>	208	240	168	298	-	345	-	373
<b>rpm: 1000 pto</b>	386	-	310	-	267	-	249	-

Model	Till Width	Wt (lbs)	Blades
<b>EL2500</b>	103"	1995	60
<b>EL3000</b>	123"	2260	72
Options			
<b>262173</b>	EL3000 pair of trailing board extensions		
<b>263109</b>	EL3000 kit, front dirt shield		
Rear Rollers			
<b>697079</b>	Smooth roller; EL3000		
<b>80033</b>	Tube type cage roller 103". Fits EL2500		
<b>80034</b>	Tube type cage roller 123". Fits EL3000		

## Model FL Rotary Tiller

- For 80 - 140 HP Tractors
- 1000 RPM PTO
- Gearbox with interchangeable gears.
- Gear side drive.
- Category II hitch
- PTO shaft with torque limiter
- Spike-type rotor and straight-blade rotors available.



Gear Ratios				
on request				
<b>1</b>	24	27	26	21
<b>2</b>	37	34	35	40
<b>rpm: 1000 pto</b>	268	329	307-	217

Model	Till Width	Wt (lbs)	Blades
<b>FL3000TK</b>	123" working width	2646	60
Options			
<b>81129</b>	Depth control wheels (pr)	286	
<b>81135</b>	Pair- depth control skids		
Tube Type Rear Cage Rollers:			
<b>80529</b>	Tube type cage roller	462	
18" Packer Type Rollers:			
<b>80229</b>	Packer type roller	748	

TILLAGE

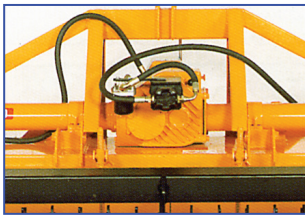
# FALC ROTARY TILLERS

## Model GL & GSL Tiller



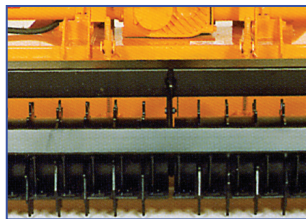
### Standard Equipment:

- For 120 - 220 horsepower tractors.
- 1000 rpm pto w/ torque limiter
- Single speed gearbox. Alternate gear ratios available on request.
- Oil cooler std 4000-4500, optional on 3000-3500.
- Category II/III hitch



### Oil Cooler

Oil cooler kit is standard on 4000 and 4500. Optional oil cooler kit available for 3000 and 3500.

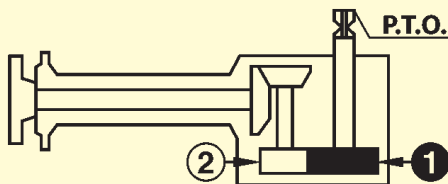


### Rear Roller

Shown here is optional 18" packer roller. 22" packer roller and tube-type cage rollers are also available

Model	Description	Weight (lbs.)	No of Blades
GL3000	122" Rotary Tiller	3263	72
GL3500	142" Rotary Tiller	3715	84
GSL4000	162" Rotary Tiller	4277	96
GSL4500	182" Rotary Tiller	4674	108
Options			
81129	Pair- depth control wheels	286	
81135	Pair- depth control skids		
	Oil Cooler Kit for G2500/GL3500. Installed.		
Tube Type Rear Cage Rollers:			
80529	Tube cage roller 122"	462	
80530	Tube cage roller 142"	528	
80517	Tube cage roller 162"	836	
80518	Tube cage roller 182"	924	
18" Packer Type Cage Rollers:			
80229	18" Diameter packer roller 122"	748	
22" Packer Type Rollers:			
80734	22" Diameter packer roller 122"	1078	
80735	22" Diameter packer type roller 142"	1188	
80724	22" Diameter packer type roller 162"	1320	
80725	22" Diameter packer type roller 182"	1452	

### Gear Ratios

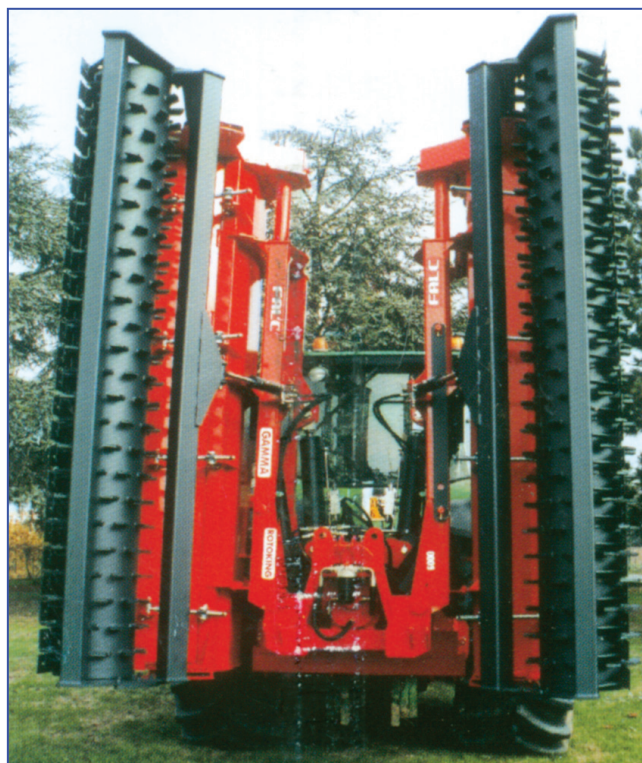


	Model GL				Model GSL		
<b>1</b>	27	30*	23*	21*	33	30*	27*
<b>2</b>	43	39*	46*	49*	36	39*	43*
rpm 1000 pto	290	355	307	217	248	248	203
*on request							

Spike type (Rotoking) & Straight blade type (Terraking) rotors Also available on Request. Call for info

# FALC ROTARY TILLERS

## Gamma Folding Tiller



### Standard Equipment:

- Rear trailing board extensions
- 380 HP rated, single speed gearbox with oil cooler
- Dual end drives
- 1000 rpm pto with torque limiter
- 330 rpm rotor
- Durafaced tiller blades; 6 blades per flange
- Quick hitch compatible Cat III hitch
- Also available with spike rotor.
- Double rotor flanges.

Model	Description	Wt (lbs)	Blades
Gamma 5000	Folding Tiller; 198" till width	9017	120
Gamma 6000	Folding Tiller; 237" till width	9899	144
Options			
80565	Tube type cage roller 212"		
80566	Tube type cage roller 252"		
80731	Packer roller 212"		
80732	Packer roller 252"		

TILLAGE

# FALC ROTARY TILLERS

## Kappa Tiller

*Dual rotor Kappa 6000, equipped with optional Rotoking spike rotor*



- For use with 190-300 hp Tractors
- 1000 rpm PTO with torque limiter
- 3-speed lever control gearbox. Rotor speeds - 246, 308, and 356 rpm.
- Cat III hitch & rear PTO
- Optional equipment includes depth control wheels, depth control skids, cage roller, and packer roller
- Spike-type rotor and straight-blade rotors available.
- Double wall rotor tube on 4000 & 4500.



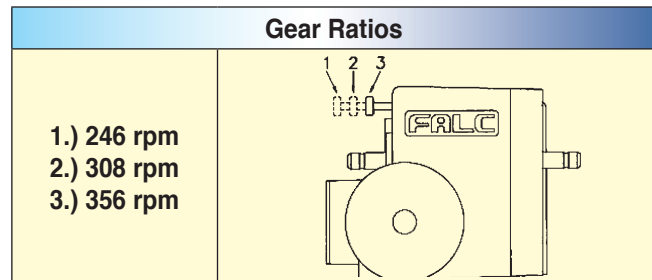
### Cage Roller

*Optional tube-type cage roller. Packer-type roller is also available.*



### Gearbox

*3-speed lever control gearbox for 1000 rpm pto. Oil cooler standard.*



### Gear Side Drive

*Low maintenance gear side drive. Kappa 6000 features dual drive.*



### Three-Point

*Category III Three point hitch is standard equipment.*

Model	Description	Wt (lbs)
Kappa 4000	Rotary Tiller; 162" till width	5798
Kappa 4500	Rotary Tiller; 182" till width	6547
Kappa 6000 DT/2	Rotary Tiller; 250" till width	7760

Options	
81129	Rubber depth wheels
80517	Tube type cage roller 162"
80518	Tube type cage roller 182"
80520	Tube type cage roller 250"
80724	22" diameter packer roller 162"
80725	22" diameter packer roller 182"
80727	22" diameter packer roller 250"

Spike type (Rotoking) & Straight blade type (Terraking) rotors Also available on Request. Call for info



# MASSANO TILLER BEDSHAPERS

## RSF Tiller/Bedshaper



- The soil carrying stones or vegetable debris strikes a vertical “comb” of spring steel tines where loose clean soil passes through while stones, root clumps, clods, etc. are screened out falling to the bottom of cut to be buried by clean soil.
- Reverse rotating tiller that works soil and throws dirt up over the tillers rotor to the rear.
- 80 inch width
- For 80-150 HP tractor

## Tiller/Bedshaper



- The soil carrying stones or vegetable debris strikes a vertical “comb” of spring steel tines where loose clean soil passes through while stones, root clumps, clods, etc. are screened out falling to the bottom of cut to be buried by clean soil.
- Reverse rotating tiller that works soil and throws dirt up over the tillers rotor to the rear.
- 3 x 80 inch width
- For 200-260 HP tractor

# PEPIN HARROW

## Heavy Duty “FB” Series Flexible Reversible Harrow

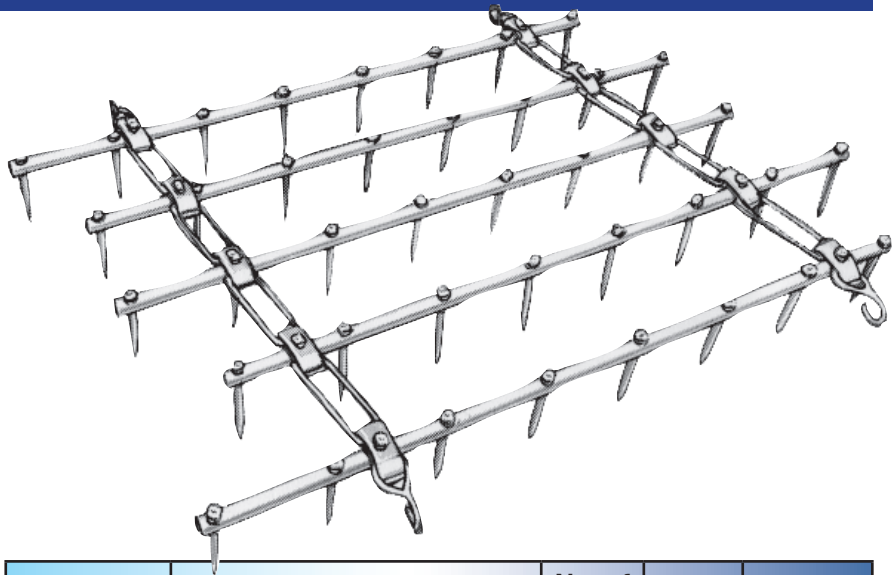
For trashy fields, pulverizing, cultivating, breaking up clods and destroying early weeds. Flexibility allows the individual tooth bars to pass over obstructions while the other bars stay on the ground. When drawn from the front, the teeth are vertical for cultivating and penetrating deep into the soil. When drawn from the rear, the tooth angle is preset for self cleaning and smoothing.

1 5/8” O.D. High carbon heavy duty pipe for greater strength at high speed tractor operation and cultivating.

**Connecting Links:** 9/16” Specially welded for strength and less wear.

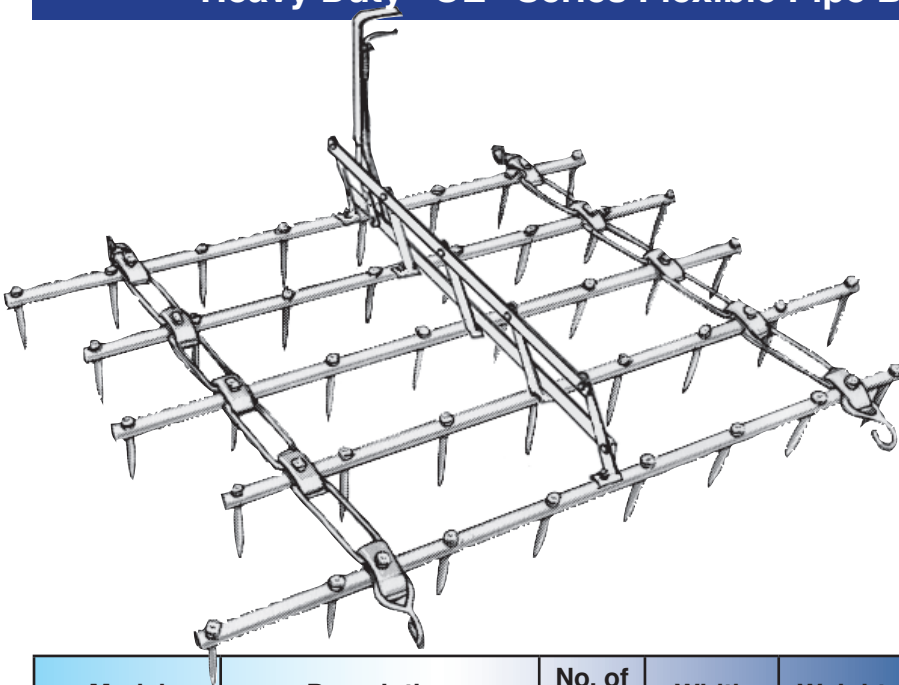
**Drawhooks:** 9/16” hooks open toward ground to stop unhooking during use.

