

english

# MULTI1NE

Technology in the future



## SL800 Series

<http://multione.nt-rt.ru/>

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CSF with his **Multione** machines is a specialist in functionality combined with design.

**SL800** is the new reference point for compact telescopic loaders.

The Italian style together with an advanced technology, offers the best solutions to professionals or to people that just like the **SL800** has been created to be environmental friendly, easy to drive and with a low maintenance requirement.

**Multione SL800** is a technological vehicle with top quality components to ensure always high performances and a long-lasting machine.

## SL800 Series, design, technology and reliability

The machine without compromises.



# Ergonomic

Thanks to the innovative design of the driver's seat we increased the space available for the operator.

We also paid much attention to offer a great comfort while driving : steering wheel, controls , levers are conveniently located to be achieved easily and to grant a relaxing position even after many hours of driving.

The ergonomic and profiled seat is equipped with adjustable shock absorbing suspension considering the operator's weight.





# SL828DT SL830DT SL835DT SL840DT

Efficient and sincere

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Power and lifting capacity

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For the most demanding professional

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Top performances

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## Dashboard

The digital dashboard with backlights gives you information about all the machines' set-ups. It pre-alerts also with a flashing-light when it's time for the maintenance-coupons. It is also equipped with a tipping-load acoustic device.



## Joystick

A standard joystick with 11 functions allows an easy control of the telescopic boom in all its functions and of the output of the oil (high/low). A safety power button is included too.

# Safety

- The self-levelling system keeps the load automatically levelled for a better stability and for safer operations.
- The tipping sensor device, with both acoustic and optical signal, alerts the operator when the vehicle is about to tip.
- The design of the machine provides a total visibility of the attachment to the operator while is working.
- SL800 is standard equipped with a certified ROPS ISO 3471 roll-bar with hard top (steel and Plexiglas®).

We designed a side-protection bar that has been certified and awarded as a technical safety innovating system. It is placed on the left side of the machine to protect the operator from falling out of the vehicle. It can be locked and unlocked very quickly thanks to a special mechanism.









# Versatility

- Over 177 attachments are available to offer the best solution to any demand.
- The Multione quick-coupling plate is equipped with a fully patented fastening-unfastening system that can be activated directly while seating inside the vehicle.
- The SL800 hydraulic system has been projected to transfer the power of the engine to the attachment. It is handled by separated circuits, totally controlled by the joystick that enables the operator to check the oil flow to be sent to the attachment. This system ensures top performances even under heavy duty conditions.
- Multione SL800 is equipped with electric outputs to enable the machine to those attachments and valves on applications requiring a multiple function. Such switch is located directly on the dashboard.



## Telescopic boom

The “double H” structure of the boom allows to keep the goods always close to the machine and enable the machine to lift up to two tons. It is extremely reliable and it grants always an excellent visibility even with the telescopic boom completely extended. Special sliding pads avoid any friction during the extension of the telescopic boom, providing smooth operations.

The boom is controlled by the joystick that can be extended or retracted by pushing a button.







# Stability

A perfect weight distribution makes SL800 very steady, balanced and safe in any condition. The rigid-articulation, one of the best feature of Multione, increases the stability of the vehicle during lifting operations that can benefit of the weight of the machine as a counterweight.

At the same time it allows you to drive with the machine in tight spaces and to reach any point in the work zone.







## Transmission

Multione SL800 is standard equipped with proportional hydrostatic transmission with servo-controls. The transmission is maintenance-free and the 4 hydraulic “Heavy Duty” motors delivers high torque in any condition. SL800 is powered by 4 direct drive wheel motors. The Dynamic Block System (DBS) avoids to damage delicate surfaces and it increases the traction on rough terrain. The articulation of Multione improves the maneuverability in very narrow spaces.

