

# COMPLETE AGRI SOLUTION

5

AMONG TOP 5 TRACTOR  
MANUFACTURERS  
GLOBALLY\*

1

NO. 1 TRACTOR  
EXPORTER FROM  
INDIA



EMINENT PRESENCE  
IN 140+  
COUNTRIES



WORKFORCE OF  
5,500+ DEDICATED EMPLOYEES  
WITH 400+ ENGINEERS IN R&D



JOINT VENTURE  
WITH **YANMAR**  
(JAPAN)

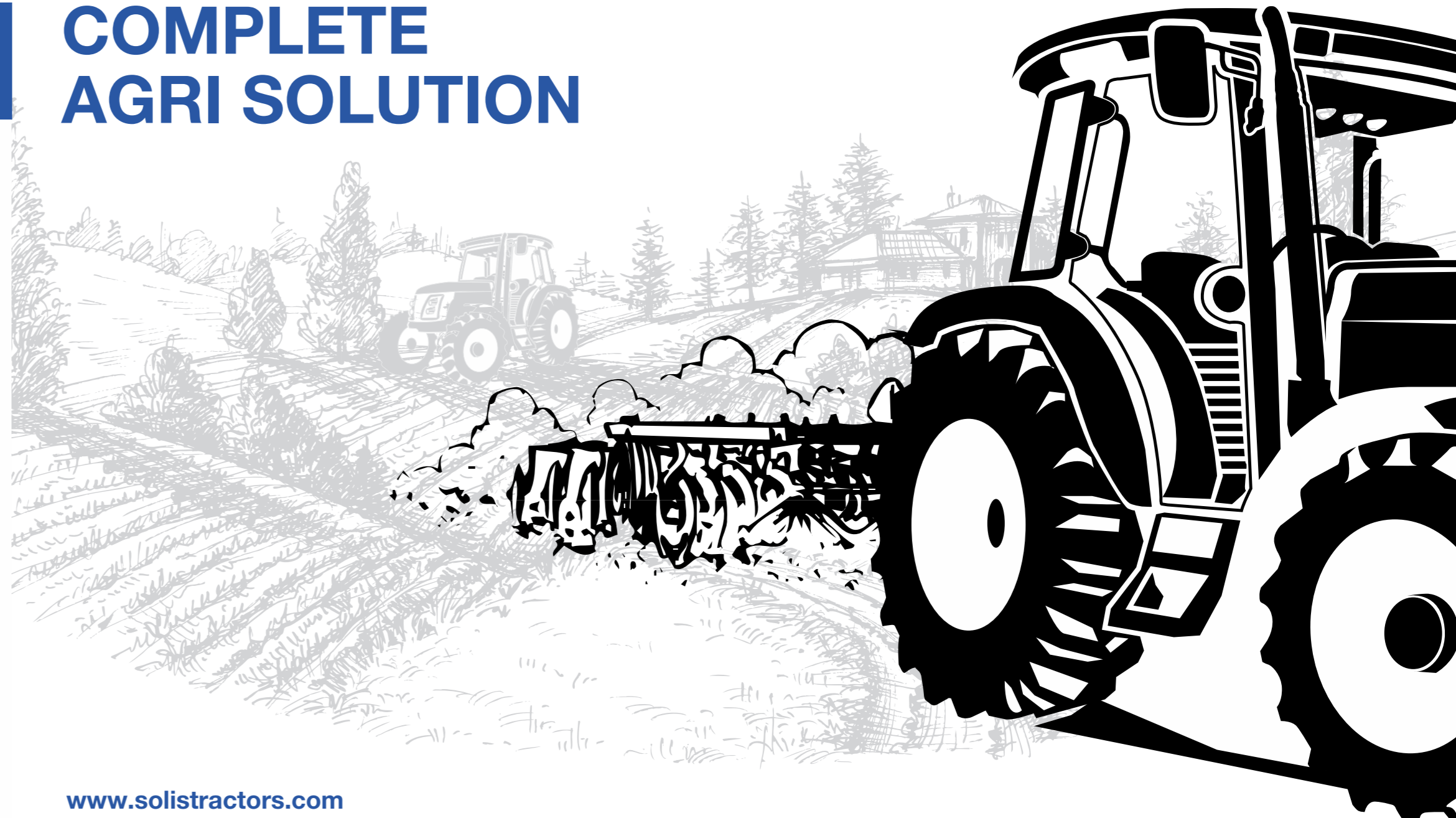


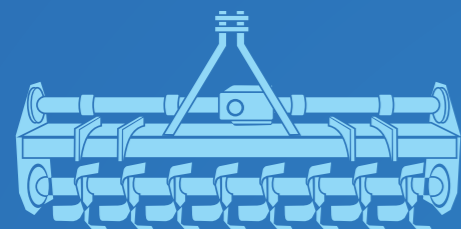
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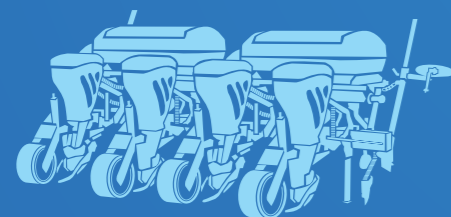
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## SOIL PREPARATION

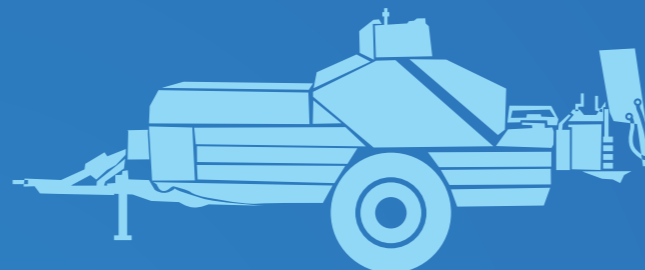
Rotavator	03-10
• Mini / Hybrid	05
• Xtra Series	07
• Xtra Medium Series	08
• Supreme Series	09
• Alfa Series	10
Disc Harrow	11-14
Trailed Type Hydraulic Disc Harrow	13
Mounted Offset	14
Cultivator	15-18
• Double Spring Loaded Series	17
• Single Spring Loaded Series	18
Plough	19-26
• Mini/Heavy Duty MB Plough	21
• Reversible MB Plough	22
• Regular Series Disc Plough	25
• Hulk Series Disc Plough	26
Sub Soiler	27-28



## PLANTING

Pneumatic Planter	29-30
Automatic Potato Planter - ECO	31-32
• Semi Automatic Potato Harvester/digger	33-34

## INDEX



## RESIDUE MANAGEMENT

Flail Mower	35-36
Pluto Series	35-36
Grooming Mower	37-38
Mulcher	39-40
Rotary Slasher	41-42
Mid Mower	43-44
Square Baler	45-46
• Offset Series • Inline Series	
Round Baler	47-48
Hay Rake	49-50



## COMMERCIAL

Front End Loader	51-64
• Loader Dimension	53-54
• Loader Attachments	55-56
• Loader Attachments Specifications	57-64
Backhoe	65-66
Trailer	67-70

\*Since product improvement is a continuous process, specification and details provided are subject to change without prior notice. E&OE, Please correlate with latest updates, accessories shown may not be part of standard product.



# ROTAVATOR

Solis



# ROTAVATOR

## MINI / HYBRID

Rotavator is secondary tool used in preparing Seed Beds & Stubby ploughing in specially farming vineyard gardens.



Heavy duty TPL for easy attach and detach with tractor



Oil immersed gear drive for Noiseless and smooth operation



Heavy duty gear box for better performance in different soil conditions and compatible with all tractor model



6 Blades per flange, rotor suitable for L&C type of blades



# ROTAVATOR



## SALIENT FEATURES

- International quality boron steel blades
- High tensile fasteners
- Flexible spring damper assembly
- Heavy duty gear box
- Powder coated paint
- Ensures smooth operation in different soil types
- Provides ease of working in interculture operations
- Effective for puddling due to better churning of soil



ADJUSTABLE TRAILING BOARD AND DEPTH SKID



20% LONGER LIFE THAN OTHER BLADES



POWDER COATED PAINT, GOOD FOR WET CONDITIONS AND EXCELLENT CORROSION RESISTANCE

## TECHNICAL SPECIFICATIONS

	Model Name	Size (In Feet)	Tillage Width (mm)	Gear Box	Side Transmission	Type of Blade	No. of Blades	Weight (Kg. Approx)	Tractor Power (HP)
Mini Series	SL-80	3	900	Single Speed	Gear Drive	L	16	186	15-25
	SL-100	3.5	1059				20	202	20-30
Hybrid Series	SL-120 (Single Speed)	4	1200				24	225	20-35

# ROTAVATOR

## XTRA SERIES



BORON STEEL BLADES WITH JAPANESE TECHNOLOGY



TRAILING BOARD SPRING FOR EXTRA STABILITY



HEAVY DUTY GEAR BOX



STRONGER LOWER LINKS FOR BETTER RELIABILITY



POWDER COATED PAINT



CORRUGATED TRAILING BOARD FOR EXTRA STRENGTH

## TECHNICAL SPECIFICATION

	Model Name	Size (In Feet)	Tillage Width (mm)	Gear Box	Side Transmission	Type of Blade	No of Blades	Weight (Kg. Approx)	Tractor Power (HP)
Xtra Series	SLX 90	3	900	Single Speed	Gear Drive	C/L Type	24	155	15-25
	SLX 105	3.5	1050				30	170	20-30
	SLX120	4	1200				36	182	20-35
	SLX 135	4.5	1350				42	198	25-40
	SLX 150	5	1500				48	209	25-40

# ROTAVATOR

## XTRA MEDIUM SERIES



ROBUST TPL WITH THICKER HITCH PLATES



BORON STEEL WEAR RESISTANT BLADES



HEAVY DUTY FRAME DESIGN

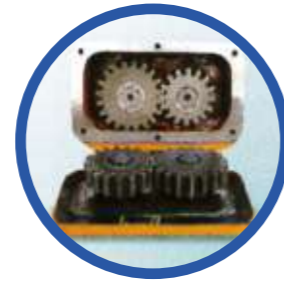


DUO CONE MECHANICAL SEALS

	Model Name	Size (In Feet)	Tilling Width (mm)	Gear Box	Side Transmission	Type of Blade	No. of Blades	GearBox Overload Protection	Weight (kg Approx)	Tractor Power (HP)
Xtra Medium Series	SLXM-145	5	1450	Single Speed/ Multi Speed (Optional)*	Gear Drive	C & L Type	36	Shear bolt	265	30-40
	SLXM-165	5.5	1625				48		285	35-45
	SLXM-185	6	1812				54		310	40-50