**Teeth:** High carbon, hammer-forged to a diamond point, for hard use in all soil types. Cultivate, pulverize, smooth and break up crust and clods. Reversible and replaceable, teeth are locked on with a lock washer and nut.



Model	Description	No. of Teeth	Width	Weight
FB-5	Flexible-reversible harrow	40	5'	98 lbs.
FB-55-1/2	Flexible-reversible harrow	40	5-1/2'	100 lbs.
FB-645	Flexible-reversible harrow	45	6'	106 lbs.
FB-6-1/2	Flexible-reversible harrow	45	6-1/2'	111 lbs.
FB-7	Flexible-reversible harrow	50	7'	121 lbs.
FB-8	Flexible-reversible harrow	60	8'	138 lbs.

## Heavy Duty “OE” Series Flexible Pipe Bar Lever Harrow



Breaks up clods and crusts, pulverizes, smooths and cultivates; breaking up early weeds before they start to grow. Flexibility of the section permits it to pass over trash or rocks.

The exclusive lever design permits setting the teeth at any angle, yet allowing full flexibility in any position.

**Tooth Bars:** 1 5/8” O.D. High carbon steel pipe is extra strong and resistant to wear, for high speed harrowing.

**Connecting Links:** 9/16” Welded links for extra strength.

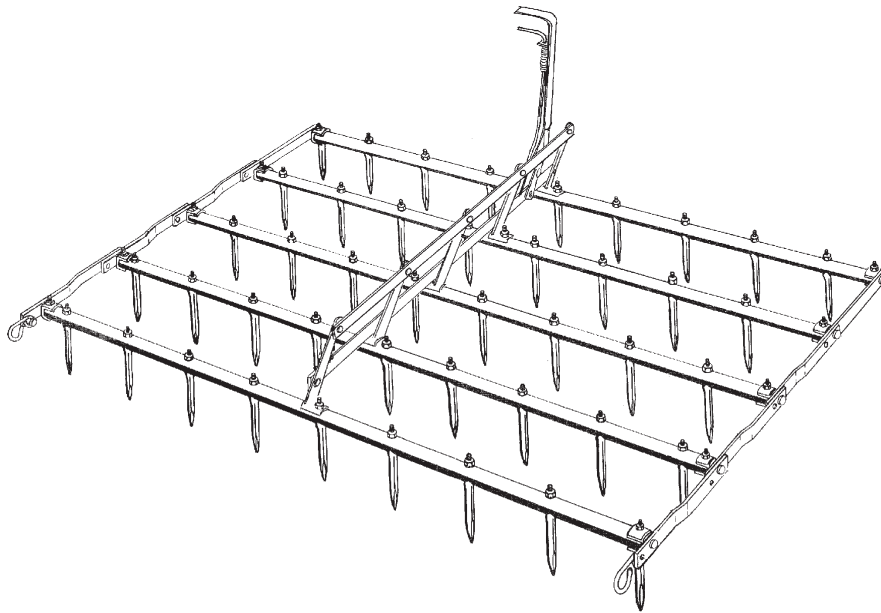
**Teeth:** High carbon, hammer-forged to a diamond point, for hard use in all soil types. Cultivate, pulverize, smooth and break up crust and clods. Reversible and replaceable, teeth are locked on with a lock washer and nut.

**Drawhooks:** 9/16” hooks open toward ground to stop unhooking during use.

Model	Description	No. of Teeth	Width	Weight
OE-55-1/2	Flexible lever harrow	40	5-1/2'	118 lbs.
OE-645	Flexible lever harrow	45	6'	122 lbs.
OE-6-1/2	Flexible lever harrow	45	6-1/2'	129 lbs.
OE-7	Flexible lever harrow	50	7'	137 lbs.

# PEPIN HARROW

## PB Series Heavy Duty Flexible/Rigid Pipe Bar Lever Harrow



PB series is a flexible or rigid harrow: two for the price of one. To make the harrow section rigid, simply insert six bolts (5/16" x 3/4") into holes in the side rails. The flexible harrow is designed to let more trash through, while the rigid harrow is better suited for leveling.

**Lever Assembly:** Exclusive lever design permits setting the teeth to the angle best suited to specific soil and crop conditions, while allowing full flexibility in any position. The lever folds flat for transport.

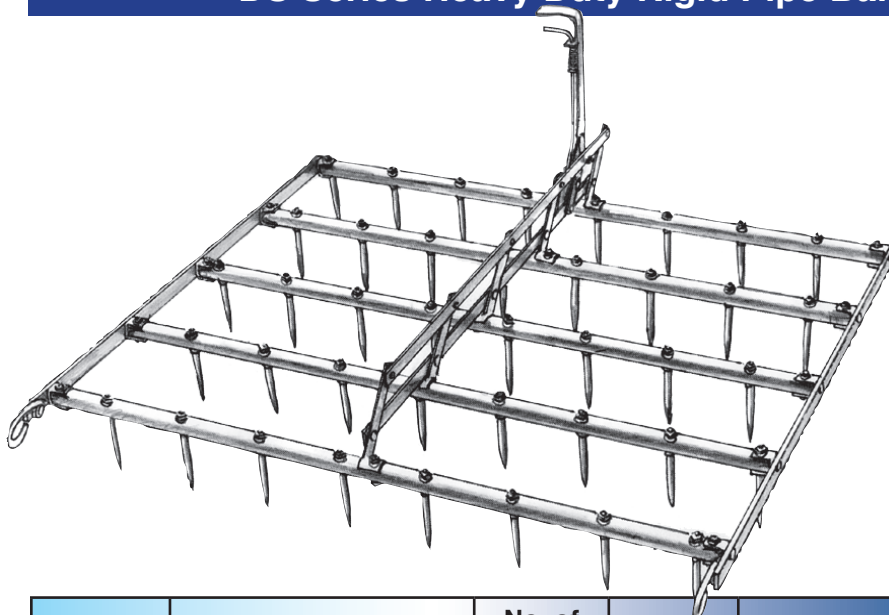
**Tooth Bars:** 1-5/8" O.D. High carbon heavy duty pipe for greater strength.

**Drawhooks:** 9/16" hooks open toward ground to stop unhooking during use.

**Teeth:** High carbon, hammer-forged to a diamond point, for hard use in all soil types. Cultivate, pulverize, smooth and break up crust and clods. Reversible and replaceable, teeth are locked on with a lock washer and nut.

Model	Description	No. of Teeth	Width	Weight
PB-55A	Flexible/rigid lever harrow	40	5'	107 lbs.
PB-5-1/2	Flexible/rigid lever harrow	43	5.1/2'	114 lbs.
PB-6	Flexible/rigid lever harrow	47	6'	120 lbs.
PB-7	Flexible/rigid lever harrow	55	7'	138 lbs.

## DS Series Heavy Duty Rigid Pipe Bar Lever Harrow



Cultivates and levels the ground better because of its design and rigidity. Side rails and lever assembly are made of high carbon material for extra rigidity.

**Tooth Bars:** 1 5/8" O.D. High carbon heavy duty pipe for greater strength at high speed tractor operation.

**Drawhooks:** 9/16" hooks open toward ground to stop unhooking during use.

**Teeth:** High carbon, hammer-forged to a diamond hard point, for hard use in all soil conditions to cultivate, pulverize, smooth and break up crust and clods. Each tooth is reversible and replaceable. Teeth are locked on with a lock washer and nut, and are guaranteed to outlast any other tooth of equal weight.

**Lever Assembly:** Tilts the teeth to the angle best suited to soil and crop conditions. The lever folds down flat for easy in handling and storage.

Model	Description	No. of Teeth	Width	Weight
DS-42	Rigid lever harrow	40	5'	109 lbs.
DS-43	Rigid lever harrow	43	5.5'	114 lbs.
DS-47	Rigid lever harrow	47	6'	120 lbs.
DS-51	Rigid lever harrow	51	6.5'	127 lbs.
DS-55	Rigid lever harrow	55	7'	137 lbs.

TILLAGE

# PEPIN HARROW

## Heavy Duty “R” Series Rigid Open End Lever Harrow

“R” Series harrows are designed for high speed harrowing and cultivating. Durable tooth bars are braced four ways to stay in position. Double adjustable bars add strength.

**Lever Assembly:** Tilts the teeth to the angle best suited to soil and crop conditions. The lever folds down flat for ease in handling and storage.

**Tooth Bars:** 1 5/8” O.D. High carbon steel pipe for extra strength and resistance to wear. Each bar is held firmly in position to assure every tooth is working the soil thoroughly.

**Drawhooks:** 9/16” hooks are designed with the open end toward the ground to reduce unhooking.

**Teeth:** High carbon, hammer-forged to a diamond point, for hard use in all soil types. Cultivate, pulverize, smooth and break up crust and clods. Reversible and replaceable, teeth are locked on with a lock washer and nut.



Model	Description	No. of Teeth	Width	Weight
R-550	Rigid heavy-duty lever harrow	40	5.5'	177 lbs.
R-600	Rigid heavy-duty lever harrow	40	6'	183 lbs.
R-700	Rigid heavy-duty lever harrow	50	7'	207 lbs.

## SQB Series Square Bar Lever Harrow



### Tooth Bars

2” Square high carbon, heavy wall tube for superior leveling action.

### Lever Assembly

High carbon double expanding bar for more strength.

### Draw Hooks

Pivoting draw hooks set up for even pulling and better leveling (keeps the front bar down).

### Teeth

High carbon hammer forged, diamond hard REPLACEABLE teeth pulverize and break up clods.

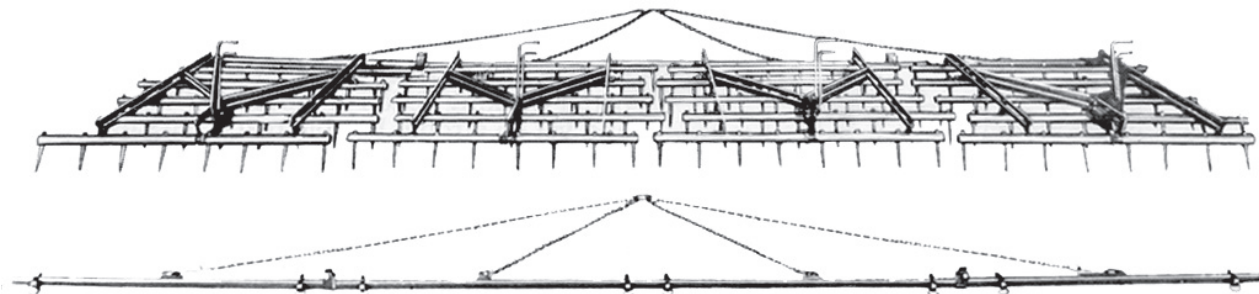
### Side Rails

3/8” thick, High carbon with unique off-set configuration to leave no ridges between harrow sections.

Model	Description	No. of Teeth	Width	Weight
SQB-5	Square bar lever harrow	39	5'	145 lbs.
SQB-6	Square bar lever harrow	45	6'	162 lbs.
SQB-7	Square bar lever harrow	55	7'	179 lbs.

# PEPIN HARROWS

## Straight And Folding Drawbars



Pictured: (at top) 21-4 CPT drawbar with Four R-55-1/2 harrow sections. (above) Chain type double hinge drawbar

**These combination folding or trailing drawbars with chain type hitches are the most versatile units you can buy. Here's why you get more performance per dollar when you buy a Pepin high speed drawbar:**



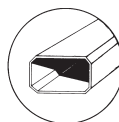
**Combination hinge:** Drawbar may be easily folded. Or, if you prefer, section may be trailed by removing one bolt to detach drawbar end.



**Adjustable take-up:** Durable coil change will never stretch or tangle. All chains may be adjusted for equal tension under all conditions.