## Engine

SL800 is powered by Yanmar diesel engines with 33Hp or 40Hp. Both engines are fuel direct injection with high torque and low rpm for great performances. They are “green” emissions certified and low fuel consumption. They may be equipped (referring to the engines) with catalysator and particulate filter for applications in public areas or places with poor ventilation.



# Cabin

Multione SL800 is a true “all year around” machine. With its cabin it can be used during winter time when climate condition requires a warm and comfortable driving-room!

The top class ergonomic design makes of Multione Cab the perfect solution for cold or wet weather.

The cabin is ROPS certified and grants a perfect visibility with a “sunroof “ hard top.

The cabin for SL800 is available with:

- Sunroof: standard
- Compass -opening window: standard
- 3-way heating system with adjustable flows: standard
- Radio with Mp3 incorporated: on request
- Heated seat: on request

Thanks to special weather strips the cabin is perfectly sealed from seepages of water, from drafts and from noises too.  
The glasses mounted are blue-tinted heatless-glass.













# A machine for all seasons



## Spring

- Landscaping
- Greencare
- Floor Cleaning
- Mowing grass
- Moving pallets
- Loading lorries
- Renovation and flooring
- Storing feed for animals
- Handling fodder and hay bales
- Cleaning stables and cowsheds
- General maintenance

## Summer

- Landscaping
- Greencare
- Floor Cleaning
- Removing sand
- Repairs
- Hobbies and leisure
- Small excavations
- Loading lorries
- Storing feed for animals
- Handling fodder and various feedstuffs
- Cleaning stables and cowsheds
- General maintenance



## Autumn

- Looking after green spaces
- Cutting firewood
- Mowing grass
- Collecting leaves
- Sweeping streets and forecourts
- Handling pallets
- Loading lorries
- Renovation and flooring
- Storing feed for animals
- Cleaning stables and cowsheds
- General maintenance



## Winter

- Cutting firewood
- Clearing snow
- Spreading salt and sand
- Sweeping streets and forecourts
- Handling pallets
- Loading lorries
- Building maintenance
- Renovations
- Storing feed for animals
- Cleaning stables and cowsheds
- General maintenance







## Vase clamp

It is a useful tool for nurseries, to handle heavy vases without difficulties.



## Tornado, lawnmower with collecting box

Studied for the maintenance of the green, in public and private grounds, the professional tornado mower collector cuts perfectly both dry and wet grass. Its patented collection system work perfectly on every grass and collect without noise and dust in any condition.

## Green maintenance

One machine for mowing the grass, cutting the hedges, preparing the ground for seeding, brushing the paths, digging canals for irrigation... Gentle on the most delicate surfaces, stable on the roughest grounds, agile on the narrowest spaces.

## Nurseries

With Multione you can dig holes for the trees; load, transport and load sand and other materials just dug out; move the plants in pots or clods, with the great advantage that being articulated, it allows smaller manoeuvres in narrow spaces and to work easily on muddy grounds and surfaces with low-adherence.

## Irrigation

In addition to the classic buckets, you can mount also trenchers, which are specific tools for digging canals for the laying of irrigation pipes. Thanks to the articulated chassis of these machines, it is possible to dig easily straight and curved canals. The high efficiency hydraulic system of Multione drive into the attachments the full engine power for astonishing performance.



## Stump grinder

It is a CSF designed tool for landscaping and green maintenance for grinding the stump, the Multione telescopic boom permits to grind the stump till hiding it in the ground. It is seat by hydraulic system with an oscillating horizontal mechanism with electric control.



## Front flail mower

It is suitable for trimming grass, heavy grass on wild area.

## For gardening





### Clipping machine

For trimming hedges, for pruning vines, even in the most difficult hill conditions, suitable for wine growers, gardeners and municipal contractors. The inclination of the blade is electric adjustable.



### Vertical wood-splitter

For cutting logs and creating smaller pieces easier to handle. Hydraulic force of 7 tons



### Bucket

For digging, handling, levelling ground and topsoil. It is ideal for building sites and fields. Useful for many different applications, it is available with blade or with teeth, as multi-purpose 4x1, and the version "high volume" for light material.