# ROTAVATOR

## SMART SUPREMO SERIES



FOUR SPEED GEAR BOX



INTERNATIONAL QUALITY BORON STEEL ANTI WEAR BLADES



OIL IMMERSSED SIDE BEARINGS



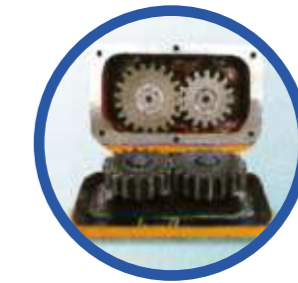
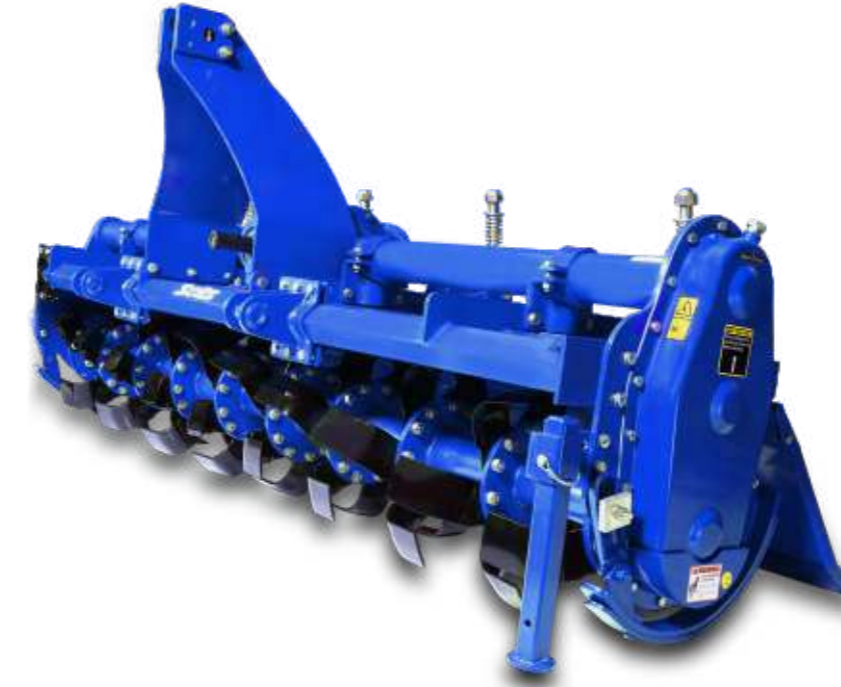
HIGH TENSILE BOLD FASTENERS

### TECHNICAL SPECIFICATION

	Model Name	Size (In Feet)	Tillage Width (mm)	Gear Box	Side Transmission	Type of Blade	No. of Blades	Weight (Kg. Approx)	Tractor Power (HP)
Smart Supremo Series	SL-SS165	5.5	1650	Multi Speed	Gear Drive	C & L Type	48	425	40-45
	SL-SS185	6	1850				54	435	45-55
	SL-SS205	7	2050				60	450	50-60

# ROTAVATOR

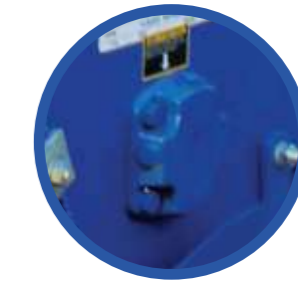
## ALPHA



HEAVY DUTY 2 SPEED GEARBOX



DUO CONE MECHANICAL SEAL SUITABLE FOR DRY & WET LANDS



OIL IMMERSSED SIDE BEARINGS



HEAVY DUTY BODY STRUCTURE WITH 7 MM THICK BLADE

### TECHNICAL SPECIFICATION

	Model Name	Size (In Feet)	Tillage Width (mm)	Gear Box	Side Transmission	Type of Blade	No. of Blades	Weight (Kg. Approx)	Tractor Power (HP)
Alpha Series	SL AS5	5	1625	Multi Speed	Gear Drive	L Type	36	430	45-55
	SL AS5.5	5.5	1800			L Type	36	445	50-60
	SL AS6	6	1880			L/C Type	42/54	490	60-70
	SL AS7	7	2130			L/C Type	48/60	515	70-80
	SL AS8	8	2335			L Type	54	545	75-85
	SL AS9	9	2820			L Type	60	580	70-80
SL AS10	10	3040	L Type	66	650	80-90			

# DISCHARRROW



Disc harrow is used to chop up unwanted weeds or crop remainders. The discs are offset and this arrangement ensures that the discs will repeatedly slice any ground, in order to optimize the result. The concavity of the discs as well as their offset angle helps to loosen and lift the soil in better way.



Suitable for light and medium soil



High quality boron steel disc



Used for chopping up unwanted weeds or crop residue



Maintenance free performance and longer life



Useful for open field for superficial ploughing for shattering of clods, preparing seed bed, burial of organic substance and remains of cut of crop

## SALIENT FEATURES

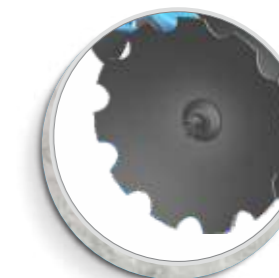
- Heavy duty disc to absorb sudden impact
- Sealed bearing increases life & reduces maintenance
- Heavy duty reinforced pipe frame
- Robust bearing hub mechanism & bearings
- Superior powder coated paint



HEAVY DUTY SG IRON BEARING HUB



ADJUSTMENT ROD



GANG AXLE LOCK



BORON STEEL DISC WITH GOOD COMBINATION OF PLAIN & NOTCHED DISC

# DISCHARROW

## TRAILED TYPE HYDRAULIC DISC HARROW



THREE BEAM HEAVY STRUCTURE FRAME. HELPS TO PENETRATE IN SOIL EASILY



NOTCHED BLADE HELPS HARROW TO PENETRATE IN FIELD EASILY



IT KILLS OFF UNWANTED CROPS AND REMAINDERS THAT WOULD OTHERWISE HINDER THE GROWTH OF THE WANTED CROPS



HYDRAULICALLY LIFTED CENTER TYRE FOR EASE IN TRANSPORTATION

## TECHNICAL SPECIFICATIONS

Model Name	No. of Disc	Type of Disc	Disc Diameter (mm)	Disc Spacing (mm)	Working Width (mm)	No. of Bearing Hubs	Gang Rod (mm)	Tyre Size	Depth Control	Mounted	Weight (Kg. approx.)	Tractor Power (HP)
SL-THD-10-H	20	Front Notched & Rear Plain	660	225	2300	8	40	7.50-16	Hydraulically	Trailer Hook	1650	70-80
SL-THD-12-H	24				2700						1850	90-100
SL-THD-14-H	28				3100						2050	100-110
SL-THD-16-H	32				3500						2250	150 & above

# DISCHARROW



## MOUNTED OFFSET



COMBINATION OF PLAIN & NOTCHED BORON STEEL DISC



HIGH QUALITY BORON STEEL DISC



USED FOR CHOPPING UP UNWANTED WEEDS OR CROP RESIDUE

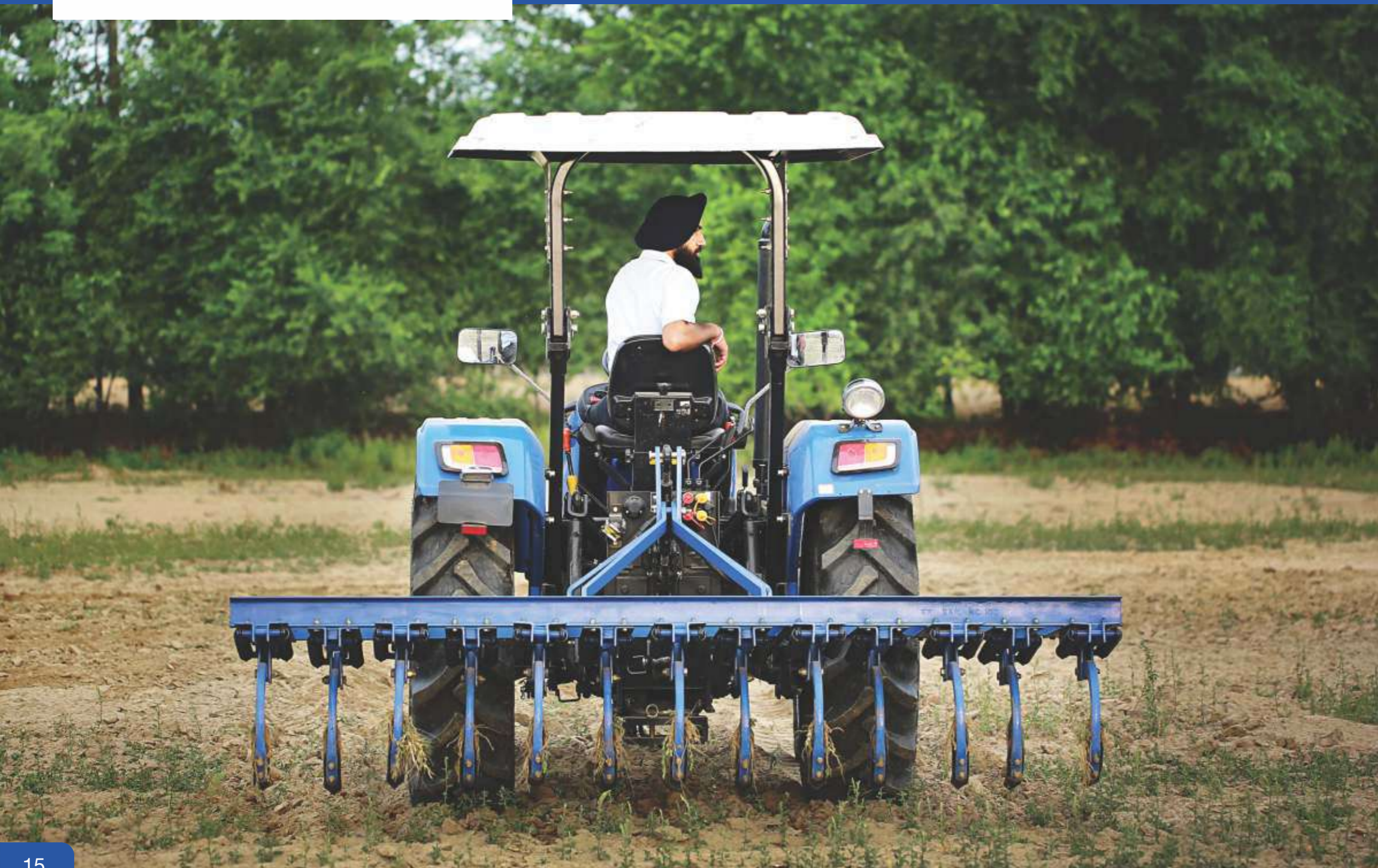


## TECHNICAL SPECIFICATION

Model Name	Frame (mm)	Gang Bolt /Axle Type (mm)	No. of Disc	Type of Disc	Disc Diameter (mm)	Width of cut (mm)	Disc Spacing (mm)	Bearing Hubs	Weight (Kg. approx)	Tractor Power (HP)
SL-DH 10 M	Angle 65x8	28.5	10	Notched disc Front Gang & Plain Disc in Rear Gang	455	1065	225	4	205	20-26
SL-DH 12	75x10 Angle Frame with 100x 50 Front Channel	31.5 (Solid Sq. Rod)	12		560	1370-1420	228		390	30-40
SL-DH 14			14		1585-1635	228	430		40-50	
SL-DH 16			16		1798-1852	228	6	500	50-60	
SL-DH 18			18		2018-2068	228	8	575	60+	
SL-DH 20			20		2235-2285	228		615	75+	
SL-DH 24			24		2668-2718	228		731	90+	



# CULTIVATOR



Solis Cultivators helps in proper soil manipulation to prepare smooth & loose seedbed before planting. It loosens & aerates the soil to a depth of 9 inches in most effective and economical way.