**Section Clevis:** The clevis locks securely in any position of the drawbar. Fits all section widths.



**Tubular bar:** 1-1/2" x 2-1/2" bar is made from high carbon steel and features rounded corners.

Fits Sections	Harrow Description	Part Number	Length	No. of Sections	Weight
PB-55A DS-42 FB-55 FB-55-1/2 OE-55-1/2	For 5' closed or 5-1/2' open end harrow sections	**80-TC	10' 6"	2	35 lbs.
		**3-SC	15' 6"	3	57 lbs.
		163-C	15' 9"	3	57 lbs.
		214-C	21' 0"	4	85 lbs.
		265-C	26' 3"	5	116 lbs.
PB-5-1/2 DS-43 FB-645 OE-645	For 5-1/2' closed or 6' open end harrow sections	**86-TC	11' 6"	2	38 lbs.
		173-C	17' 3"	3	62 lbs.
		234-C	23' 0"	4	92 lbs.
		285-C	28' 9"	5	125 lbs.
PB-6 DS-47 FB-6-1/2 OE-6-1/2	For 6' closed or 6-1/2' open end harrow sections	**94-TC	12' 6"	2	40 lbs.
		183-C	18' 9"	3	68 lbs.
		254-C	25' 0"	4	99 lbs.
		315-C	31' 3"	5	137 lbs.
PB-6-1/2 DS-51 FB-7 OE-7 *R-700	For 6-1/2' closed or 7' open end harrow sections	**102-TC	13' 6"	2	45 lbs.
		193-C	20' 3"	3	75 lbs.
		274-C	27' 3"	4	107 lbs.
PB-7 DS-55	For 7' closed end harrow sections	**110-TC	14' 6"	2	53 lbs.
		213-C	21' 9"	3	85 lbs.
		294-C	29' 0"	4	124 lbs.

\*Recommend wheel type drawbars on 5 section \*\*Straight Drawbar only

# ROBOCROP SELF-GUIDED WEEDER

## Robocrop Erotor Camera-Guided Cultivator

The very latest in technology has enabled Garford to develop the Robocrop InRow Weeder eRotor.

The eRotor gives a huge increase in performance which facilitates accurate weeding of up to 6 plants per second per row.

The eRotor enables easy and quick conversion of different crop configurations. Robocrop is now available in front mount or three point rear mount.

The Robocrop image analysis system is now coupled to a direct acting rotor control system which controls rotor position so ensuring the weed cut is closer to the crop than ever before.

Speeds of 0.8 mph to 2.2 mph are common. The motor with integral planetary gearbox has enough torque to cut in the toughest of soil conditions. The units run maintenance free.



## Robocrop In-Row Weeder and Thinner



The Robocrop guidance system uses a digital video camera to analyze to find the position of the individual plants. This information is then utilized for lateral steering of the hoe and individual synchronization of the In-Row Weeder disc. Robocrop is programmed to constantly adjust the rotational speed of disc to suit the variability of plant spacing.

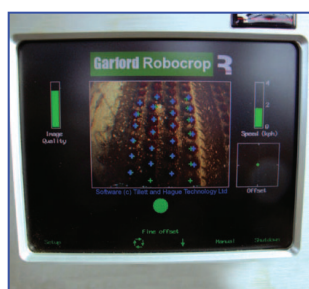
**Inter-row and InRow Implement:** Row following is maintained accurately within 10mm of detected plant foliage. Working depth is controlled via the parallel linkage wheel.

**Mechanical Design:** The In-Row Weeder system uses a special shaped disc rotating about an axis and set to cultivate at a shallow depth (typically 10 to 20mm) within the crop row. The crescent shaped disc arcs around the plants and then cuts in between the plants as it rotates around the axis.

The disc is coupled directly to a hydraulic motor which is driven via a proportional hydraulic valve controlled by the Robocrop computer.

**Performance:** A performance of up to 3 plants per second per row is achievable.

Farmers that use the Robocrop InRow Weeder have told us that they save ~\$100 per acre. That's money you're losing every year you're not using a Robocrop Weeder.



# ROBOCROP SELF-GUIDED WEEDER

## Robocrop Camera-Guided Hitch

Precision guidance for your row crop cultivator:

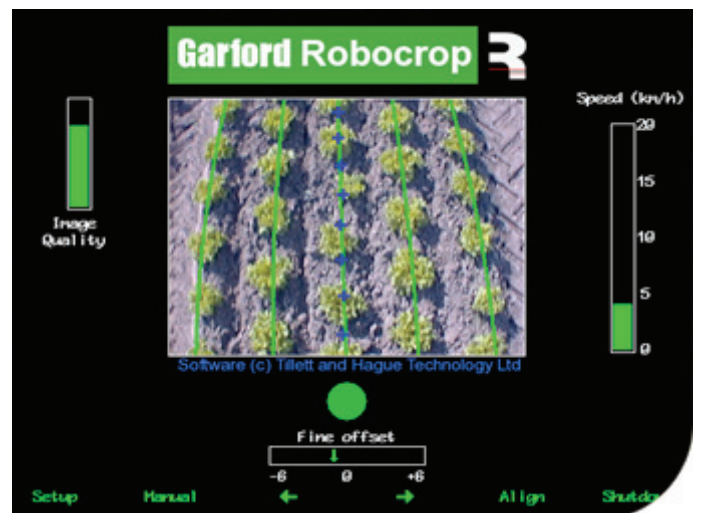
- High Accuracy
- High Work Rate
- Reduced Operator Fatigue
- Reduce Operating Costs

SCAN ME



Robocrop is designed for precision guidance at high speed in row crop cultivation. The crop is viewed by a digital camera and using state of the art machine vision, the control system precisely aligns the equipment with row centers via a hydraulic side shift.

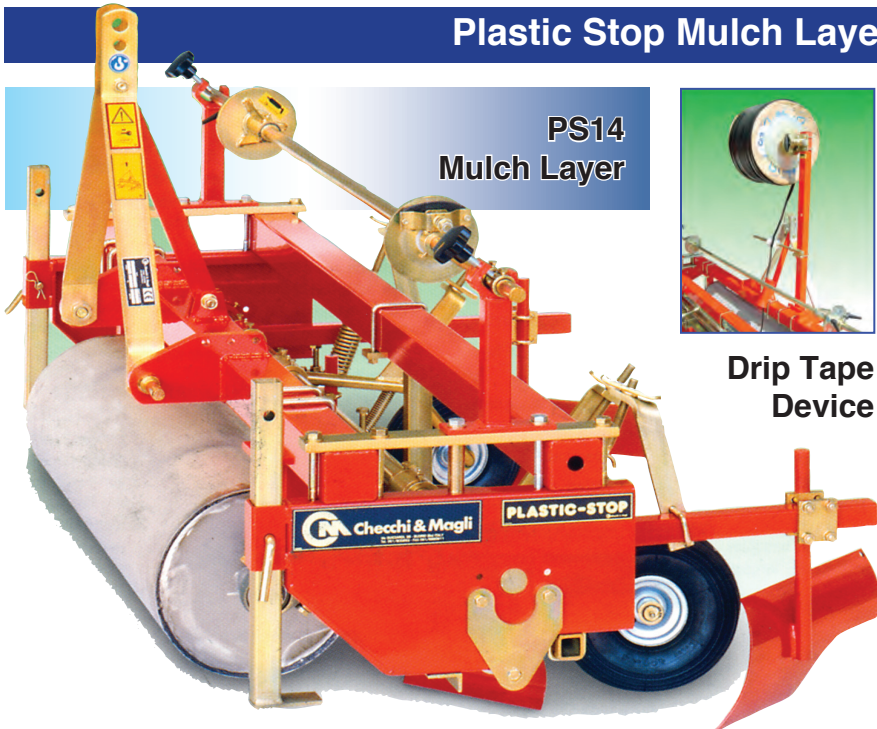
Robocrop's simple to use and rugged console lets you see how the computer locks onto the rows and is able to track them accurately even in poor crop conditions. Machines cope with high weed infestation because Robocrop looks at multiple rows.



TILLAGE

# CHECCHI & MAGLI TRANSPLANTERS

## Plastic Stop Mulch Layer



**PS14  
Mulch Layer**



**Drip Tape  
Device**



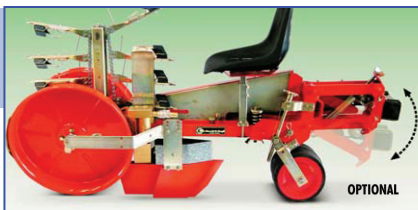
- 55" and 75" available widths.
- Stainless rear roller with adjustable roller width.
- Available front mounted rubber tire gauge wheels.
- Available bed maker allows you to simultaneously form bed and lay plastic mulch. Bed height from 4" to 12" and bed top from 18" to 34".
- 25 hp power requirement.

Model	Description	Wt
PS14S	Plastic Mulch Layer with stainless roller, for plastic up to 55" wide	583 lbs
PS14R	Plastic Mulch Layer, with rubber wheels, for plastic up to 55" wide	583 lbs
PS19S	Plastic Mulch Layer, stainless roller, for plastic up to 75" wide	693 lbs
PS19R	Plastic Mulch Layer, with rubber wheels, for plastic up to 75" wide	693 lbs

## Foxdrive Transplanter

The Foxdrive pocket planter handles bare roots, cuttings, and plugged plants. The plated roller chain provides smooth operation and uniform plant spacing.

The Foxdrive planter is especially desired when planting bare root plants or when the plants are of different heights, but all plants are to be the same distance above ground.



### Optional Parallel Linkage

Ensures horizontal attitude of transplanter chassis over uneven surfaces.

TRANSPLANT



# CHECCHI & MAGLI TRANSPLANTERS

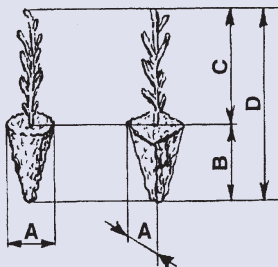
## Dual 12 Gold Transplanter

The Checchi & Magli Dual 12 is a top-quality rotary transplanter that allows a single operator to do the job of two. With a Dual 12, you can transplant two lines from just one row of transplanter. The staggered spacing between the two lines is adjustable from 12" to 20" and within each row, plant spacing is adjustable from 5.5" to 20" using the multi-sprocket drive wheel.

The Dual 12 Gold will accept plants rooted in conical or pyramidal shaped plugs. It is available with your choice of rotary or sloped tray holder. An automatic safety disengagement helps to prevent operator injury.

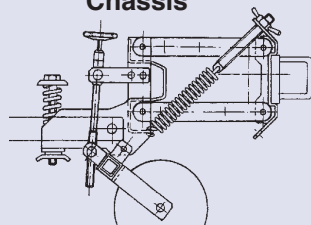


### Recommended Usage:



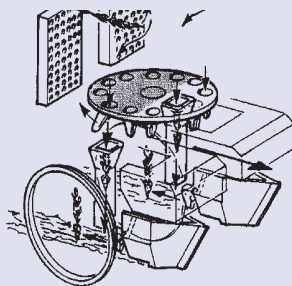
- A = 1/2" to 1-1/2"
- B = 1-1/2" to 2-3/4"
- C = 3" to 8"
- D = 4-3/4" to 10-1/2"

### Chassis



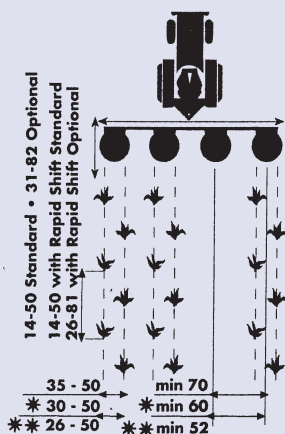
Independent floating row units. Parallel linkage chassis stays horizontal. Adjustable spring for packing wheel pressure. Cross-joint system allows independent floating of each plant line.

### Distributor



Horizontal rotating with 12 bottom-opening cups with staggered-row plant distribution.

### Plant Spacing (cm)



### Accessories



Part No.	Description
500428	Distributor Cup Extensions (set of 12)
510111	Kit to add 2nd seat to row unit
510096	Pair coulter discs to mount in front of runners
500032	Rotary tray holder
510099	Skid kit (pair)
510063	Spacing kit (3.9")
500718	Spacing kit (12"-30")
500883	Transverse tray holder 2.0 m
500884	Transverse tray holder 2.5 m
500885	Transverse tray holder 3.0 m
500886	Transverse tray holder 3.5 m
500887	Transverse tray holder 4.0 m
500385	Water Valve (per line)

# CHECCHI & MAGU TRANSPLANTERS

## Wolf Transplanter

The Wolf Transplanter is specially designed so it can plant in soil prepared with plastic mulch. Its rotating perforating cups smoothly pierce soil with or without plastic mulch and gently deposit young plants.

The Wolf will handle a wide range vegetables, flowers, nursery plants, and bulbs up to 2-3/8" across and up to 8-1/2" in height

Spacing is determined by a combination of the number of cups used and choice of ground drive sprockets. This allows enormous flexibility in plant spacing ranging from 7.9" to 76". Planting depth is adjusted by simply turning a hand crank. Wear parts are cadmium-plated for long life.

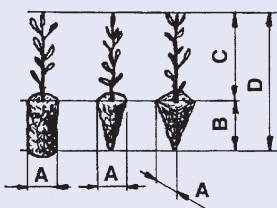


### Wolf Compact

Exactly the same as the Wolf, but with a distance between rows that can reach a minimum of 12"

This close inter-row distance makes it particularly suitable for transplanting 3 or 4 rows of salad on mulching film.