### Tree clamp

A suitable clamp for handling branches and wooden pieces, useful for landscapers and wood handling business.





## Angle blade

It is the ideal tool for level the ground and move material quickly.



## Trencher

For digging narrow ditches for pipes and cables lying. It is an essential tool for irrigation installation and piping contractors.



## Front flail mower

It is suitable for trimming grass, small bines and brambles, to revive parks, gardens and sports grounds.



## Rotary tiller

Useful for preparation of garden beds, seedbeds, etc. Adjustable digging depth.







### Silage fork

It is useful for heavy jobs in agriculture, suitable for collecting shrubs, scrub wood and timber.



### Long teeth fork

It is ideal for farms for lifting and moving big quantities of hay.

## For agriculture

### Farms

Multit1ne machines are very useful for the maintenance of livestock, barns and storerooms... Moreover, with a small investment multit1ne is the right multitasking machine for all need of the farmers, for load handling, cleaning, feeding and general maintenance. The telescopic boom allows loading mixer feeders and thanks to their high lifting capacity, Multit1ne machines can lift every kind of round bale.

### Breeding and Beekeeping

Indispensable when needing to clean cowsheds, stalls, sheepfolds or for feeding animals... Multit1ne machines are also very useful for loading, moving and unloading the beehives.

### Stable yards

The waste range of Multit1ne products includes several attachments which are specific for riding schools and hippodromes: for levelling the grounds, moving the obstacles, cleaning the stalls, feeding the horses...



### Auger

Useful for piling and for tree planting, for gardens creation, fencing contractors and any drilling requirements.



### Bale grab

Farms use bale grab for handling silage and hay bales, without damaging their wrapping.



## For building

### Building firms

In any building site there is always excavation, demolition, earth moving and lifting works to be done and, especially, the working times and personnel management need to be optimised. Thanks to the greatly reduced weight, the lifting capacity and the nice outreach of its telescopic boom, Multione machines can be used in building restructuring work to knock down dividing walls, demolition, make openings or pass through doors, for reaching any room.

### Floor laying

One machine for breaking up old floors, collecting the debris, moving and placing floor tiles, mixing, with a great optimization of time and money. The light weight and the articulated chassis of Multione machines allow working also on just laid floors, without dirtying or damaging the surface. The dynamic block system allow the machine to not damaged the surface during operation.

### Installers

Workers in this sector often have to battle with broken up terrain and excavate materials that turn out to be of different texture as they progress with the excavation, they must load, unload or lift till different heights... All these works can be made with one machine only: Multione!

### Rental companies

Customers are increasingly seeking a ready-to-use product which always works and capable to solve any problem, even if unforeseen. This is why Multione machines are suitable for hire contractors both for the building industry and for the agricultural sector. Thanks to the greatly compact dimensions and the light weight, it is possible to move Multione machines with a small trailer.



#### Bucket

For digging, handling, levelling ground and topsoil. It is ideal for building sites and fields.



#### Pallet fork

CSF pallet fork is the basic attachment for lifting and handling of different types of materials on pallets and anything else that can be lifted between two points.



#### Cement mixer

It is the ideal attachment for situations where electricity is not available or the mixed concrete must be transported and/or lifted in a place not easily accessible.



#### Concrete mixing bucket

CSF concrete mixing bucket is the ideal tool for building sites, for a big production of cement.





## Backhoe

For professional works, also in the most difficult situations, it is ideal for creating irrigation canals.



## Hydro cleaner

It is useful for each kind of cleaning in building sites: to detach dirt, encrusting substances from walls as well as oil, paint from working machines or to clean old facades or remove graffiti.



## Trencher

It is the ideal tool for smaller cable or pipe laying.



## Hydraulic hammer

It is an extremely efficient tool in demolition and refurbishing operations. Different size are available for proper match according with the size of required jobs. available from 60,90 and 120 Kg. 's mass.