## SALIENT FEATURES

- Robust frame
- Heavy duty forged tyne
- Heavy duty springs to absorb sudden impact
- Superior powder coated paint



HEAVY DUTY TYNE MADE OF EN9 MATERIAL



SPECIALLY DESIGNED FOR TOUGHEST FIELD OPERATIONS



HEAVY DUTY FRAME CHANNEL

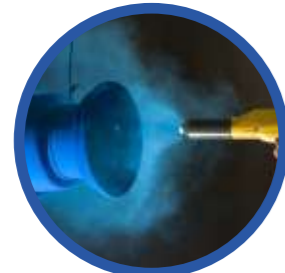


BEST QUALITY HEAVY DUTY SPRINGS TO ABSORB SHOCKS

## DOUBLE SPRING LOADED SERIES



HEAVY DUTY SPRING



SUPERIOR POWDER COATED PAINT PREVENT FROM RUST



BORON STEEL SHOVELS DESIGNED FOR TOUGH OPERATIONS



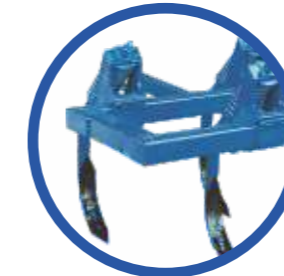
HEAVY DUTY FRAME



## SINGLE SPRING LOADED SERIES



SINGLE ACTING SPRING DESIGN



ENHANCED BEAM CLEARANCE



REVERSIBLE SHOVELS



## TECHNICAL SPECIFICATIONS

		Model	Spring (mm)	Tyne (mm)	Shovels (mm)	Width (mm)	Length (mm)	Height (mm)	Weight (Kg. Approx.)	Tractor Power (HP)
Double Spring Loaded Series	Mini	SL-CL-MS5	9.5 WD / 44 OD/27 Coil	22x19 (Forged)	8(EN-45)	1205	834	930	140	20-24
		SL-CL-MS7				1640			170	26-30
	Heavy Duty	SL-CL-MH9	10 WD / 50 OD / 28.5 Coil	50x25 (Forged)		2039	878	1157	290	45+
		SL-CL-MH11				2492			370	55+
		SL-CL-MH13				2945			440	65+
		SL-CL-MH15				3520	915	1170	520	75+
		SL-CL-HF15				3520			540	75+
		SL-CL-HF17				3970			650	90+

\*Data and specifications are subject to change without any advance notice due to continuous product improvement and development.

## TECHNICAL SPECIFICATIONS

		Model	No. of Tyne	Frame (mm)	Tyne Size (mm)	Shovels (mm)	Width (mm)	Working Width (mm)	Height (mm)	Weight (Kg. Approx.)	Tractor Power (HP)
Single Spring Loaded Series	SL-CL-SS11	11	72x72x5 (Sq. Pipe)	26	8(EN-45)	2620	2570	1170	1170	350	45-50
	SL-CL-SS13	13				3070	3020			400	55-60
	SL-CL-SS15	15				3520	3470			450	60-65
	SL-CL-SS17	17				3970	3920			500	70-90

\*Data and specifications are subject to change without any advance notice due to continuous product improvement and development.



MB Plough used for initial soil preparation for sowing seed or planting. It is generally used for deep tillage of land, to help turn over the upper layer of the soil, bringing fresh nutrients to the surface, while burying weeds and remains of previous crop. It also aerates the soil, allows it to hold moisture better and is tough to withstand heavy loads.



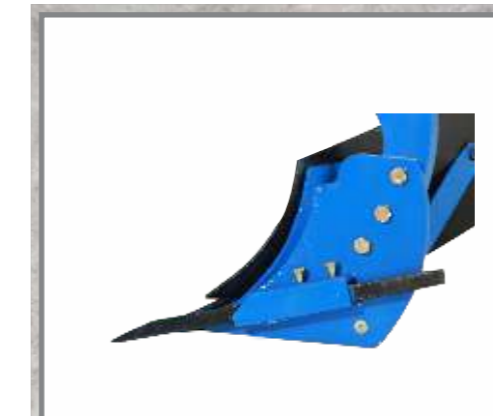
Specially designed for breaking, raising turning & mixing of soil.



Useful in hard and dry trashy land conditions



Robust Profile cut types works properly in all type of soil.



The bar point is provided with max. possible length for longer life

## SALIENT FEATURES

- The plough is made from boron steel body
- Height adjustable drawbar
- Adjustment for working depth
- Reliable turnover mechanism
- Overload safety protection

# MB PLOUGH

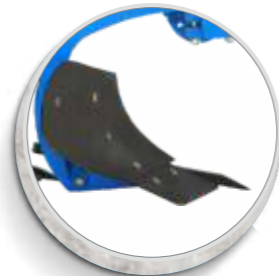
Mini / Heavy Duty Series



ROBUST FRAME



HEAVY DUTY FURROW



LONG LASTING HEAVY DUTY BLADE & BAR POINT



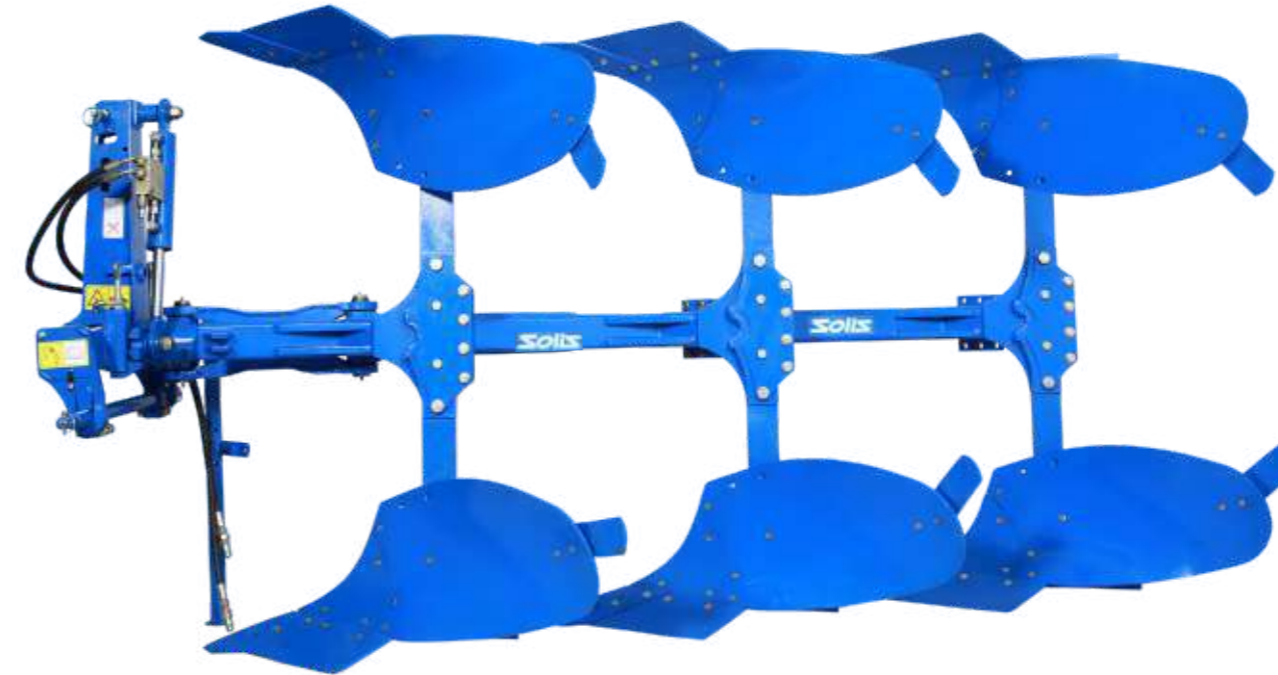
HEAVY DUTY 3 POINT LINKAGE

## TECHNICAL SPECIFICATIONS

Model Name	Furrow	Frame (mm)	Draw Bar Rod (mm)	Tines (mm)	Mould Board Thickness (mm)	Bar Point	Width Of Cut (mm)	Weight (Kg. approx)	Tractor Power (HP)
SL-MP-02 MINI	2	72X72 Square Bar	45 (Solid Rod)	28mm (Profile Cutting)	6	32	400	120	20-26
SL-MP-02	2	80 x 80 (Square Frame)	50 (Solid Rod)	36mm (Profile Cut Single Piece)	8	34	610	240	45+
SL-MP-03	3						910	350	50+
SL-MP-04	4						1210	450	60+

# MB PLOUGH

Reversible MB Plough



STRONG TURNOVER MECHANISM FOR REVERSIBLE OPERATION



FURROW ANGEL ADJUSTMENT FOR BIGGER FURROWS



HEAVY DUTY DESIGN HELP TO PENETRATE IN FIELD EASILY



HEAVY DUTY FRAME DESIGN

## TECHNICAL SPECIFICATIONS

Model Name	Frame (mm)	No. of Furrow	Turnover Mechanism	Tyne (mm)	Working Width (mm)	Mould Board (mm)	Plough Share (mm)	Weight (Kg. Approx.)	Tractor Power (HP)
SL-RP-02	90x90x7 (Sq. Tubular Frame)	2	Hydraulic	25 (Boron Steel) (Profile Cut Single Piece)	610	8	15	440	60-75
SL-RP-03	90x90x7 (Sq. Tubular Frame)	3			915			560	75-90



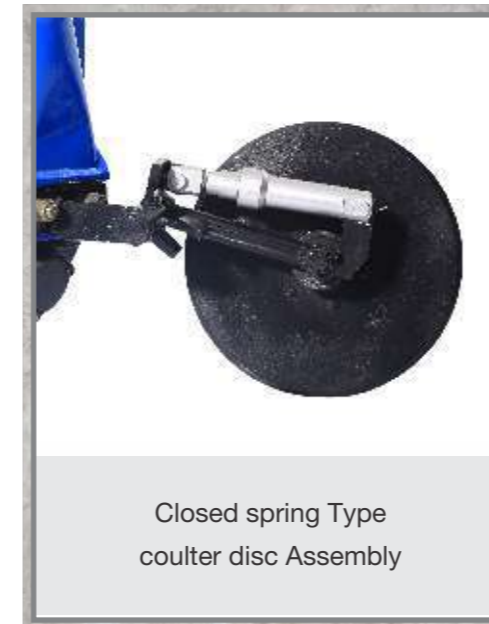
Disc Plough is used for cutting, lifting and turning of the soil. It cuts trash and buries it completely. It is also used for turning green manure crop for decaying under the soil, which adds humus to the soil. It is also used for turning and mixing compost, farmyard manure or lime into the soil.