### Recommended Usage:



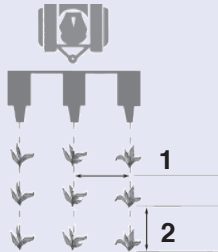
Conical or cylindrical with dia up to 6 cm

Cubic, from 3x3 to 4x4 cm with optional insert

Cubic, from 5x5 to 6x6 cm with optional. 6x6 cups

Bare root plants w/ suitable leaf system. bulbs & seeds up to 6cm

### Plant Spacing:



- 1** Row spacing  
Wolf :  
2 row: 12.5" - 35.5"  
3-6 row: 19.75"-35.5"
- 2** Spacing in-row  
All: 7.9" to 76"

- 2** Spacing in-row  
All: 7.9" to 76"

Mod.	1 cup	2 cup	3 cup	4 cup	5 cup	6 cup
	In-row plant spacing					
Wolf	48-78"	24-39"	16-26"	12-20"	10-15"	8-13"

### Accessories



Increases operator speed from 83 to 100 plants/minute.



For higher capacity than standard rotary tray holders

Part No.	Description
500279	Brush Kit
500251	Deep Cups Assembly
500405	Fast Wolf device
500280	Film Slide Wolf
500032	Rotary Tray Holder
500207	Transverse tray holder 2.0 m
500208	Transverse tray holder 2.5 m
500209	Transverse tray holder 3.0 m
500214	Transverse tray holder 3.5 m
500410	Transverse tray holder 4.0 m
500282	Water Valve

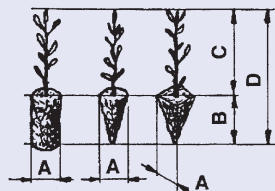
# CHECCHI & MAGLI TRANSPLANTERS

## Wolf B24/B27/B30/B40 Transplanters

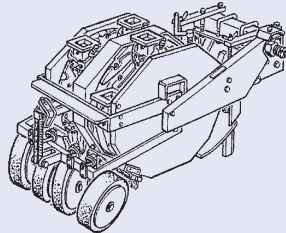
The B24 B27, B30, & B40 are the same as the Wolf, except that they plant two lines staggered on 24 cm (9.5"), 27 cm (10.6"), 30cm (11.8"), or 40cm (15.8") centers. This is ideal for crops that are planted two lines per bed.

Spacing is determined by a combination of number of cups and sprockets used on ground drive wheel. Planting depth is adjusted by turning a hand crank.

Standard equipment includes: rows of planter, tool bar with hitch, ground drive wheel and support wheels, plastic seats and sloped tray holders.

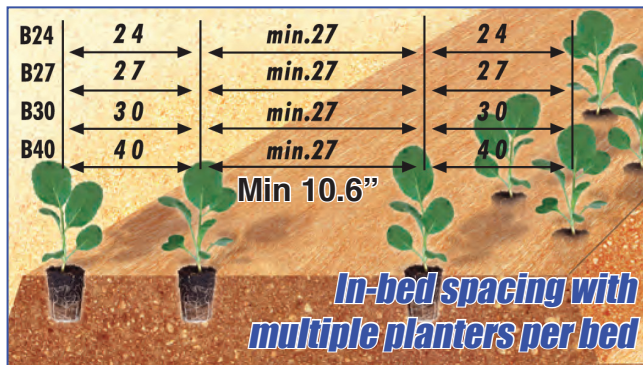
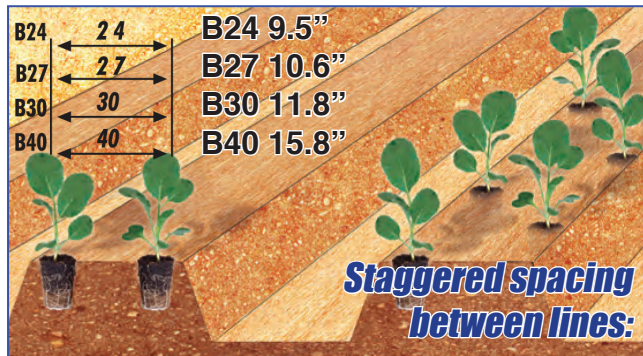


Root dia up to 6 cm  
Cubic, from 3x3 to 6x6 cm  
w/ opt. inserts



Rotating pair-rows with 4 to 6 cups, depending on spacing. Fixed distance between paired rows.

Two rows of Wolf Bi-row plants four lines. Shown with optional Transverse Tray holder



Model	Distance in between lines	D4	D5	D6
		(4 cup)	(5 cup)	(6 cup)
In-row Plant Spacings				
B24	9.5"	12 - 20"	10 - 15"	8 - 13"
B27	10.6"	12 - 20"	10 - 15"	8 - 13"
B30	11.8"	12 - 20"	10 - 15"	8 - 13"
B40	15.8"	12 - 20"	10 - 15"	8 - 13"

### Accessories



**Fastwolf Carousel**



**Transverse Trays**

Increases operator capacity 17% from 83 to 100 plants per minute.

For those who need higher capacity than the standard rotary tray holders

Part No.	Description
500279	Brush Kit
500251	Deep Cup Assembly
500032	Rotary Tray Holder
500207	Transverse tray holder 2.0 m
500208	Transverse tray holder 2.5 m
500209	Transverse tray holder 3.0 m
500214	Transverse tray holder 3.5 m
500410	Transverse tray holder 4.0 m
500282	Water Valve

# CHECCHI & MAGLI TRANSPLANTERS

## Trium Transplanter



**Trium  
2 Row  
Transplanter**

**Unitrium**

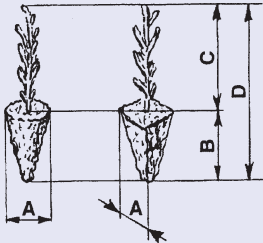
Same planter as the Trium with large front drive wheel instead of ground drive. Plant Spacing 3.9" to 39.4"

Trium is a 10 cup rotary transplanter that will accommodate large, bushy plants. Plant spacing is adjustable from 5.5" to 20" by simply changing a ground drive sprocket. Depth and position of rear press wheels are controlled with the turn of a knob. The Trium may be mounted on 22" centers

The Trium will accept plants rooted in conical or pyramidal shaped plugs.

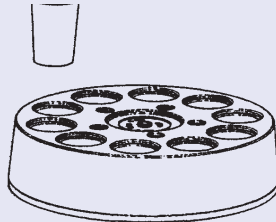
A latch releases the planter shoe to remove unwanted soil. Available with rotary tray or sloped tray holders.

### Recommended Usage



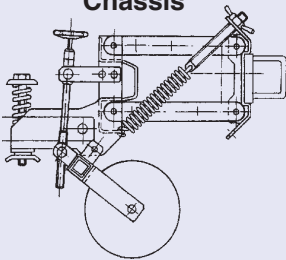
- A = 1/2" to 3"
- B = 1-1/2" to 2-3/4"
- C = 3" to 9"
- D = 4-3/4" to 12"

### Distributor



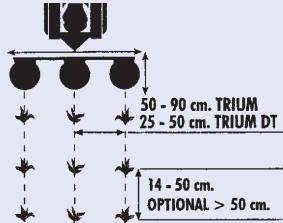
Horizontal rotating carousel with 10 cups with standard distributor extension.

### Chassis



Independent floating row units. Parallel linkage chassis stays horizontal. Adjustable spring for packing wheel pressure. Front flex wheels.

### Plant Spacing



**Row spacing:**  
Trium: 19.75" - 35.5"  
Trium DT: 10" - 35.5"  
**Plant spacing in row:**  
All: 5.5" to 19.7"  
Optional: >19.7"

### Accessories



**Coulter Kit**



**Rubber Wheels**



**Skids**



**Transverse Trays**

Model	Description	Weight
Trium 1	One row planter 1.5 m bar	435 lbs
Trium 2	Two row planter 2.0 m bar	698 lbs
Trium 3	Three row planter 3.0 m bar	1027 lbs
Trium 4	Four row planter 3.5 m bar	1296 lbs
Trium 6	Six row planter 4.0 m bar	1835 lbs
Trium 8	Eight row planter 4.5 m bar	2390 lbs

Part No.	Description
510063	Close Spacing Kit - 10 cm (per drive wheel)
500717	Extended Spacing Kit for Rows 12-32"
500719	Extended Spacing Kit for Wheels 12-32"
510104	Front Coulter Kit
510093	Cup reducers (set of 10) for small Plants
500032	Rotary Tray Holder
510085	Runner, narrow 8 mm (standard)
510128	Runner 18 mm
510126	Runner 33 mm
510055	Runner 42 mm
550003	Rubber press wheels add per row
510094	Skid assembly
500207	Transverse tray holder 2.0 m
500208	Transverse tray holder 2.5 m
500209	Transverse tray holder 3.0 m
500214	Transverse tray holder 3.5 m
500410	Transverse tray holder 4.0 m
500413	Water Valve

# CHECCHI & MAGLI TRANSPLANTERS

## Baby Trium

The Baby Trium is the same design as the Trium. The Baby Trium has 6 cups vs 10 cups on the Trium. This planter can be mounted on 19.7" centers, the same as the Trium.

The Baby Trium is 59" long vs 79" on the Trium.



## Baby Compact



Basically the same as the Trium and Baby Trium except it has 8 smaller diameter cups and can be mounted on as close as 11" centers.

Suitable for planting of five or six lines on a single bed.

Standard plant spacing 5.5" to 19.7" with farther spacings optional. Skids are standard equipment

# CHECCHI & MAGLI TRANSPLANTERS

## F300L Potato Planter

The F300L is a high quality potato planter that will save you field time with its high working speed. The Checchi & Magli potato planter also provides unmatched precision and ease of use.

The F300L planter will handle whole or cut potatoes and bulbs. Plant spacing ranges from 5.5 to 11 inches, simply by choosing gears for the smooth-running drive system. Spacings over 11 inches on request. Planting depth is also easily adjustable.

All models mount to A-frame toolbar and require a minimum of 20-40 hp.



## SP50V & SP100 Potato, Bulb, and Tuber Digger



**SP50**  
*Rear Discharge*



**SP100**  
*Side Discharge*

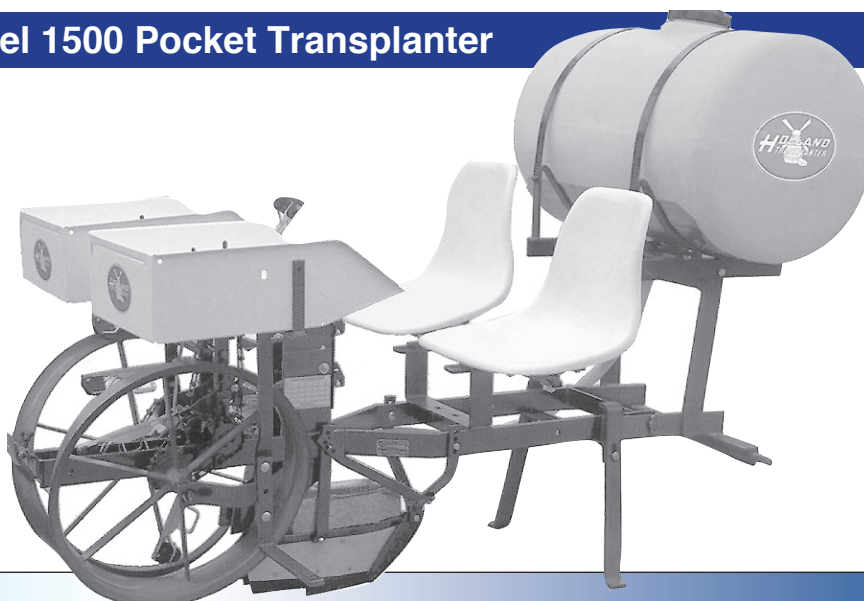
The SP50V rear discharge digger has a vibrating plow share to assist in soil penetration. The vibrating sieve eliminates sandy soil from the tubers. Designed for tractors with narrow track of 25.5 to 40". Offset mount optional

The SP100 side discharge digger has a fixed plow share and double vibrating sieves to eliminate heavier soils from tubers. Designed for tractors with track of 47" to 60". Offset mount optional.