## Telescopic lifting pole

Excellent tool for lifting tasks which cannot be done with pallet forks. The hydraulic telescopic lifting pole is even efficient and versatile in all lifting jobs. Useful in narrow spaces to lift goods. It can be extend up to 310 cm. length.



## Snow turbine

A very efficient snow removal tool, both with wet and heavy snow, useful for touristic facilities and public maintenance.



## Rotary brush

For brushing sand, grains, small stones from roads, square, pavements... For green keeping and public maintenance. Rotary brush available also with collecting box and humidification kit for dust reducing.



## Bucket

For digging, handling, levelling ground and topsoil. It is ideal for building sites and fields.





## Grass clipping bar

Attachment for cutting the grass in the fields, ready to be collected afterwards.



## Side flail mower

It is ideal for cutting high grass and shrubs and for clearing ditch banks: a great tool for public maintenance.



## Auger

Power unit for graft helical drill with different diameters of digging available up to mm.500. Useful for piling and for tree planting, for gardens creation but also for planting beach umbrella in the sand.



## Pallet fork

CSF pallet fork is the basic attachment for lifting and handling of different types of materials on pallets and anything else that can be lifted between two points.

## Other uses

### Municipal maintenance works

For road maintenance, new road signs, moving plants and trees that have fallen down by the elements, emergency road repairs, lifting the components of stage settings for concerts, shows... All these works can be made with Multione machines, for optimizing to the utmost those costs that live of municipalities' budgets.

### Touristic facilities

Hotels, residences, garni and camping choose Multione machines for their several activities, in all seasons: green maintenance, snow removal, clearing of paths ...

### Cemetery services

In the range of Multione machines there are several attachments that are specific for cemeteries services, for digging and displacing. Compact, articulated and discreet, Multione machines are the ideal means of transport for moving easily through the paths of these holy places and for their maintenance.

### DIY and leisure

Working with Multione machines at weekend or at free time becomes easy and money saver. Cleaning the garden, making maintenance on the outdoor places, cutting the edges, transporting and keeping the green are in good shape is just easy as drive Multione.





## SL828DT



## SL830DT

**Plus**

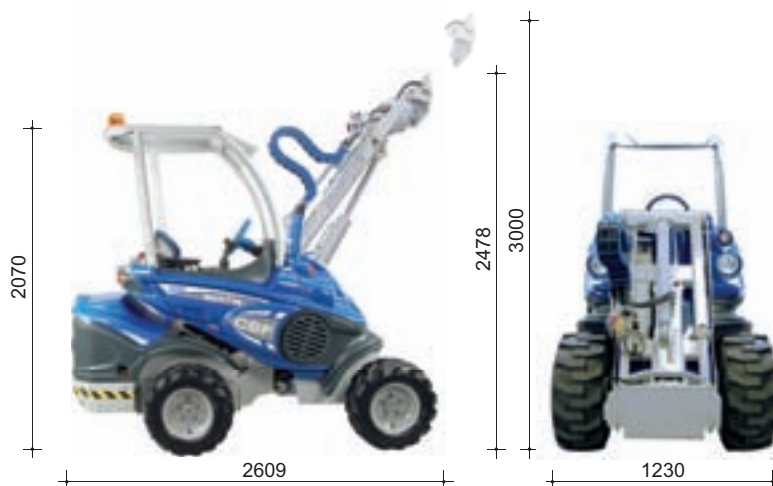
Optimal lifting capacity  
Perfect balance between performances and price  
Operating power and economy

Engine	YANMAR	
Fuel and transmission	Diesel 4WD	
Cylinders / Power	3 cyl.-20Kw(28HP)	
Displacement	cc	1116
Revolutions	rpm	3200
Cooling system	Water	
Tank capacity	lt	24
Transmission	4WD	
Speed	Km/h	12
Pushing power	Kgf	950
Maximum lifting capacity	Kg	1300
Hydraulic lifting capacity	Kg	1800
Hydraulic outlet	lt/min	39 (2 pumps)
Dimensions (L x D x H)	mm	1230x2609x2070
Max height with extended boom	mm	3000
Weight	Kg	1350