Bar type scrapper for long life



Strong and robust Frame made of seamless Tubular pipe



Closed spring Type coulters disc Assembly



Longer life of Boron steel Discs

## SALIENT FEATURES

- The plough has durable boron steel disc
- Heavy duty frame
- Depth control disc
- Scraper to provide good turning effect

# DISC PLOUGH

## REGULAR SERIES



SCRAPPER BAR TYPE



HEAVY DUTY FRAME



DIRECTION CONTROL DISC



DURABLE BORON STEEL DISC

## TECHNICAL SPECIFICATIONS

Model Name	NO OF DISC	TYPE OF DISC	DISC DIAMETER (MM)	WORKING WIDTH (MM)	BEARING HUBS	DRAWBAR TYPE	WEIGHT (KG. APPROX.)	TRACTOR POWER (HP)
SL-DP-02M	2	Plain	510x5T	400-450	2	Round/ Hexagonal	170	20-26
SL-DP-02	2		500-550	2	295		50-60	
SL-DP-03	3		850-900	3	395		60-75	
SL-DP-04	4		1100-1150	4	495		80-90	
SL-DP-05	5		1600-1650	5	600		100-110	

# DISC PLOUGH

## HULK SERIES



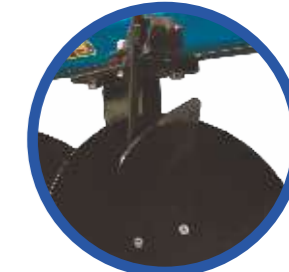
SPRING TYPE COULTER DISC ASSEMBLY



STRONG AND ROBUST FRAME



HIGH CLASS BORON STEEL DISCS



ADJUSTABLE SCRAPPER

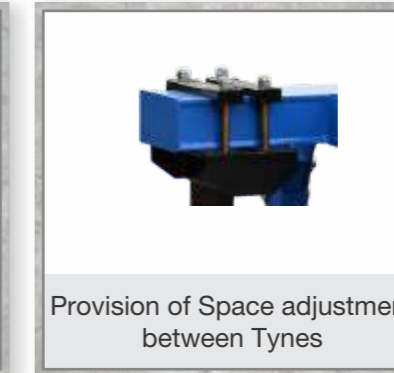
## TECHNICAL SPECIFICATIONS

Model Name	NO OF DISC	TYPE OF DISC	DISC DIAMETER (MM)	WORKING WIDTH (MM)	BEARING HUBS	DRAWBAR TYPE	WEIGHT (KG. APPROX.)	TRACTOR POWER (HP)
SL-HS-03	3	Plain	660 / 710* (Optional)	875-900	3	Hexagonal	450	60-75
SL-HS-04	4			1150-1200	4		550	75-90

# SUB SOILER



Sub Soiler is an agriculture implement developed for deep tillage which is beyond the scope of other primary implements. Solis Sub Soiler is a cost-effective machine with high resistant steel shovels & works effectively in tough conditions. The breaking of hard pans deep into the soil ensures optimum moisture availability to the crop & hence increases its overall productivity.



## TECHNICAL SPECIFICATIONS

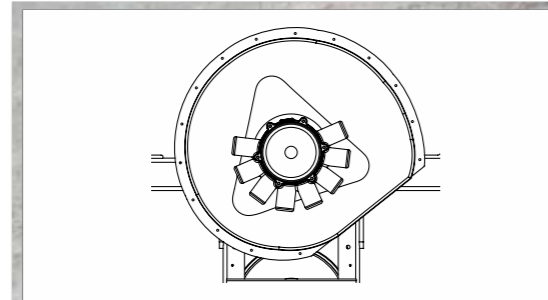
 Model Name	 Length (mm)	 Width (mm)	 Height (mm)	 Width of Cut (mm)	 Working Depth (mm)	 No. of Shanks	 WEIGHT (KG. APPROX.)	 Power Required (HP)
SL-SS1	660	685	1250	Single Shank	600	1	130	35 to 45
SL-SS2	1065	1790	1250	750- 790	600	2	295	55 to 60
SL-SS3	1065	1790	1250	1490 - 1530	600	3	355	75 to 80
SL-SS5	1525	3375	1270	2950- 3050	800	5	730	100 to 120

# PNEUMATIC PLANTER

Pneumatic Planters are precision agriculture implement developed keeping in mind to increase productivity and to ensure accurate seeding. Pneumatic planters works for all types of seeds, thanks to numerous seed disc available for different type of crops.



Precise metering device to sow seeds of different sizes such as maize, peas, sunflower, soybean, etc.



Excellent fan system which is perfectly balanced, provides Continuous and required pressure



Regular and uniform seed distribution in field, which provides higher productivity



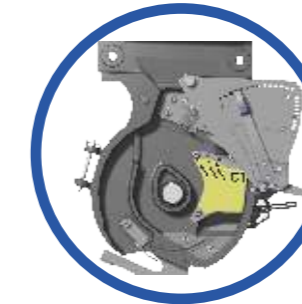
Fast sowing speed which ensure higher land coverage in less time



NO SEED BREAKAGE WHICH ENSURE LOSS OF SEEDS FOR PLANTING



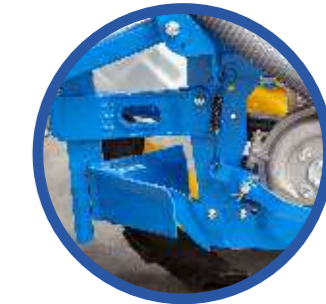
HIGH VACCUM VOLUME ENABLES BETTER PLANTING



BETTER OPTIONS FOR VARIETY OF SEED DISCS



PRECISION IN SEED DISTANCE SETTING



PRECISION IN SEED DEPTH ADJUSTMENT

## TECHNICAL SPECIFICATIONS

Model Name	Row Unit Type	Number Of Row Units	Frame size (mm)	Row Space (mm)	Tyre Size	Row Marker (standard)	Power Requirement	Weight (kg.)
SL-PP-4A	COULTER TYPE	4	3300	900	5.00X15	SINGLE HYDRAULIC MARKER	60-75	700



# AUTOMATIC POTATO PLANTER-ECO

The Automatic Potato Planter is useful in planting potato seeds with incredible singulation, ensuring no two potatoes are buried in a single place. Another advantage with this equipment is uniform depth during the process with the right level of soil compaction resulting in a healthy & greater yield.



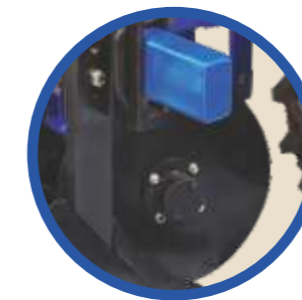
RIGID AND CONCAVE SHAPED MOULD BOARD FOR PROPER RIDGE FORMATION



FURROW OPENER WITH REPLACEABLE WEAR & TEAR POINT AND DEPTH ADJUSTABLE SPIKE



WORLD CLASS POWDER COATED PAINT



BORON STEEL DISCS



POTATO HOLDING CUPS PROVIDING ZIG ZAG PLANTING



MECHANICAL VIBRATOR



## TECHNICAL SPECIFICATIONS

Description/ Models	SLPPL E- 2	SLPPL E- 4
No. Rows	2	4
No. Furrow Opener	2	4
No of Ridge Maker	3	5
Distance between rows (mm)	600-660 mm	
Working depth (mm)	130-150	
Working Width (mm)	1320	2640
Powered by	Wheels	
No. of cups	2X34	4X34
Size of Potato seeds	30-75(cut or uncut)	30-75(cut or uncut)
Fertilizer Tank (kgs.)	75	150
No. of Conveyor	2	4
Hopper capacity (Kgs.)	240	420
Planting Capacity (Acre/Hrs.)	1.25	2.5
Total Length (mm)	2100	
Total Width (mm)	1700	3000
Total Height (mm)	1550	
Total Weight (unladen) (Kgs. Approx.)	580	880
Potato Planting distance (mm)	100-125-150-175-200-225-250-300	
Lower Linkage Category	CAT II	
Tractor Power (HP)	40-60	60-75

# POTATO DIGGER

Solis potato digger can be used for harvesting potatoes very easily due to its efficient operation & easy mounting on tractor. The Digger ensures that potatoes are lifted from the soil bed and transferred onto webs where the loose soil is separated.



Excellent soil crush with a good combination of working structure.



Solis Potato Harvester digs out and spreads potatoes on the soil behind to make it collecting easy.



Keeps the machine balance by transferring power to both sides from the specially designed transmission.



Single plate body.



# POTATO DIGGER



## SEMI AUTOMATIC POTATO HARVESTER/DIGGER



Cage option available to have SS Chain Type Cage or Belt Type Cage.



Both Side Drive of conveyor with belt.



Simple tightening is required, if the belt or chain gets loose.



The special conveyor chain system reduces load, prevents damage to crops & failure and extend the service life.

## TECHNICAL SPECIFICATIONS

Description/ Models	SLPH 52
No. Rows	2
Working depth (mm)	130-200
Working Width (mm)	1320
Powered by	Gear Drive
Cage Type	Belt / SS Chain
Harvesting Capacity (Acre/Hrs.)	1 Acre Per Hour
Total Length (mm)	2200
Total Width (mm)	1400
Total Height (mm)	1150
Total Weight (unladen) (Kgs. Approx.)	605
Roller For Bed Prepration	Yes
Tractor Power (HP)	40-60

# FLAIL MOWER

## PLUTO SERIES

Solis Pluto series is the best solution to shred heavier grass & shrubs with your compact and sub compact range of tractors. This mighty mite comes up with pre-eminent features like anti wrapping guards on roller & rotor, self sharpening boron steel Y Blades, best rotor design, optional hammer blades & heavy duty frame design to upstand the tough shredding jobs with ease.