# HOLLAND TRANSPLANTER

## Model 1500 Pocket Transplanter

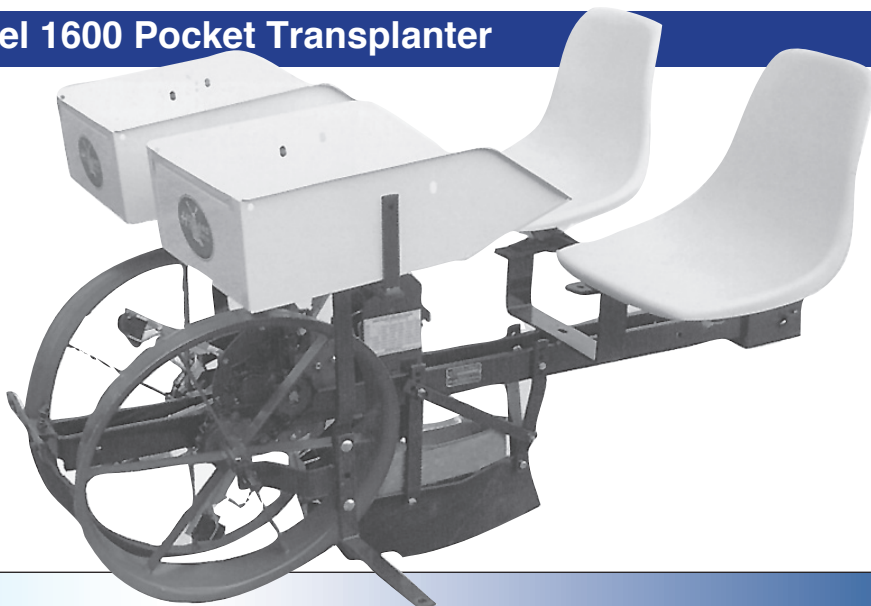
- Mounts on 40" centers or greater.
- Closing guides, foot rests, plant boxes.
- Welded steel frame.
- Adjustable steel chain tighteners.
- Heavy-duty drive wheels and sprockets.
- Grease fittings.
- Can be mounted on 2-1/2" diamond bar, 4x4 or 4x7 bars.



Part No	Description
	Row of 1500 Transplanter requires seats and hitch to complete. 6, 8, 10, or 12 pockets on chain drive arrangement 8, 10, 12, 16, or 20 pockets on disc drive arrangement.
Options	
39501	Steel pan seats (pair)
39509	Steel back rests (pair)
39502	Fiberglass molded seats (pair)
39503	Padded seats (pair)
39562	Rubber packing wheels (pair)

## Model 1600 Pocket Transplanter

- Mounts on 40" centers or greater.
- Closing guides, foot rests, plant boxes.
- Welded steel frame.
- Adjustable steel chain tighteners.
- Heavy-duty drive wheels and sprockets.
- Grease fittings.
- Can be mounted on 2-1/2" diamond bar, 4x4 or 4x7 bars.



Part No	Description
	Row of 1600 Transplanter requires seats and hitch to complete. 6, 8, 10, or 12 pockets on chain drive arrangement 8, 10, 12, 16, or 20 pockets on disc drive arrangement.
Options	
39501	Steel pan seats (pair)
39509	Steel back rests (pair)
39502	Fiberglass molded seats (pair)
39503	Padded seats (pair)
39562	Rubber packing wheels (pair)

# HOLLAND TRANSPLANTER

## Model 1265 Mulch Transplanter



**Standard Equipment:** Spades, 2 plant trays, 2 fiberglass seats, G70/15 drive tire, support wheel, rubber packing wheels with weight bracket, parking stand.

**Cat I or Cat II hitch required to complete.**

- Designed to plant through the laid plastic mulch.
- Specially designed heavy duty spades in 8 different sizes to fit different sized plugs.
- Welded tubular frame for added strength.
- Parking stand.
- Water valve feeds each plug at time of transplanting.
- Fully adjustable packing wheels, with weight basket.

Part No	Description
1265-1	One spade planter 84" plant spacing
1265-2	One spade planter 42" plant spacing
1265-3	One spade planter 28" plant spacing
1265-4	One spade planter 21" plant spacing
1265-5	One spade planter 17" plant spacing
1265-6	One spade planter 14" plant spacing
1265-7	One spade planter 12" plant spacing
1265-8	One spade planter 10-1/2" plant spacing
Spade options	
M10S	3/4" round or square for 1265-8 only
M10	3/4" round or square
M10A	1 to 1-1/2" round or square
M11	1-1/2" to 2" round
M12	1-1/2" to 2" square
M13	2 to 2-3/4" square
M14	2 to 2-3/4" round
M15*	3" -- Cannot use on 1265-7 or 1265-8
M16*	4" -- Cannot use on 1265-7 or 1265-8

## Model 1275 Mulch Layer

- Can lay up to 70" wide plastic mulch without tearing, on flat ground or beds.
- Spring tension gives wrinkle free laid plastic.
- Unit floats independent of its three-point hitch, ensuring a smooth application.
- Highly adjustable to fit a all bed configurations.
- Drip tape irrigation attachment is optional.



Part No	Description	Wt
46000	Model 1275 Mulch layer complete with Cat I 3-pt hitch, gauge wheels, leveling blade, rubber press wheels, floating main frame, 14" disc opening and covering blades, soils shields, and spare roll carrier.	500 lbs
Options		
49005	Drip irrigation attachment for mulch layer	90 lbs
49006	Fertilizer attachment for mulch layer	500 lbs



# GASPARDO PLANTERS

## Orietta Single Line Small Seed Planter



The Gaspardo Orietta is available in two chassis widths. The narrow chassis accepts 4" wide press wheels while the wide chassis accepts 7" wide press wheels. The narrow planter can be mounted as close as 5-1/2" apart and the wide planter 9" apart.

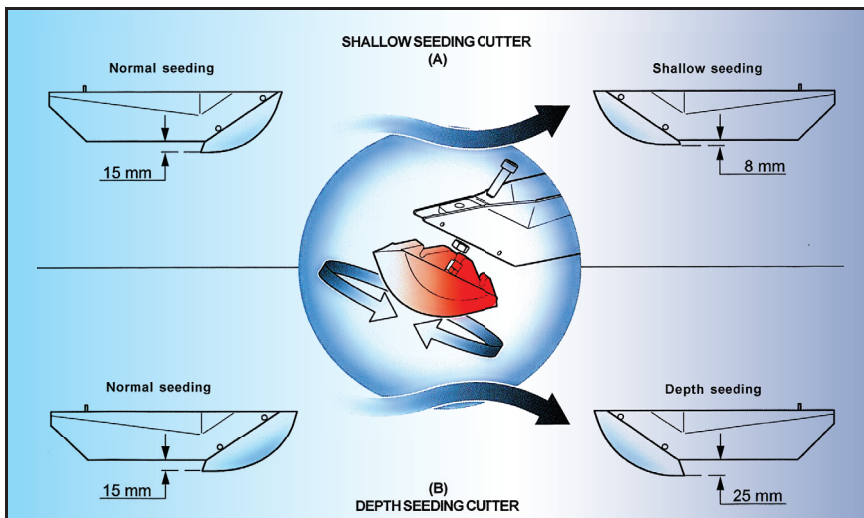
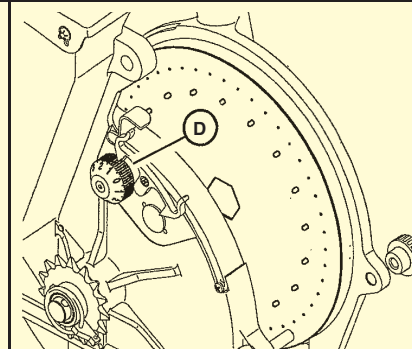
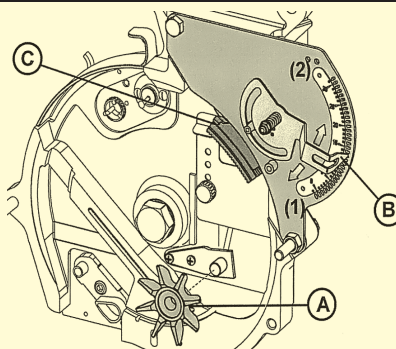
### Features:

- Larger diameter seed disc for closer seed spacing or slower disc rotation.
- Drives a secondary singulator standard, two secondary singulators optional.

### Seed Metering and Singulation:

Excellent singulation is due to the primary singulator (C) and the secondary singulator (D).

The agitator (A) stirs the seeds to assure good cell fill.



There are two reversible shoe castings available for different planting depths. Shallow for 8 to 15 mm and deep for 15 to 25 mm

# GASPARDO PLANTERS

## Olimpia Two-Line Small Seed Planter



Olimpia is available in two versions: narrow and wide chassis. Both versions feature two metering units per chassis.

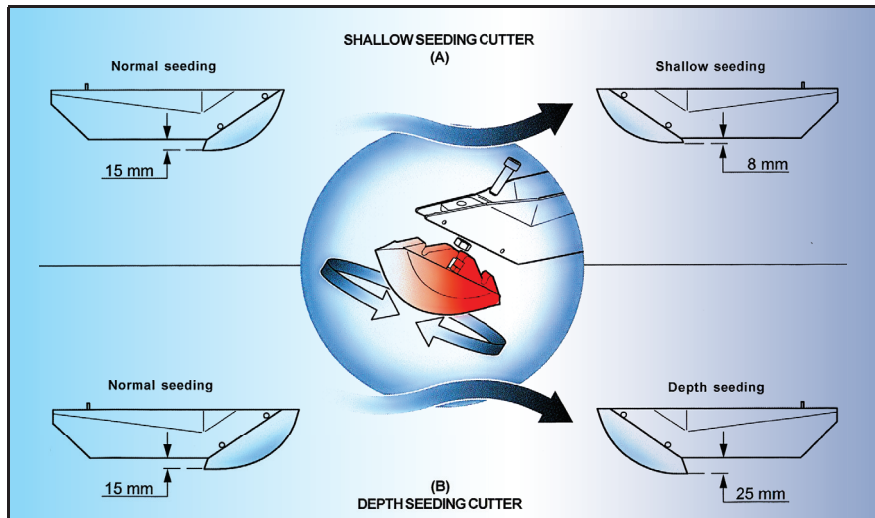
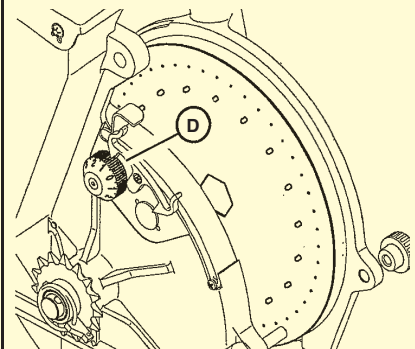
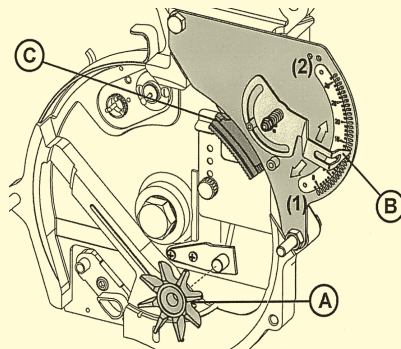
The narrow chassis meters two lines 1-1/2" through 3-1/2" apart. The wide chassis meters two lines 4-1/4" to 5" apart.

Since each metering unit plants a single line, seed spacing is very accurate. And with two singulators per metering unit, singulation is excellent.

### Seed Metering and Singulation:

Excellent singulation is due to the primary singulator (C) and the secondary singulator (D).

The agitator (A) stirs the seeds to assure good cell fill.



There are two reversible shoe castings available for different planting depths. Shallow for 8 to 15 mm and deep for 15 to 25 mm

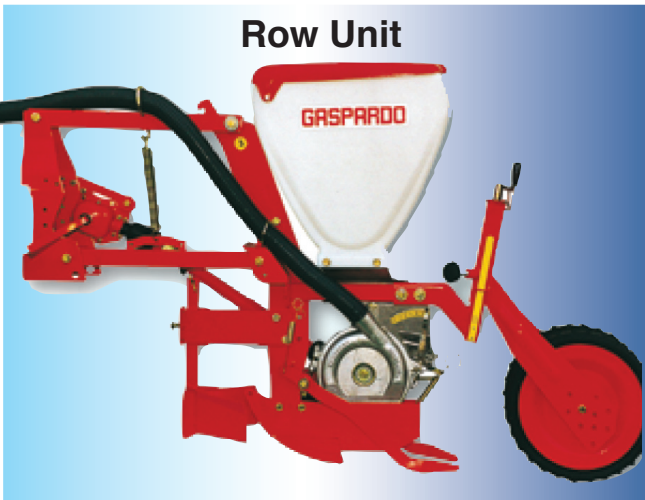
# GASPARDO PLANTERS

## Model SP Large Seed Planter







### Features:

- Designed for seeds ranging in size from sugar beets to beans.
- Adjustable planting depth from 3/4" to 4"
- Seed spacing ranges from 1/2" to 329", controlled by number of holes in seed plate and ground drive wheel setting.
- Planting speed varies from 2 to 5 mph.
- PTO or hydraulic driven fan furnishes vacuum
- Category II/III hitch accepts 6 x 6 x 1/4" square bar.
- Planter can be spaced on tool bar from 12" apart.
- Planter will accept optional double disc opener.
- Short seed drop for uniform spacing.
- Large capacity 1 bushel seed hopper.