SPECIALLY DESIGNED BORON STEEL Y FLAIL MOWER BLADES



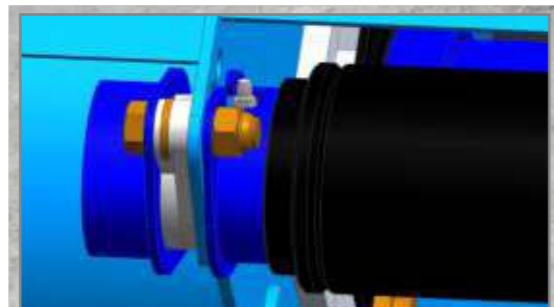
HAMMER TYPE BLADES AVAILABLE FOR HEAVY DUTY OPERATION (OPTIONAL)



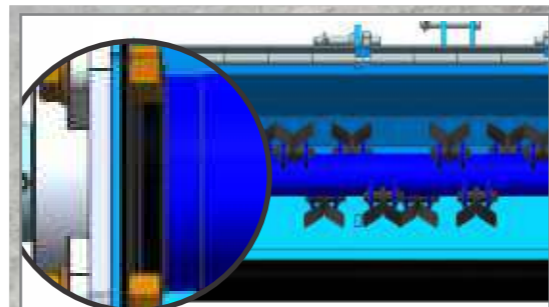
SPECIALLY DESIGNED DRIVESHAFT COVER



STURDY CORRUGATED STRUCTURE



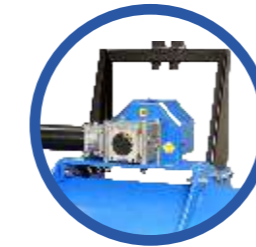
ROLLER WITH ANTI-WRAPPING GUARD



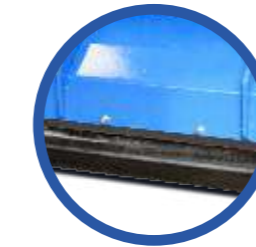
ROTOR WITH GRASS ANTI WRAPPING GUARD

# FLAIL MOWER

## PLUTO SERIES



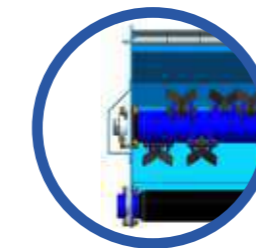
HEAVY DUTY HITCH PYRAMID



STANDARD REAR ROLLER



FRONT FLAP STEEL CURTAINS



BEARINGS POSITIONED OUTSIDE THE MAIN FRAME WITH SPECIAL COVER



	Model Name	Over all Length (mm)	Over All Width (mm)	Over All Height (mm)	Cutting Width (mm)	Y-blade	Hammer Blade (optional)*	3-point Linkage Category	Input RPM	Gear Box	Rotor RPM	Tractor Power (HP)	Approx Weight (kg)
<b>PLUTO SERIES</b>	SLPFMC-75	1020	609	734	780	28	14	CAT I	540	Incremental Ratchet Type Gear Box	2109	12-30	128
	SLPFMC-90	1150			915	34	17						137
	SLPFMC-105	1280			1030	38	19						145
	SLPFMC-130	1540			1300	48	24						163
	SLPFMC-155	1800			1550	58	29						181

\*Also available in mechanical side shift option

# GROOMING MOWER

Grooming mower is a rear mounted garden equipment used to provide even and smooth cut for maintenance of grass environments like lawns, golf courses, athletic fields or any area with grasses under 8 inches length and helps in even dispersal of thin layer behind the mower.



STRONG 3 POINT LINKAGE SUITABLE FOR CAT I AND CAT II TRACTORS



ROLLOVER WHEEL TO AVOID DAMAGES AND EXTRA SUPPORT



3 EQUIDISTANT BLADES WITH HIGH TIP SPEED FOR EVEN CUT



HEAVY DUTY GEARBOX



STURDY STRUCTURE



AVAILABLE WITH PTO GUARD



CLASS CUTTING HEIGHT FROM 1" TO 3"



DURABLE RUBBER TYRES



## TECHNICAL SPECIFICATION

Model Name	Overall Length (mm)	Cutting Width (mm)	Cutting Height (mm)	3-point Hitch Type	Tractor Power (HP)	Wheel Type	Belt (Number & Type)	Number of blades	Blade size (mm)	Blade tip Speed (fpm)	Spindle Type	Spindle Bearings	Front roller	Deck Thickness (mm)	Weight (Kg)	
SLGM-1.2	1370x1400x850	1210	19-110	Cat-I/II	16-50	Solid Tyre 10x3.25	2 SPB Type 1500	3	6x60x415	13585	With Greasable Ball Bearing	Bearing 6206	100x240	4	205	
SLGM-1.5	1640x1540x850	1510			20-50				6x60x515	14085						228
SLGM-1.8	1890x1540x850	1805			6x60x616				14192	253						

Mulcher is an agricultural implement use to mulch the crop residues and mix it well in the soil which helps soil retain moisture by shading the earth and acting as a blanket. Solis Mulcher is known for its heavy duty operation and long life.



HEIGHT ADJUSTMENT ROLLER



SIDE BELTS FOR TRANSMISSION



CERTIFICATION AVAILABLE



HAMMER BLADE AVAILABLE (OPTIONAL)



POWERFUL GEARBOX



AVAILABLE IN HAMMER & Y BLADES



DOUBLE SHIELDED STABLE STRUCTURE

## TECHNICAL SPECIFICATION

Model Name	Working Width (mm)	Overall width (mm)	Speed of flail rotary, (RPM)	No. of row of flail sets on rotor	No. of row of blade sets on rotor	Type of Blades	Rotor drum diameter (mm)	No of rows of blades on the concave	Approx Weight (Kg)	Main frame sheet thickness (mm)	Side plates sheet thickness (mm)	Trailing board sheet thickness (mm)	Rear end following mechanism	Hitching Pyramid	No. of belts	Tractor Power (HP)
SLM5	1575	1850	2240 at 540 tractor PTO RPM	2	16	Inverted Gamma type/ Hammer type	Inverted gamma type-673 Hammer type-580	3 (only for paddy straw)	580	5	10	5	Press Roller/ Wheel	Cat II	4	45
SLM6	1880	2155			18				652							50
SLM7	2185	2460			20				702							60
SLM8	2490	2765			22				750							75

# ROTARY SLASHER

Rotary Slasher is a sturdy implement which is most suitable for slashing pasture topping and shrubs. It also very well suffices the purpose of maintaining grasslands, road verges and lawn. Rotary Slasher or Slasher allows one to perform the most versatile method of grass cutting i.e. slashing.



High Quality Strong body



Boron steel heavy duty cutting blade



HEAVY DUTY GEAR BOX



PTO SHAFT WITH SAFETY SHEAR BOLTS FOR EXTRA SAFETY



MOUNTED WITH 3 POINTS LINKAGE FOR EASE OF OPERATION

## TECHNICAL SPECIFICATIONS

	Model Name	Overall Length (mm)	Overall Width (mm)	Overall Height (mm)	Cutting height (mm)	3 Point Linkage	Tractor PTO Rpm Input	Blade Type	No. of Blades	Protection	Rotary Blade RPM	Tractor Power (HP)	Weight (Kg)
Light Weight Series	SLRSL-1	1252	1100	730	30-100	CAT 1	540	Z-Type Rotary Blade	2	Chain	1661	15-30	145
	SLRSL-1.2	1454	1288									20-30	165
	SLRSL-1.35	1601	1438									25-30	185

	Model Name	Tractor Power (HP)	Working Width (mm)	Main Frame sheet (mm)	3 Point Linkage	Gear Box	No. of Blade	Length (mm)	Width (mm)	Height (mm)	Cutting Height (mm)	Rear Protection	Front Protection	PTO RPM	Weight approx (kg)
Heavy Weight Series	SLRSH95	15-25	915	3	Cat I & II	S G Iron	2 Reversible Type	1085	1065	760	25-100	Chain	Rubber Flap	540	300
	SLRSH125	35-45	1220	4	Cat II			1340	1320	860					400
	SLRSH150	50-70	1524					1700	1680	960					500
	SLRSH180	60-75	1830					2000	1980	960					650



Mid Mower is designed to cut lawn grass and useful in landscaping. Used for garden purpose and lawn cutting at larger scale.



EASY HEIGHT ADJUSTMENT



QUICK ATTACH & DETACH



HEAVY DUTY BODY FRAME

## TECHNICAL SPECIFICATION

Model Name	No. of Blades	Mounting Method	Discharge	Cutting Width (mm)	Cutting Height (mm)	Overall Width (mm)	Weight (KG)	Belt	Blade Spindle Speed	Blade Tip Speed	Blade Length (mm)	Number of Antiscalp Rollers	Mower Deck Thickness (mm)	Mower Deck Height (mm)
SLMM60	3	Parallel linkage with Hydraulic Cylinder	Side Discharge	1515	25-90	1860	160	Single V-Belt	2718 RPM	14510 fpm (73.7 m/s)	525	4+1	4	100

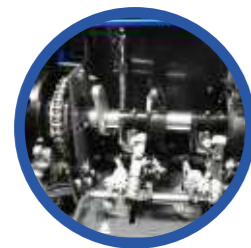
# SQUARE BALER

## OFFSET SERIES

Square Baler used to compress, cut and rake crop into bales that are easy to handle, store and transport. A baler, most often called a hay baler is a piece of farm machinery used to compress a cut and rake crop (such as hay, cotton, flax straw, salt marsh hay, or silage) into compact bales that are easy to handle, transport, and store. Often, bales are configured to dry and preserve some intrinsic (e.g. the nutritional). value of the plants bundled.



FAN SYSTEM ENSURES CLEANING OF BINDING COMPONENTS



2 KNOTTER MECHANISM



EFFICIENT PICK UP SYSTEM ENSURES PROPER PICKING UP OF BALE MATERIAL



RELIABLE COMPRESSION CHAMBER PROVIDES OPTIMUM COMPRESSION TO BALES



EFFICIENT BALE COUNTER HELPS IN EASY COUNTING OF BALES

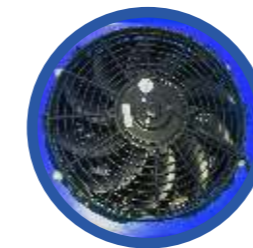
## TECHNICAL SPECIFICATIONS

Model Name	Knotters	HP	Bale			Pick-up	Machine Weight	Baler Dimension		
			W x H (cm)	L (cm)	Wt (Kg)			cm	cm	cm
SLSB -165	2	55 - 90	36X46	30-140	Up to 50	163	2000	553	253	188
SLSB -185						185				
SLSB -191						191				

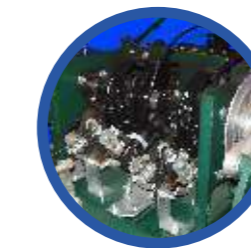
# SQUARE BALER

## INLINE SERIES

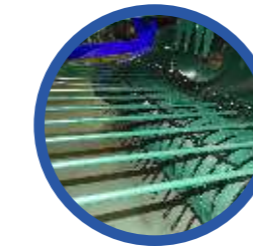
The Solis inline Square baler is specially designed for versatile operations with maximum productivity. The inline design ensures easy picking of windrows at random in either direction without the bales blocking the path of tractor. The convenient design along with the pre-eminent features of the machine enhances the ease of operation and makes it the most preferred choice in its league.



FAN SYSTEM ENSURES CLEANING OF BINDING COMPONENTS



2 KNOTTER MECHANISM



EFFICIENT PICK UP SYSTEM ENSURES PROPER PICKING UP OF BALE MATERIAL



RELIABLE COMPRESSION CHAMBER PROVIDES OPTIMUM COMPRESSION TO BALES

## TECHNICAL SPECIFICATIONS

Model Name	Working Width (cm)	Bale Length (cm)	Bale Height (cm)	Bale Width (cm)	Bale Weight (kg)	Binding Twine	Tractor Power (HP)	Efficiency (Bales/HR)	PTO RPM	Tyre Size	Dimensions (LXWXH) (cm)	Weight (kg)
SLSB-165	170	30-120	36	46	10-26	PP	40-70	200-250	540	11.5/80-15.3 Tubeless	494x245x194	1805

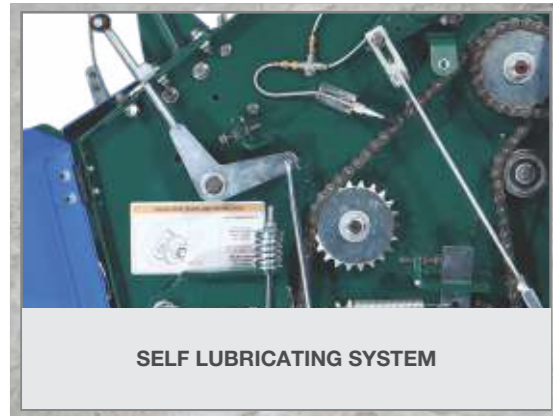


# ROUND BALER

SOLIS round baler is suitable to compress all types of windrowed crops with best efficiency. It produces 14-36 kg round bales which can be easily handled. It has a very economical design with best features which makes it apt for baling crops like marsh, hay, cotton, flax and straw easily.



ROBUST PICK UP SYSTEM



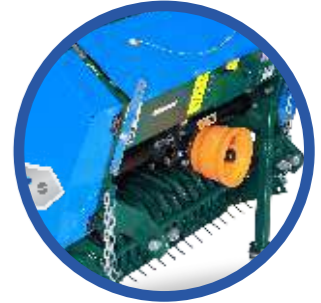
SELF LUBRICATING SYSTEM



STURDY DESIGN



SAFETY SLIP CLUTCH FOR DRIVE OVERLOAD PROTECTION

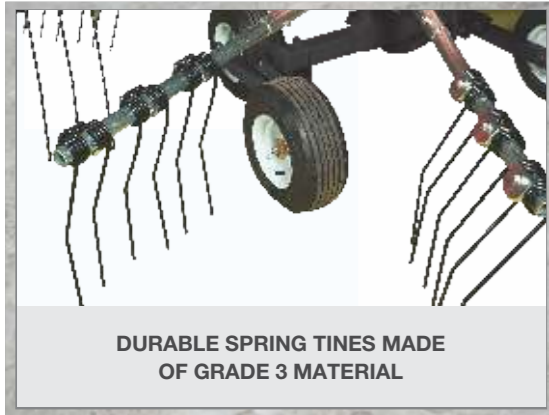


HEAVY DUTY GEARBOX

## TECHNICAL SPECIFICATION

Model Name	Working Width (cm)	Bale Chamber (cm)	Bale Length (cm)	Bale Diameter (cm)	Bale Weight (kg)	Binding Twine	No. of Rollers	Bale Ejection	Lubrication	Efficiency (Bales per hour)	Tractor Forward Speed (km/hr)	Tractor Power (HP)	PTO RPM	Dimension (LxWxH) (cm)	Approx Weight (Kg)	Tyre Size	Drive Protection
SLRB-0.8	80	70	70	50	14-17	Jute Twine / PP	10	Manual / Automatic (Optional)	Central oil lubricating system for chains	60-80	2-5	25-60	540	125x148x116	465	16 x 6.50 - 6 ply - Tubeless	Shear Bolt on Machine. Slip clutch in pickup reel
SLRB-1.15EW	115	105	105	50	18-22		10							125x180x116	553		
SLRB0.8J	80	70	70	60	24-28		12			140x148x132				515			
SLRB1.03J	103	93	93	60	28-32		12			140x169x132				580			
SLRB-1.15J	115	105	105	60	32-36		12			140x180x132				620			

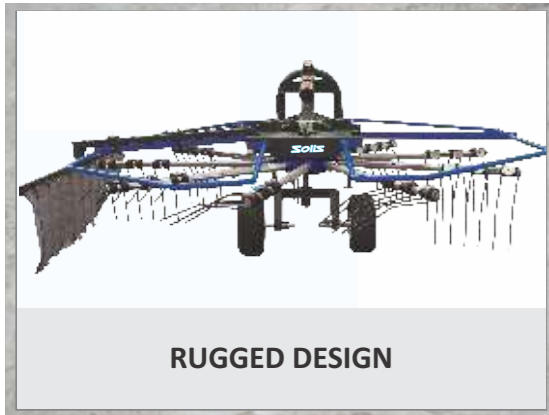
Solis hay rake is an implement used to make finest quality windrows with minimum contamination with precise action of long arms along with the reduction gearbox. The well structured fluffy windrows helps in making compact bales smoothly. It is designed with superior durability and works efficiently in almost all conditions.



DURABLE SPRING TINES MADE OF GRADE 3 MATERIAL



CAM DRIVEN MAINTENANCE FREE GEARBOX



RUGGED DESIGN



SAFETY GUARD



## TECHNICAL SPECIFICATION

Model Name	Hitching System	Tractor Power (HP)	Max. Working Width (mm)	Number of Rotors	Rotor Diameter (mm)	No. of Arms Per Rotor Unit	Tine Diameter (mm)	Tine Arm Style	Working Speed (km/h)	Standard Tyres	Dimension (LxWxH) (mm)	No of Wheels/ Tyres	Weight (kg)
SLR 360/2	CAT-II Standard 3 point hitch	30 & above	3600	1	2700	9	10	Double Coiled & Tangential	2 to 6	13 x 5.00 - 6PR	3600 X 4000 X 1300	2	380

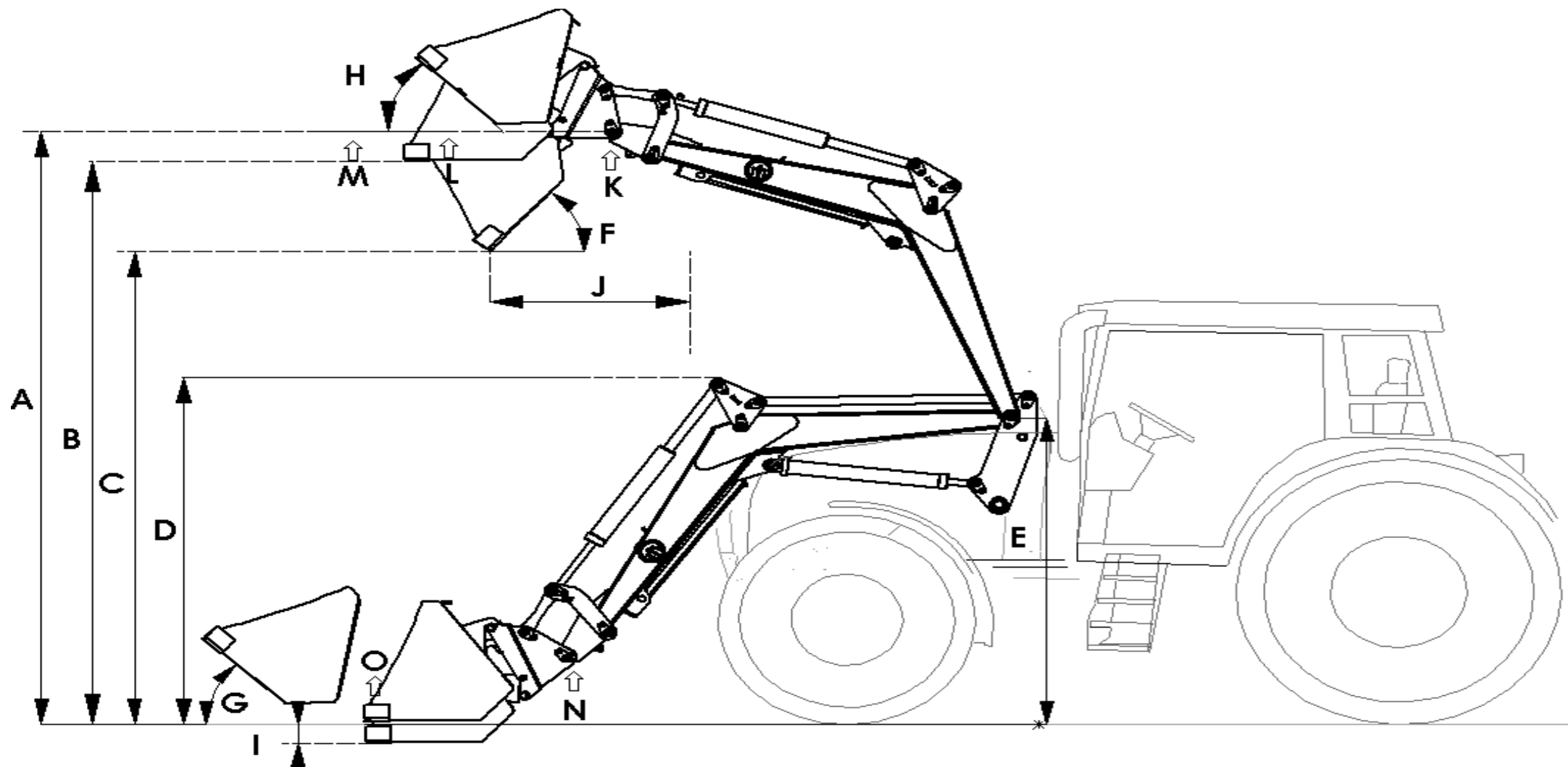


A loader is a type of tractor attachment that has a front-mounted wide bucket connected to the end of two booms (arms) to scoop up loose material from the ground, such as dirt, sand or gravel, and move it from one place to another without pushing the material across the ground.