Row Unit

Press Wheel Options			
			
Farmflex Lo-Pressure Tire	2" Diameter Rubber V' Wheels	1" Diameter Rubber V' Wheels	Concave Rubber Wheel



Model SP Singulator



Seeding Depth Adjustment

PLANTER

# SEED SPIDER VEGETABLE SEEDER

## High Density Vegetable Planter

Seed Spider lets you control seeding rate with the push of a button. An electric encoder motor driven sponge uniformly meters raw and coated seed, and each metering unit dispenses one to six lines. Seed spider adapts easily to existing planting sleds.

Seed rate controller and driver has GPS speed sensing. Each driver accepts up to eight metering units and the controller will accept up to three drivers. For smaller growers, an economy controller/driver is available that will accept up to four metering units.



### Features:

- Canister empties quickly for changing crops.
- Seeds metered uniformly from line to line.
- Easy to understand calibration.
- Corrosion resistant stainless steel construction.
- Metering units removed quickly to prevent theft or damage during bad weather.
- 12v motors turn .3 rpm to 30 rpm in .1 rpm increments

### Economy Sled



*The Seed Spider economy sled provides an affordable chassis on which to mount the seed metering unit.*



with LCD display



60 second removal & change



Accepts eight metering units



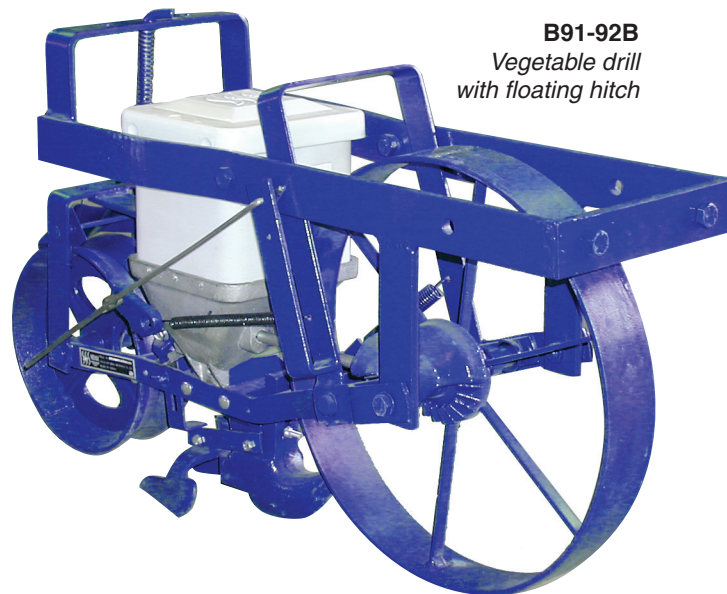
Unique design for even depth

Part No	Description
<b>1" hose model</b>	
1085.21	2 outlets, 1" hose
1085.31	3 outlets, 1" hose
1085.41	4 outlets, 1" hose
1085.51	5 outlets, 1" hose
1085.61	6 outlets, 1" hose
<b>5/8" hose models</b>	
1085.25	2 outlets, 5/8" hose
1085.35	3 outlets, 5/8" hose
1085.45	4 outlets, 5/8" hose
1085.55	5 outlets, 5/8" hose
1085.65	6 outlets, 5/8" hose
<b>Controllers &amp; Drivers</b>	
1400	Controller
1401	Driver
1480	Controller/Driver
<b>Sleds &amp; Accessories</b>	
AE 1550	Economy sled: 61"

# SOLEX SEEDERS

## Solex Vegetable seeder

- Cast iron and steel construction.
- Large capacity hoppers.
- Seed flow automatically cut off when unit is lifted.
- Front drive wheel levels seedbed and powers hopper.
- Concave press wheel with spring-loaded cleaner firms soil, leaving a loose zone over the seeds.
- Floating hitch allows drill to follow ground contours
- Enclosed gear drive
- Seed opener with adjustable depth slices a clean furrow. Six seed opener styles are available
- Adjustable floating coverer.



**B91-92B**  
Vegetable drill  
with floating hitch

### Seed Opener Shoes



**B0K-712**  
Standard



**B0K-762**  
Hard soil



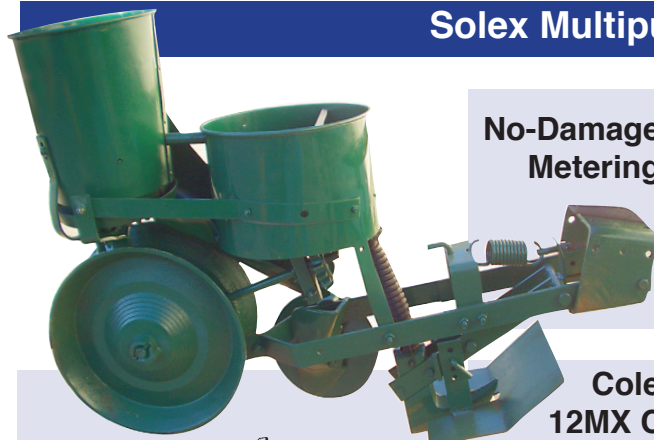
**B0K-783**  
2" Scatter



**B0K-769**  
4" Scatter

Part No.	Description	Wt
<b>B91-92B</b>	Vegetable Drill with floating hitch	59 lbs
<b>B10-039X</b>	Narrow Brush feed wheel. For gentle handling of seeds.	.5 lbs
<b>B21-259</b>	Mounting bracket for 2.5" corner-mounted toolbar. Adjustable Height, .75 x 2" shank	16 lbs

## Solex Multipurpose Seeder



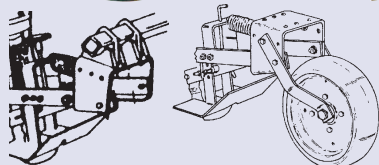
**No-Damage Metering**



**Cole/Powell 12MX Compatible**



Parts interchange with Cole 12MX



**Mounting Accessories**

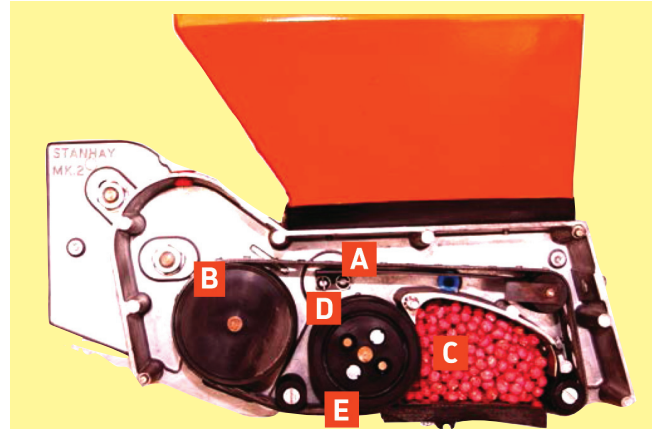
- Simultaneously seeds and places fertilizer.
- Cast iron and steel construction
- Split cast iron press wheel with dirt scraper.
- Depth control handle.
- Deep-Vee seed opener floats independently of press wheel.
- Comes with four seed plates and four spacing gears
- Fertilizer rate adjustable from 34 to 650 pounds of fertilizer per acre.

Part No.	Description	Wt
<b>12MXTB</b> (1) 012-0103 (2) B46-670	<b>Mounts To 2-1/4" and 2-1/2" Corner - Mounted Bars</b> Planter w/ mounting brackets for multi-row application. Four seed plates and spacing gears with each unit.	161 lbs
<b>(1) B46-676</b>	<b>Gauge Wheel - Mounts to Planter</b> 12" wheel on sealed ball bearings. Zero-pressure rubber tire functions independently from tractor. Recommended for tractors w/o position control. Not for use with opening foot.	16 lbs

# STANHAY PLANTERS

## 820 & 840 'Robin' Belt Planters

With a Stanhay Robin, any area, no matter how small, can be precision drilled with a minimum of effort and cost. Mounted behind compact tractors, ATVs, or even pushed by hand, the Robin will place seed with precision, leading to bigger yields, more uniform crops and reduced seed costs thanks to the unique Stanhay seed belt metering unit, renowned the world over for its accuracy, versatility and gentle handling of seed.



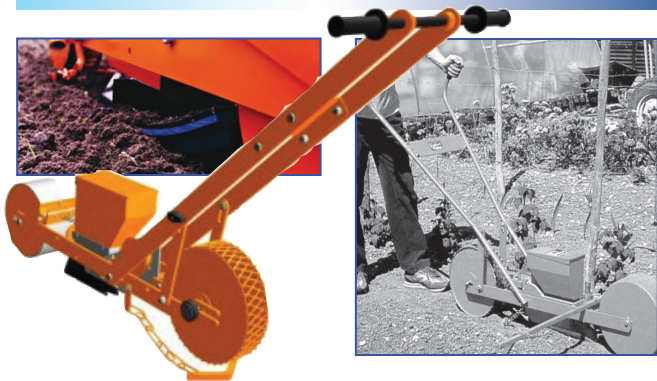
### HOW IT WORKS

The principle of operation is clever yet very simple.

- The seedbelt (A) is rotated clockwise by the drivewheel (B)
- The choke (C) controls the seed entering the chamber
- The repeller wheel (D) agitates the seed and minimises doubles
- The base (E) is plain or grooved to suit the size of seed
- Seed is released as each hole reaches the end of the base

By fitting the right combination of choke, base and seedbelt (ribbed, plain or plastic) punched with the correct size and number of holes – in single, double or triple lines – you can plant almost any size of seed at any spacing or drilling pattern.

### 820 Hand Push Planter



The versatile Robin 820 is designed for planting very small areas. With its large diameter wheels and ergonomic design, it requires very little effort to push. It is also very easy to maintain and operate.

- 4 spacing unit wheel drive
- High traction, cage rear wheel
- Easy-to-push chassis complete with row marker
- Drag-chain soil coverer
- Single line coulter standard
- Double or triple line coulters optional

### 840 Wheel Unit Planter



The Robin 840 is a low cost design for use behind small tractors or ATVs. High traction cage rear wheels drive each unit. A simple four pulley drive gives a choice of four different seed spacings per seed belt.

- 4 seed spacing unit wheel drive
- High traction, cage rear wheels
- Lightweight design for use with small tractors or ATVs
- Drag-chain soil coverer
- Single line coulter standard
- Double and triple line coulters are optional.

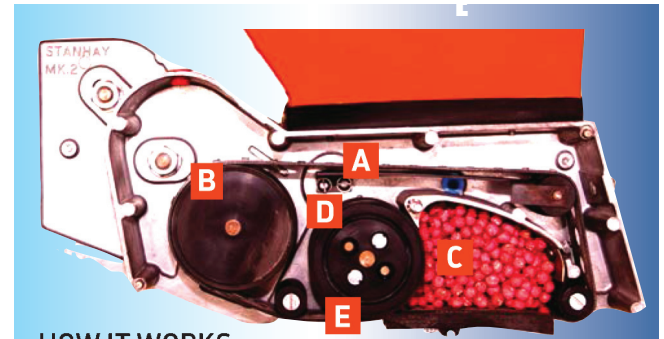
Model No	Description	Wt
8328000	Row of 820 Robin wheel unit planter, hand push chassis	80 lbs.
8541001	Row of 840 Robin wheel unit planter, tractor/atv pull	86 lbs.
<b>Each row unit comes with: Plain Belt (1022002), A2 Base (2810017), and A Choke (6900040)</b>		

# STANHAY PLANTERS

## 870 Precision Belt Planters



Stanhay planters are renowned for their low seed drop and remarkable versatility. They plant every seed type, and when used with pelleted seed their accuracy is near perfect. Adjustable height land wheels give a positive drive to all row units, whether planting on flat or raised beds.



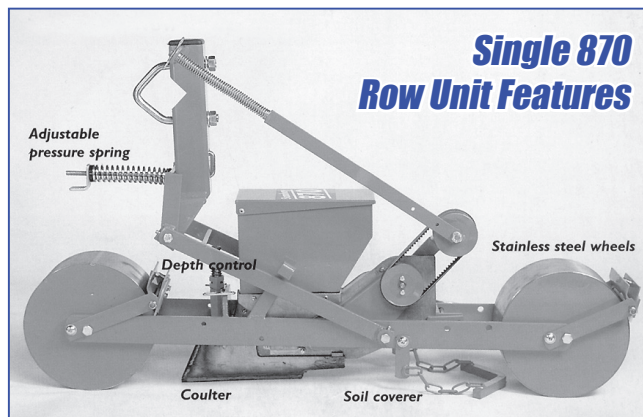
### HOW IT WORKS

The principle of operation is clever yet very simple.

- The seedbelt (A) is rotated clockwise by the drivewheel (B)
- The choke (C) controls the seed entering the chamber
- The repeller wheel (D) agitates the seed and minimises doubles
- The base (E) is plain or grooved to suit the size of seed
- Seed is released as each hole reaches the end of the base

By fitting the right combination of choke, base and seedbelt (ribbed, plain or plastic) punched with the correct size and number of holes – in single, double or triple lines – you can plant almost any size of seed at any spacing or drilling pattern.

- Free floating chassis.
- Landwheel drive with belt and pulley transmission
- Electronic rotation monitor option
- Accurate seed spacing & total control of plant density
- Choice of coulters for all seed patterns and soil types.
- Kind on seeds
- Low maintenance costs



### Planting "Tailor Made" For Your Needs

Single Line	Double Line	Triple Line

Choice of choke, base, and seed belt allow almost any size of seed at any spacing or drilling pattern:

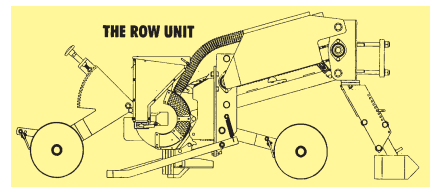
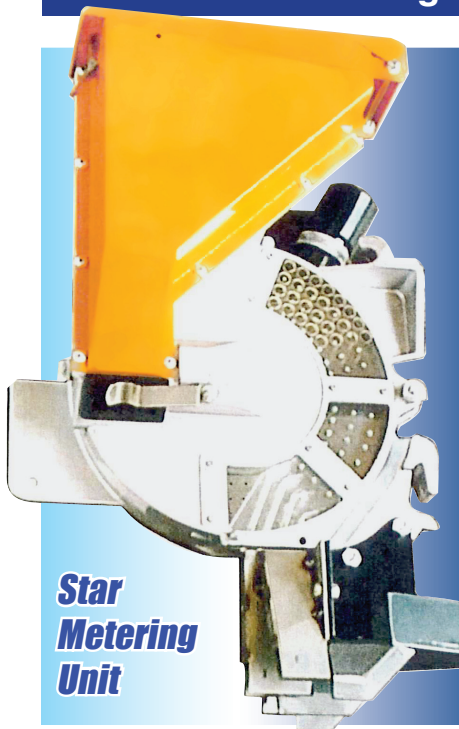
- **Double or triple line spacing** - two line 1-1/2", 2", or 3" apart or three lines 1" or 1-1/2" apart
- **Wide spacings and group drilling** - For example, place a group of three seeds 1" apart with a 12" gap between group centers.

Model No	Description	Wt (lbs)
S870-2B	2 row planter	545
S870-4	4 row planter	810
S870-6	6 row 870 planter	900
S870-8	8 row 870 planter	1100
Individual 870 Components		
6902322	Hex shaft	
7702982	98 Inch toolbar	
7701116	168 Inch toolbar	
8002751	3 Point hitch for 98" toolbar	
7403031	3-pt hitch for 168" toolbar	
8002677	Hitch brackets	

Model No	Description	Wt (lbs)
Individual 870 Components (cont'd)		
7700996	Bearing and bracket	
8542031	S870 Planter with SS wheels	
8003152	Support wheel	
8003145	4 Spacing V-belt drive	
8003146	4 Spacing V-belt drive	
7700089	Coupler	
6417133W	S870 Operation Manual	
7400034	Coulter	
7702095	Parking Stand	
STY10	Seed belt kit	

# STANHAY PLANTERS

## Star High-Precision Multi-line Vacuum Planter



The most versatile and precise drill for growers of vegetable or salad crops.

Parallel linkage allows the row unit to follow the ground for accurate, consistent seed depth. Down pressure is adjustable via spring preload between the top and bottom links. Depth control adjustable via rear wheel arm.

The drive chain is encased between the parallel link, lessening the chance of 'chain jump' and seed misses.

### Standard Features:

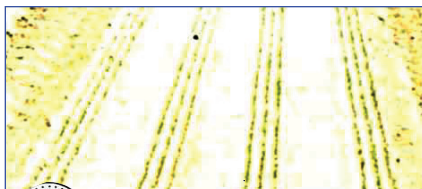
- Adjustable pressure parallel linkage
- Rubber zero-pressure front wheels
- 120mm rear wheels with cleaners.
- Adjustable pressure to chassis arm
- Easy rear wheel depth adjustment
- 2 liter seed hopper
- Arm or drag-type seed covers



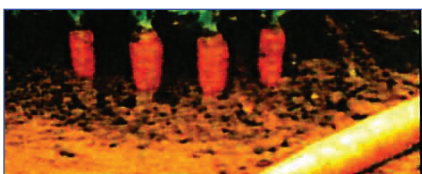
**Single Line**



**Double Line**



**Triple Line**



**Four Line**

### Transport Options

#### Hydraulic End-Tow



#### Hydraulic Stacker bar



Model	Description
Star-2B	2 Unit Star, 98" toolbar
Star-4	4 Unit Star
Star-6	6 Unit Star
Star-8	8 Unit Star
10520081	Hyd. drive assembly
8002617	single line cast
8002550	single line ceramic
7703504	single line non-stick
7703308	2 line 2.5" hyline non-stick
7703309	3 line 1.25" hyline non-stick
7703310	3 line 3" hyline non-stick
7703311	3 line 1.5" hyline non-stick
7703312	2 line 4" hyline non-stick
7703313	3 line 2" hyline non-stick
7703377	2 line 5" hyline non-stick
7703379	3 line 2.5" hyline non-stick
7703314	2 line 6" hyline non-stick
7703315	3 line 3" hyline non-stick
7703263	2 line 3" hyline deep fin
7703264	3 line 1.5" hyline deep fin



# STANHAY PLANTERS

## S780 Handcrank Adjustable Planter for High Density Crops



The Stanhay 780 drill is designed for the grower of high density crops.

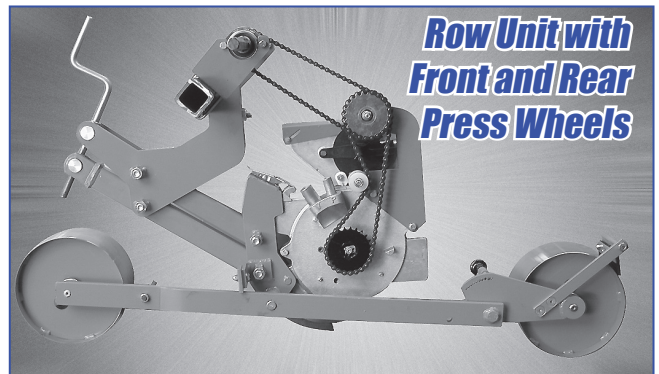
The slim line chassis combined with Stanhay's high density 'slimline' seed hopper makes 150 mm row unit centres achievable. Coupled with Stanhay's unique ability to plant up to 4 lines from one row unit, the Stanhay 780 drill gives the maximum planting density available and with Stanhay's minimum seed drop height, precision placement is assured through the elimination of seeds 'bouncing' when dropped from greater height.

As with all Stanhay drills seed discs can accommodate up to 4 lines of either pelleted, coated or raw seed. The 780 drill is air operated and land wheel driven.

Standard features include a Cat II Hitch, 12 spacing transmission, 540 PTO shaft with over run clutch, zero pressure wheels, drag covers and single sided chassis.

### Features:

- Adjust planting depth quickly and easily.
- Capable of high density planting (2" line to line).
- Short seed drop for accurate spacing.
- Drive chain installed in fixed position to insure smooth operation.


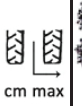




# RINIERI VINEYARD IMPLEMENTS

## EL Series Under-Row Cultivator










The hydraulic offset cultivators with 4 vertical rotary tine sets are ideal for tilling vineyards and orchards in rows with close plantings (at least 50 cm. apart). EL performs a good weeding at a minimum working depth, ensures an optimum soil leveling without creating any ditch during its side displacement.

Code	Model	 cm min	 cm max	 cm	 cm	Wt (lbs)
60793m	EL70	100	70	65	40	506
60720M	EL90	140	90	65	40	520
60730M	EL115	170	115	65	50	660
60740M	EL140	200	140	65	50	704
60750M	EL170	250	170	65	55	748
60751M	EL170/100	300	205	100	60	946
60760M	EL200	300	200	65	60	902
60761M	EL200/100	350	235	100	60	1056
60770M	EL225	350	225	65	60	946
60780M	EL225/100	450	260	100	60	1100
18020	Hyd. safety control. Lever override					
18030	Electro-hydraulic push button safety control.					
18050	Kit sensor rod control and electrohydraulic emergency push button (like ELX)					
10392	Wheels (EL200-225 wheels std)					
10820	Articulated attachment for stone soil					
60331	Hyd. depth adjustment (only EL 200-260)					

## ELX Under-row Cultivator

ELX combines sturdiness with reduced width for big reliability in stony soils. The machine has a three-arm sideshift, anti-shock gas cylinder for dampening and a special PTO shaft with a ratchet-style torque limiter. It is ideal for demanding customers who have to work in difficult stony and hard soil.



Code	Model	 cm min	 cm max	 cm	 cm	 Km/h		 cm
60789M	ELX 115	170	115	65	50	4	814 lbs	5 - 10
60790M	ELX 140	200	140	65	50	4	858 lbs	5 - 10

# RINIERI VINEYARD IMPLEMENTS

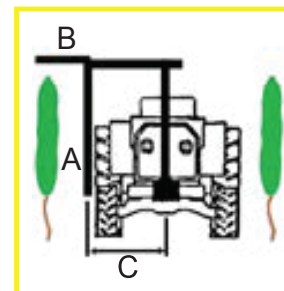
## Pruning Machine CRL Tower-1 L with Sickle Bar

The new frames Tower 1 and 2 for pruning machines CRL and CRV are characterized by the same central structure very resistant equipped with tilt and hydraulic lifting to which is coupled an upper part with a displacement or double displacement depending on the model. This particular design makes the machines to be modified after the purchase. Cutting bars are protected by spring safety controls and the horizontal bars also have a manual closure for transport. When using the U "Reverse" model, a quick connection for a fast replacement of the summer cutting unit with a winter unit CPL or sucker remover is available. The double blade cutting bars CRL are very sturdy and allow a very accurate cut thanks to the double blade-tooth movement, while the stainless steel cutting bars CRV with rotating knives are very durable and lightweight and allow a fast and perfect cut up to a maximum of 15km / h.



Standard machine

*Additional Configurations Available*



T1 FRAME	SAFETY	TO THE TRACTOR
-Hydraulic Distributor 4+1 -Hydraulic Lifting cm 70 -Vertical Frame Hydraulic Tilting +/- 20° -Hydraulic Side Shift -Hydraulic Horizontal Bar Tilting 90° -Horizontal Bar Manual Adjustment height cm 35 -Manual Vertical Bar tilting +/- 11°	-Maximum Pressure Valve for Motors -Safety Joint Spring for Vertical Bars -Safety Joint Spring for Top with Closure for Road Transport -Hydraulic Stand for Storage	-N.1 Double-Acting Hydraulic Distributor -N.1 Pressure Free Return -15-20 Liter/min

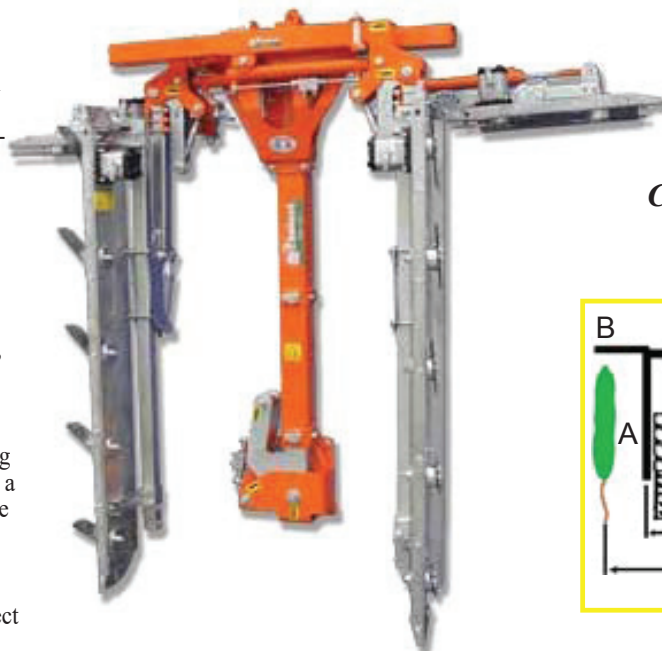
Code	A cm	B cm	C min cm	C MAX cm
6CRLT143LA	150	80	45	85
6CRLT143LB	150	80	65	115
6CRLT153LA	180	80	45	85
6CRLT153LB	180	80	65	115
6CRLT163LA	210	80	45	85
6CRLT163LB	210	80	65	115

Code	Accessories
+E	Electro-hydraulic controls with joystick 4+1 for tractors with cab
+P	Electro-hydraulic controls with PROPORTIONAL joystick 4+1
+F	Electro-hydraulic controls with joystick 7+1 for tractors with cab
33080	Shoot conveyor for pruning machine
32792	Coupling frame (specify tractor's model)
10890	3 points coupling for reversible tractors or with front lift
4509901	Hydraulic tilting of the vertical cutter bar only with joystick 7+1
4545001	Hydraulic height adjustment of the horizontal bar 35 cm only with joystick 7+1
T	Deduction hydraulic distributor

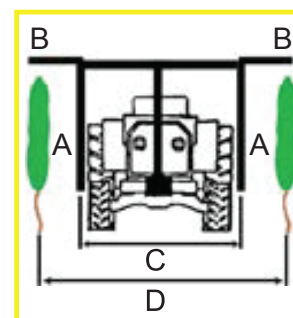
# RINIERI VINEYARD IMPLEMENTS

## Double Pruning Machine CRV Tower-2 L with Blades

The new frames Tower 1 and 2 for pruning machines CRL and CRV are characterized by the same central structure very resistant equipped with tilt and hydraulic lifting to which is coupled an upper part with a displacement or double displacement depending on the model. This particular design makes the machines to be modified after the purchase. Cutting bars are protected by spring safety controls and the horizontal bars also have a manual closure for transport. When using the U "Reverse" model, a quick connection for a fast replacement of the summer cutting unit with a winter unit CPL or sucker remover is available. The double blade cutting bars CRL are very sturdy and allow a very accurate cut thanks to the double blade-tooth movement, while the stainless steel cutting bars CRV with rotating knives are very durable and lightweight and allow a fast and perfect cut up to a maximum of 15km / h.