AUTOMATIC SELF LEVEL  
AT TIME OF LOADING



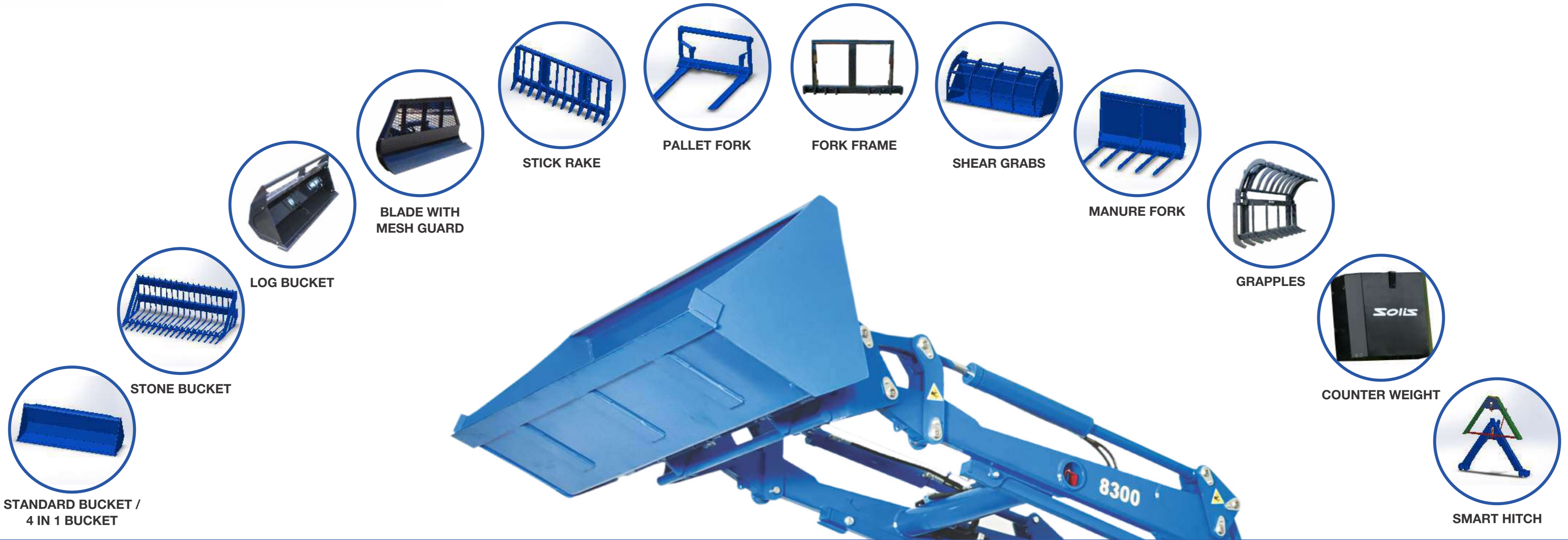


## TECHNICAL SPECIFICATION

Loader Model Name		2400	3200	5500	7300	8300	8700
Tractor (HP)		15-24	15-26	40-60	50-80	50-90	70-110
A.	Maximum Lift Height At Bucket Pivot Pin (mm)	1900	2170	2800	3110	3460	3720
B.	Maximum Lift Height At Bottom Of Bucket (mm)	1752	1950	2530	2770	3120	3380
C.	Dump Clearance (mm)	1435	1635	2085	2200	2560	2810
D.	Overall Height In Carry Position (mm)	1120	1170	1600	1820	1890	1990
E.	Lifting Arm Pivot (mm)	950	1000	1450	1600	1700	1850
F.	Dump Angle (°degree)	46	45	44	59	54	55
G.	Crowd Angle Loader at Ground Level (°degree)	44	43	32	45	46	45
H.	Crowd Angle Loader at Full Height (°degree)	48	47	40	48	48	48
I.	Digging Depth (mm)	60	106	140	340	280	230
J.	Reach Under Dump Bucket (mm)**	380	790	800	1000	725	980
	Arm Centers (mm)	800	800	1000	1100	1100	1100
	Bucket Width (mm)	1200	1200	1650	1800	1800	2100
	Bucket Volume (m3)	0.13	0.13	0.34	0.47	0.47	0.55
	Bucket Weight (Kg)	45	45	160	190	190	210
	Rated Capacity (Kg)	280	300	800	1000	1000	1200
K.	Lift Capacity To Max Height At Pivot Pins (Kg)	540	430	900	1220	1300	1460
L.	Lift Capacity 500 mm Further To Bucket pivot (Kg)	500	400	-	-	-	-
M.	Lift Capacity 800 mm Further To Bucket pivot (Kg)	-	-	850	1240	1310	1500
N.	Breakout force at pivot pins (KgF)	540	485	1540	1800	1940	2130
O.	Roll back force at Ground Level (KgF)	930	920	1280	2920	2930	3520
	Rollback force loader at max reach (KgF)	780	855	1400	2670	2710	3200
	Front End Loader Weight (Kg)	170	210	550	800	820	950

\*\*2400 and 3200 Model Euro Hitch is optional

# LOADER ATTACHMENTS



STANDARD BUCKET /  
4 IN 1 BUCKET

STONE BUCKET

LOG BUCKET

BLADE WITH  
MESH GUARD

STICK RAKE

PALLET FORK

FORK FRAME

SHEAR GRABS

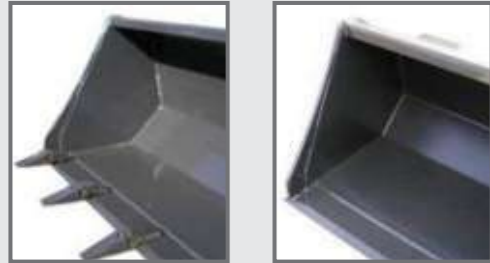
MANURE FORK

GRAPPLES

COUNTER WEIGHT

SMART HITCH

# LOADER ATTACHMENTS SPECIFICATIONS



Standard Bucket

Loader	Model	Width (meters)	HP Range	Struck Capacity	Rated Capacity	Dimensions LxWxH	Weight Kg
2400+3200	2000	1.2	15-24	0.11m <sup>3</sup>	0.13m <sup>3</sup>	1240x450x430	45
3200		1.35		0.12m <sup>3</sup>	0.15m <sup>3</sup>	1390x450x430	50
5500	6000	1.65	40-60	0.31m <sup>3</sup>	0.38m <sup>3</sup>	1710x690x560	145
		1.8		0.34m <sup>3</sup>	0.42m <sup>3</sup>	1860x690x560	160

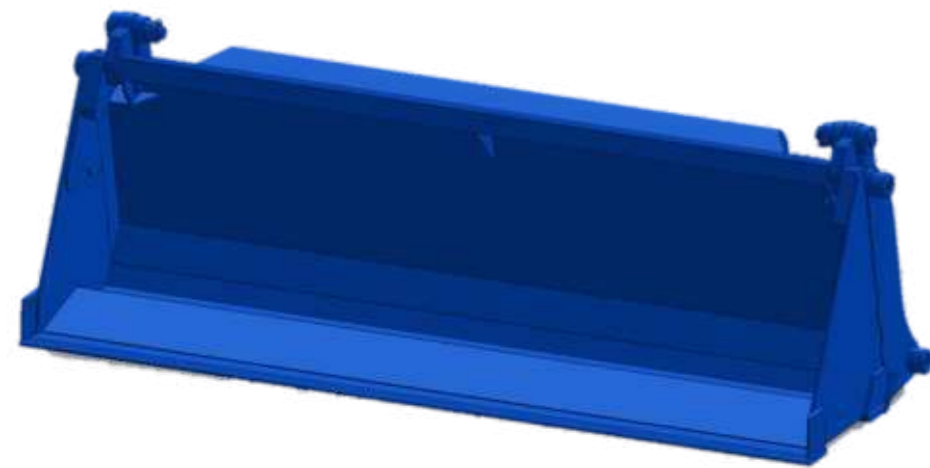
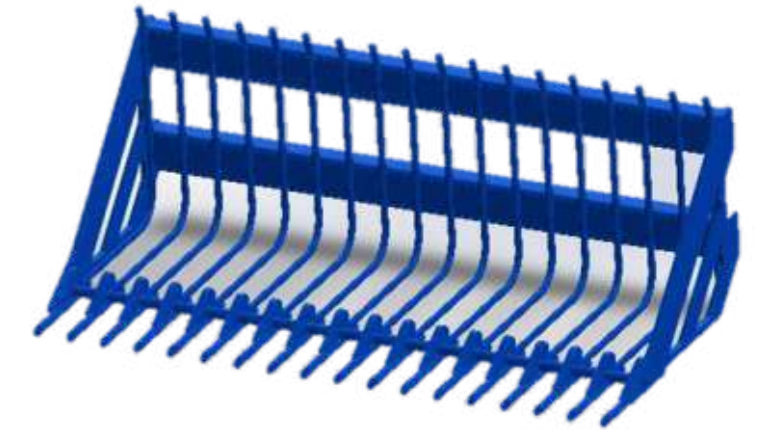


Optional Teeth upgrade



Stone Bucket

Loader	Model	Width (meters)	HP Range	Struck Capacity	Rated Capacity	Dimensions LxWxH	Weight Kg
2400-3200	2000	1.2	20-30	0.14m <sup>3</sup>	0.16m <sup>3</sup>	1260x900x600	90
5500	6000	1.65	40-60	0.41m <sup>3</sup>	0.45m <sup>3</sup>	1710x950x700	185
		1.8		0.44m <sup>3</sup>	0.49m <sup>3</sup>	1860x950x700	200



4-in-1 (Requires 3rd Function)

Loader	Model	Width (meters)	HP Range	Struck Capacity	Rated Capacity	Dimensions LxWxH	Weight Kg
2400+3200	2000	1.2	15-24	0.08m <sup>3</sup>	0.10m <sup>3</sup>	1260x440x420	80
3200		1.35		0.09m <sup>3</sup>	0.11m <sup>3</sup>	1410x440x420	90
5500	6000	1.65	40-60	0.20m <sup>3</sup>	0.26m <sup>3</sup>	1710x640x550	230
		1.8		0.23m <sup>3</sup>	0.29m <sup>3</sup>	1860x640x550	245



Log Bucket (with Bolt on Removable Sides)

Loader	Model	Width (meters)	HP Range	Struck Capacity	Rated Capacity	Dimensions LxWxH	Weight Kg
5500	6000	1.65	40-60	0.27m <sup>3</sup>	0.34m <sup>3</sup>	1710x690x560	160
		1.8		0.29m <sup>3</sup>	0.37m <sup>3</sup>	1860x690x560	180
8700+	8000	2.1	50-100	0.55m <sup>3</sup>	0.65m <sup>3</sup>	2160x750x660	275

# LOADER ATTACHMENTS SPECIFICATIONS



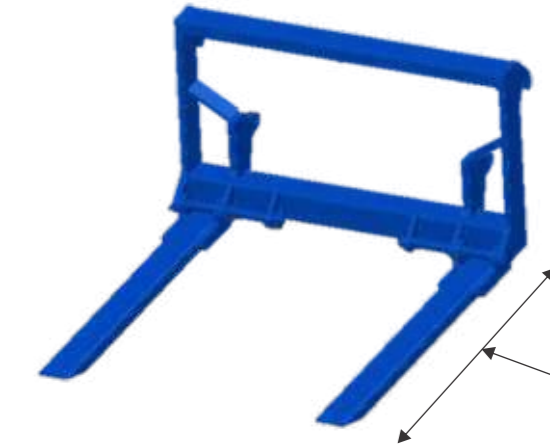
Blade with Mesh Guard for Front End Loaders

Loader	Series	Width (meters)	Height (mm)	Base Weight kg	HP Range	Manual Angle	Manual Tilt	Hydraulic Angle	Hydraulic Tilt	Mesh Backfill
2400+3200	2000	1.2	360	43	15-24	Manual Angle	Manual Tilt	Hydraulic Angle	Hydraulic Tilt	Mesh Backfill
5500	6000	1.5	460	120	40-60	Manual Angle	Manual Tilt	Hydraulic Angle	Hydraulic Tilt	Mesh Backfill
		1.8	460	149						



Adjustable Pallet Forks

Loader	Model	HP Range	Capacity kg	LxWxH	Weight Kg
2400+3200	2000	20-30	300	700x1027x500	80
5500	6000	45-70	1,000	1250x1435x750	160



Pallet length :  
560 mm  
800 mm  
1200 mm



Stick Rakes for Front End Loaders

Loader	Series	Width (meters)	Height (mm)	HP Range	Wings	Mesh In-fill	Mesh Top
2400-3200	2000	1.2	600	15-24	Wings	Mesh In-fill	Mesh Top
5500	6000	1.5	850	40-60	Wings	Mesh In-fill	Mesh Top
		1.8	850		Wings	Mesh In-fill	Mesh Top



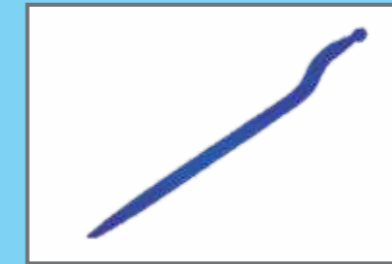
Sliding Tine Pallet Fork

Sliding Tine Forks					
Loader	Model	HP Range	Capacity kg	LxWxH	Weight Kg
5500+	Sliding Tine Fork	60+	1,000	1200x1255x750	250

# LOADER ATTACHMENTS SPECIFICATIONS

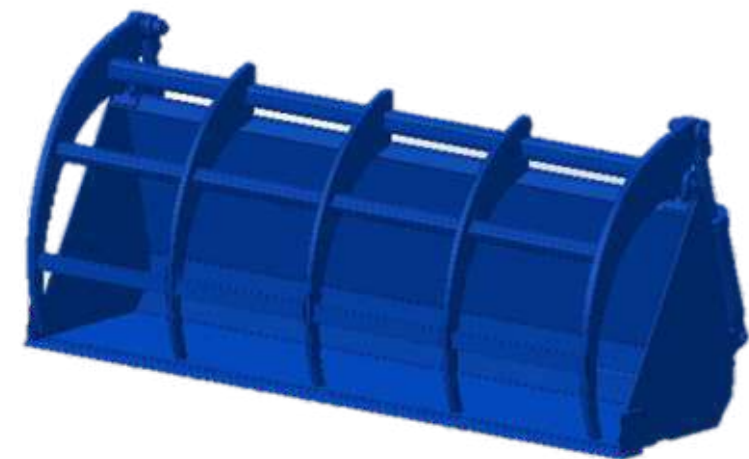
## Combination Fork Frame

Model	Loader	HP Range	Tine Length (mm)	Capacity kg	LxWxH	Weight Kg
5500+	Combination Fork Frame	60+			1435x750	120
	Round Bale Spike 2 x Conus II Tines		1240			8.20
	Square Bale Spikes 4 x Conus I Tines		1100			4.80
	Pallet Fork Tines (Pair)		1250	1,000		40
	Pallet Fork Tines (Pair)				1,500	50
	Adjustable High Back				1230x1200	30



## Manure Forks

Loader	Model Details	Tine Length mm	LxWxH	Weight kg
=>2400/3200	2000 Manure forks, 5 x Circular Tines, 198.75 mm Tine spacing, Size :1"	750	930x750x600	65
=>5500	1.65m Manure forks, 8 x Cranked Tines, 190 mm Tine spacing, Size :1 1/8"	820	1650x820x750	130



## Shear Grabs – Requires 3rd Function

Loader	Model	HP Range	Struk Capacity	Rated Capacity	LxWxH	Weight kg
2400-3200	1.2 Grabber bkt with Burder hitch	20-30	0.14m <sup>3</sup>	0.2m <sup>3</sup>	1260x440x420	80
	1.35	20-30	0.16m <sup>3</sup>	0.22m <sup>3</sup>	1360x440x500	95
5500+	1.65m	40-60	0.27m <sup>3</sup>	0.34m <sup>3</sup>	1710x690x560	145
	1.8	50-90	0.47m <sup>3</sup>	0.56m <sup>3</sup>	1860x750x660	225
7300-8300	2.1	50-90	0.55m <sup>3</sup>	0.65m <sup>3</sup>	2160x750x660	252



## General Purpose Grapples

Loader	Model	HP Range	Approx. Capacity	LxWxH	Weight kg
=>5500	1.5 metre GP Grapple	50-100	0.40m <sup>3</sup>	1500x700x1040	325
=>8300	2.1 metre GP Grapple	100-120	0.60m <sup>3</sup>	2100x700x1040	425





## Counter weight

Category	CAT-I	CAT-II	CAT-III
Approx (kg)	300	500	800



To be attached on tractor TPL



Implement to attach permanently with smart hitch



Hydraulic Top Link-Optional.

## Smart Hitch

Category	Cat 1 Mini	Cat 2	Cat 3	Cat 3 American Style
Rating Approx (kg)	1000	1900	3500	4000



MALE



FEMALE



# BACKHOE

Backhoe is used for various purposes like digging, loading, backfilling, trenching, and provides the maximum power and performance in all types of soils. Solis backhoe is easy to use and is very versatile. It can be quickly attached and detached from tractor.



STRONG BOOM & STICK



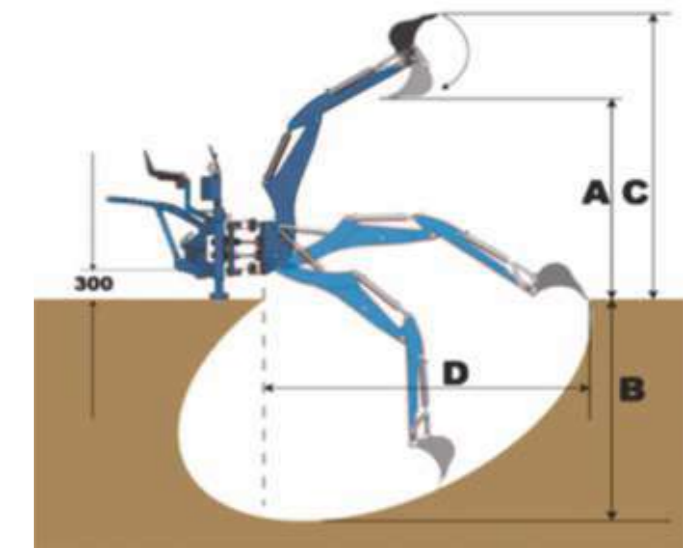
EASY ATTACHABLE AND DETACHABLE



STURDY HYDRAULIC SYSTEM



ADJUSTABLE SEAT



## TECHNICAL SPECIFICATION

Model Name	Loading Height (A) (cm)	Digging Depth (B) (cm)	Max Height (C) (cm)	Digging width (D) (cm)	Max width (cm)	Breakout force (kg)	Rotation angle (degree)	Pump capacity (L/m)	Ground Clearance (mm)	Pressure (bar)	Bucket Size included	3 Point Hitch	Tractor Power (HP)	Weight with standard bucket (kg)
SLBH 180	150	180	225	247	225	1500	180	18	300	180	Series 1 / 30cm	Cat I	20-30	375



Solis trailers have a rugged design to stand up to even the toughest loading and hauling demands under all conditions. The hydraulic unloading and collapsible side panels help to unload the material effortlessly.



HEAVY DUTY AXLE FOR ROBUST FIELD OPERATIONS



EASY TO ATTACH AND DETACH WITH TRACTOR



CORRUGATED SHEET FOR BETTER STRENGTH



OPTIONAL HYDRAULIC TRAILER BREAK



TAPER ROLLER BEARING USED FOR LONG DURABILITY



OPTIONAL ALL 4 SIDE OPENABLE

Tipping Trailer Single Axle						
Model	SLSTT-1	SLSTT-2	SLSTT-3	SLSTT-5	SLSTT-8	SLSTT-10
Loading Capacity (kg)	1000	2000	3000	5000	8000	10000
Dimension (mm)	2000x1200x355	2130x1370x533	2435x1830x610	3050x1830x610	3650x1830x610	3960x1830x610
Main Chassis (mm)	100x50	100x50	125x65	150x75	200x75	
Floor Sheet (mm)	3			4		
Side Wall Sheet (mm)	2					
Tyre	500/12	600x16	750x16	900x16		
Ring Hitch Dia (mm)	45			50		
Hyd.Cylinder Cap. (Ton)	2	3	10	15	20	
Axle (Break Optional) mm	50	65	75		90	
Axle Bearing	32209 Inner 32209 Outer	32209 Inner 32210 Outer	32213 Inner 32216 Outer			
Weight (Kg)	300	600	915	1250	1550	1800
Tractor Power (HP)	18-26	20-26	35-50	50-70	70-90	90-120

Non Tipping Trailer Single Axle						
Model	SLSNTT-1	SLSNTT-2	SLSNTT-3	SLSNTT-5	SLSNTT-8	SLSNTT-10
Loading Capacity (kg)	1000	2000	3000	5000	8000	10000
Dimension (mm)	2000x1200x355	2130x1370x533	2435x1830x610	3050x1830x610	3650x1830x610	3960x1830x610
Main Chassis (mm)	100x50	100x50	125x65	150x75	200x75	
Floor Sheet (mm)	3			4		
Side Wall Sheet (mm)	2					
Tyre	500x12	600x16	750x16	900x16		
Ring Hitch Dia (mm)	45			50		
Axle (Break Optional) mm	50	65	75		90	
Axle Bearing	32209 Inner 32209 Outer	32209 Inner 32210 Outer	32213 Inner 32216 Outer			
Weight (Kg)	250	500	800	1100	1400	1650
Tractor Power (HP)	18-26	20-26	35-50	50-70	70-90	90-120



Tipping Trailer Double Axle Turn Table			
Model	WTDTT-5	WTDTT-8	WTDTT-10
Loading Capacity (kg)	5000	8000	10000
Dimension (mm)	3050X1830x610	3650X1830x610	3960X1830x610
Main Chassis (mm)	150X75	200X75	
Floor Sheet (mm)	4		
Side Wall Sheet (mm)	2		
Tyre	900X16		
Ring Hitch Dia (mm)	50		
Hyd Cylinder Cap. (Ton)	15	20	
Axle (Break Optional) mm	75		90
Axle Bearing	32213 Inner 32216 Outer		
Weight (Kg)	1500	1800	2100
Tractor Power (HP)	50-70	70-90	90-120

Non Tipping Trailer Double Axle Turn Table			
Model	WTDNTT-5	WTDNTT-8	WTDNTT-10
Loading Capacity (kg)	5000	8000	10000
Dimension (mm)	3050X1830x610	3650X1830x610	3960X1830x610
Main Chassis (mm)	150X75	200X75	
Floor Sheet (mm)	4		
Side Wall Sheet (mm)	2		
Tyre	900X16		
Ring Hitch Dia (mm)	50		
Axle (Break Optional) mm	75	75	90
Axle Bearing	32213 Inner 32216 Outer		32213 Inner 31216 Outer
Weight (Kg)	1350	1650	1950
Tractor Power (HP)	50-70	70-90	90-120