*Additional Configurations Available*



T1 FRAME	SAFETY	TO THE TRACTOR
<ul style="list-style-type: none"> <li>-Electro-Hydraulic Distributor with joystick 7+1</li> <li>-Hydraulic Lifting cm 70</li> <li>-Vertical Frame Hydraulic Tilting +/- 20°</li> <li>-Hydraulic Side Shift</li> <li>-Hydraulic Horizontal Bar Tilting 90°</li> <li>-Manual Adjustment Horizontal Bars height cm 35</li> <li>-Manual Vertical Bar tilting +/- 11°</li> </ul>	<ul style="list-style-type: none"> <li>-Maximum Pressure Valve for Motors</li> <li>-Safety Joint Spring for Vertical Bars</li> <li>-Safety Joint Spring for Top with Closure for Road Transport</li> <li>-Hydraulic Stand for Storage</li> </ul>	<ul style="list-style-type: none"> <li>-N.1 Double-Acting Hydraulic Distributor</li> <li>-N.1 Pressure Free Return</li> <li>-25-35 Liter/min</li> <li>-12 Volt Socket</li> </ul>

Code	Blades NR A	Blades NR B	A cm	B cm	C min cm	C MAX cm	D min cm	D MAX cm
6CRVT232LAF	3	2	105	75	90	150	140	200
6CRVT232LBF	3	2	105	75	120	200	170	250
6CRVT232LCF	3	2	105	75	175	275	230	330
6CRVT242LAF	4	2	140	75	90	150	140	200
6CRVT242LBF	4	2	140	75	120	200	170	250
6CRVT242LCF	4	2	140	75	175	275	230	330
6CRVT252LAF	5	2	175	75	90	150	140	200
6CRVT252LBF	5	2	175	75	120	200	170	250
6CRVT252LCF	5	2	175	75	175	275	230	330
6CRVT263LBF	6	3	210	105	120	200	170	250
6CRVT263LCF	6	3	210	105	175	275	230	350

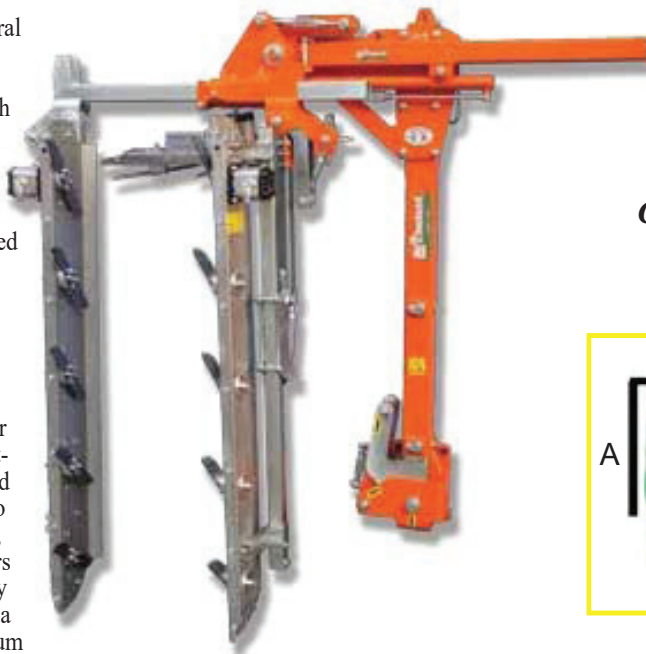
Code	Accessories
33080	Shoot conveyor for pruning machine
32785	Coupling frame (Specify Tractor's Model)
10890	3 points coupling for reversible tractors or with front lift
33086	1 blade bottom bar with manual tilting
4509802	Hydraulic height adjustment 35cm horizontal bars (+2 movements with tractor levers)
4509902	Hydraulic tilt cutting bars (+2 movements)

N.B. if both optional 4509802 and 4509902 adopted, the hydraulic offsets will be operated by tractor levers

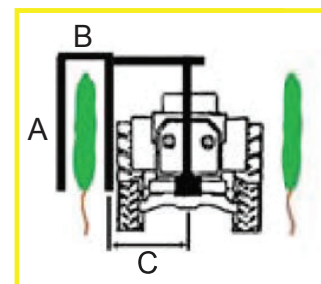
# RINIERI VINEYARD IMPLEMENTS

## Pruning Machine CRV Tower-1 U with Blades

The new frames Tower 1 and 2 for pruning machines CRL and CRV are characterized by the same central structure very resistant equipped with tilt and hydraulic lifting to which is coupled an upper part with a displacement or double displacement depending on the model. This particular design makes the machines to be modified after the purchase. Cutting bars are protected by spring safety controls and the horizontal bars also have a manual closure for transport. When using the U "Reverse" model, a quick connection for a fast replacement of the summer cutting unit with a winter unit CPL or sucker remover is available. The double blade cutting bars CRL are very sturdy and allow a very accurate cut thanks to the double blade-tooth movement, while the stainless steel cutting bars CRV with rotating knives are very durable and lightweight and allow a fast and perfect cut up to a maximum of 15km/h.



*Additional Configurations Available*



Standard machine:

T1 FRAME	SAFETY	TO THE TRACTOR
-Hydraulic Distributor 4+1 -Hydraulic Lifting cm 70 -Vertical Frame Hydraulic Tilting +/- 20° -Hydraulic Side Shift cm 60 -U Manual Tilting +/- 15° -Manual Adjustment horizontal bar height 35 cm -Manual Opening of U cm 60	-Maximum Pressure Valve for Motors -Safety Joint Spring for Vertical Bars -Safety Joint Spring for Top with Closure for Road Transport -Hydraulic Stand for Storage	-N.1 Double-Acting Hydraulic Distributor -N.1 Pressure Free Return -23-6 Liter/min.

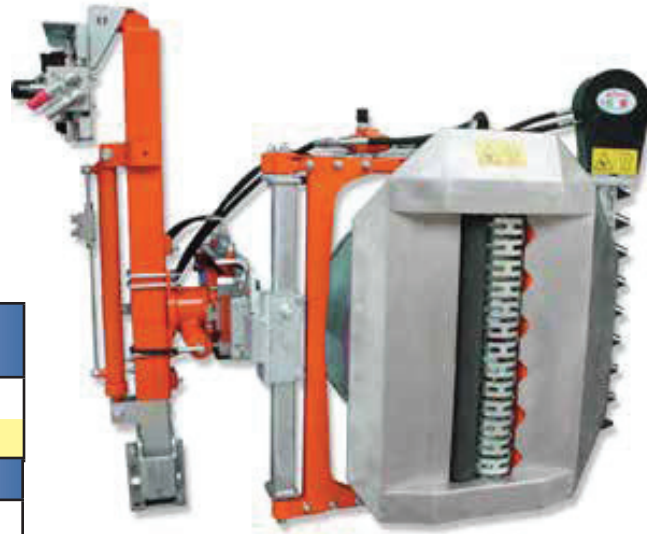
Code	Blade NR A	Blade NR B	A cm	B cm	C min cm	C MAX cm	Opening U cm
6CRVT132UA	3	2	105	75	55	115	70
6CRVT142UA	4	2	140	75	55	115	70
Code	Accessories						
+E	Electro-hydraulic controls with joystick 4+1 for tractors with cab						
+P	Electro-hydraulic controls with PROPORTIONAL joystick 4+1 for tractors with cab						
+F	Electro-hydraulic controls with joystick 7+1 for tractors with cab						
32792	Coupling frame (Specify Tractor's Model)						
10890	3 points coupling for reversible tractors or with front lift						
4525001	Hydraulic tilting U +/- 15° (+1 movement)						
45251	Hydraulic opening adjustment of vertical cutting bar (+1 movement)						
45255	Hydraulic adjustment horizontal cutting bar height (+1 movement)						
33086	1 blade bottom bar with manual tilting						
33080	Shoot conveyor						
T	Deduction hydraulic distributor						

N.B. The standard machine is equipped with 3 hydraulic movements so it is possible to add 1 single hydraulic movement without replacing the hydraulic distributor or joystick 4 + 1. If 2 or 3 additional hydraulic movements required, joystick 7 + 1 will be needed

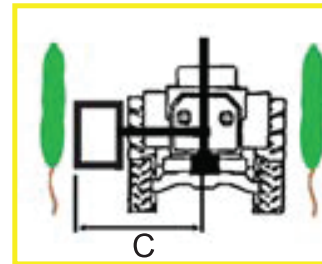
# RINIERI VINEYARD IMPLEMENTS

## DRF Leaf Remover

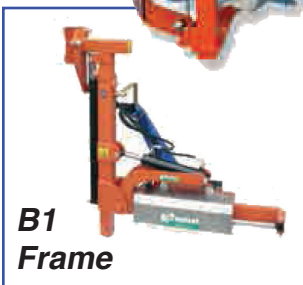
- Head with 60cm double rollers
- Fan Diameter 61cm
- 4 hydraulic movements ( Lift, Side Shift, Angle, 180° rotation Electro Hydraulic with joystick (optional)
- Speed control for rollers



Code	C min cm	C MAX cm	Roller Height cm
6DRFT160GA	40	90	60
6DRFT160GB	60	110	60
Options			
+E	Electro Hydraulic controls with joystick 4+1 for tractors with cab		
+P	Electro Hydraulic controls with proportional joystick 4+1		
32792	Coupling Frame (specify tractor's model)		
10890	3 Point coupling for reversible tractors or with front lift		
35675	Front cutter bar cm 66		
+T	Deduction hydraulic distributor		



## CPL Disc Pre Pruner



Code	Model	Discs	Cut Size (Fig A)	Illustration
39994	CPL 4	4 + 4	30 cm	
39996	CPL 6	6 + 6	50 cm	
39998	CPL 8	8 + 8	70 cm	
39990	CPL 10	10 + 10	90 cm	
Options				
34590	B1SB frame for CPL complete with 3 hydraulic movements, independent distributor, and support			
"E"	Electro-hydraulic controls with joystick 4+1 for tractor cab			
"P"	Electro-hydraulic controls, with proportional joystick 4+1			
32792	Coupling frame (specify tractor)			
10890	3 pt coupling for front mount			
60309	Independent hyd. kit with 30 lt pump, 50l oil tank, and pto			
60350	Oil cooler for hydraulic kit			

# RINIERI VINEYARD IMPLEMENTS

## Sucker Remover



FIG.1



FIG.2



FIG.3

The hydraulic sucker remover head SRV is ideal to remove the new shoots or suckers that grow along the stem of adult vine plants. The axial shaft rotation allows the head to be also used for reducing weeds. On the head there is a safety spring which allows to bump the vine plants without damaging them. This SRV head can be provided with its three points attachment back or front tractor, or to completion of the trimming frame. In the latter case it is possible to mount a SRV head on Vision 1 and Tower 1 frames, or two heads on Vision 2 and Tower 2 frames. Three kinds of whips are available: round soft polymer for young vineyards, square yellow / orange hard aggressive with grass and very aggressive wide strip with weeds.

### *Sucker Remover with Hydraulic Motor Frame* **MUST ORDER SUCKER REMOVER TO COMPLETE**

Code	Description
6SRV150	3pt mount telescopic frame with side displacement cylinder, depth adjustment wheels, safety springs and mechanical angle adjustment.
6SRV150A	Front mount telescopic frame with side displacement cylinder, depth adjustment wheels, safety springs and mechanical angle adjustment.
Code	Accessories
60308	Independent hydraulic kit with 30 L tank and PTO
60360	Flow divider (necessary for tractor with oil flow more than 25 L/min)
60204	Articulated working depth adjustment frame
60330	Hydraulic tilting cylinder
33280	Shaft with whips for shoots (Fig.1)
33288	Shaft with whips for grass (Fig.2)
33290	Shaft with whips for very strong grass (Fig.3)



Tools For Agriculture

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	QUANTITY ORDERED	STOCK NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
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4					
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