Engine	YANMAR	
Fuel and transmission	Diesel 4WD	
Cylinders / Power	3 cyl.-25Kw(33HP)	
Displacement	cc	1331
Revolutions	rpm	3000
Cooling system	Water	
Tank capacity	lt	24
Transmission	4WD	
Speed	Km/h	15
Pushing power	Kgf	950
Maximum lifting capacity	Kg	1350
Hydraulic lifting capacity	Kg	1800
Hydraulic outlet	lt/min	39 (2 pumps)
Dimensions (L x D x H)	mm	1230x2609x2070
Max height with extended boom	mm	3000
Weight	Kg	1380

*due to the different size  
of the tyres, the dimensions  
of the machine may vary*

tyres	width (mm)
26x12.00-12	1300
23x10.50-12	1230
23x8.50-12	1180
27x8.50-15	1180







### SL835DT



### SL840DT

#### Plus

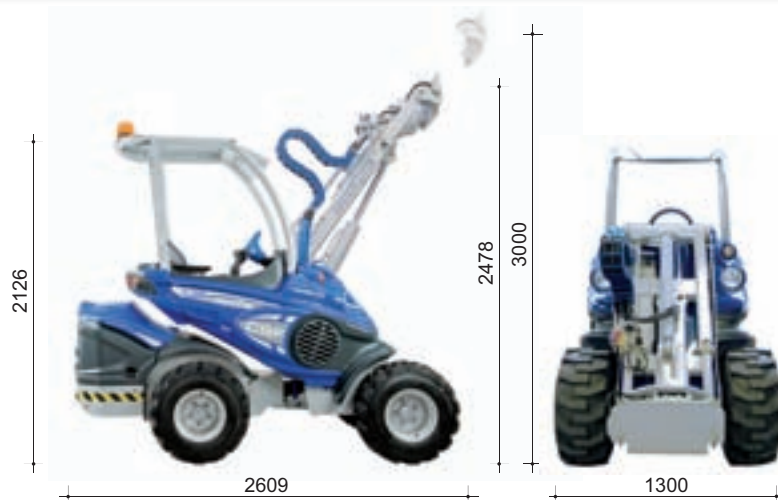
Excellent lifting capacity  
Very high performance  
Outstanding weight/power ratio  
Suitable for heavy-duty and continuous work

Engine		YANMAR
Fuel and transmission		Diesel
Cylinders / Power		3 cyl.-25Kw(33HP)
Displacement	cc	1331
Revolutions	rpm	3000
Cooling system		Water
Tank capacity	lt	24
Transmission		4WD
Speed	Km/h	10
Pushing power	Kgf	1290
Maximum lifting capacity	Kg	1400
Hydraulic lifting capacity	Kg	2100
Hydraulic outlet	lt/min	66 (3 pumps)
Dimensions (L x D x H)	mm	1300x2609x2126
Max height with extended boom	mm	3000
Weight	Kg	1430

Engine		YANMAR
Fuel and transmission		Diesel
Cylinders / Power		3 cyl.-30Kw(40HP)
Displacement	cc	1650
Revolutions	rpm	3000
Cooling system		Water
Tank capacity	lt	24
Transmission		4WD
Speed	Km/h	10
Pushing power	Kgf	1290
Maximum lifting capacity	Kg	1430
Hydraulic lifting capacity	Kg	2100
Hydraulic outlet	lt/min	72 (3 pumps)
Dimensions (L x D x H)	mm	1300x2609x2126
Max height with extended boom	mm	3000
Weight	Kg	1460

*due to the different size of the tyres, the dimensions of the machine may vary*

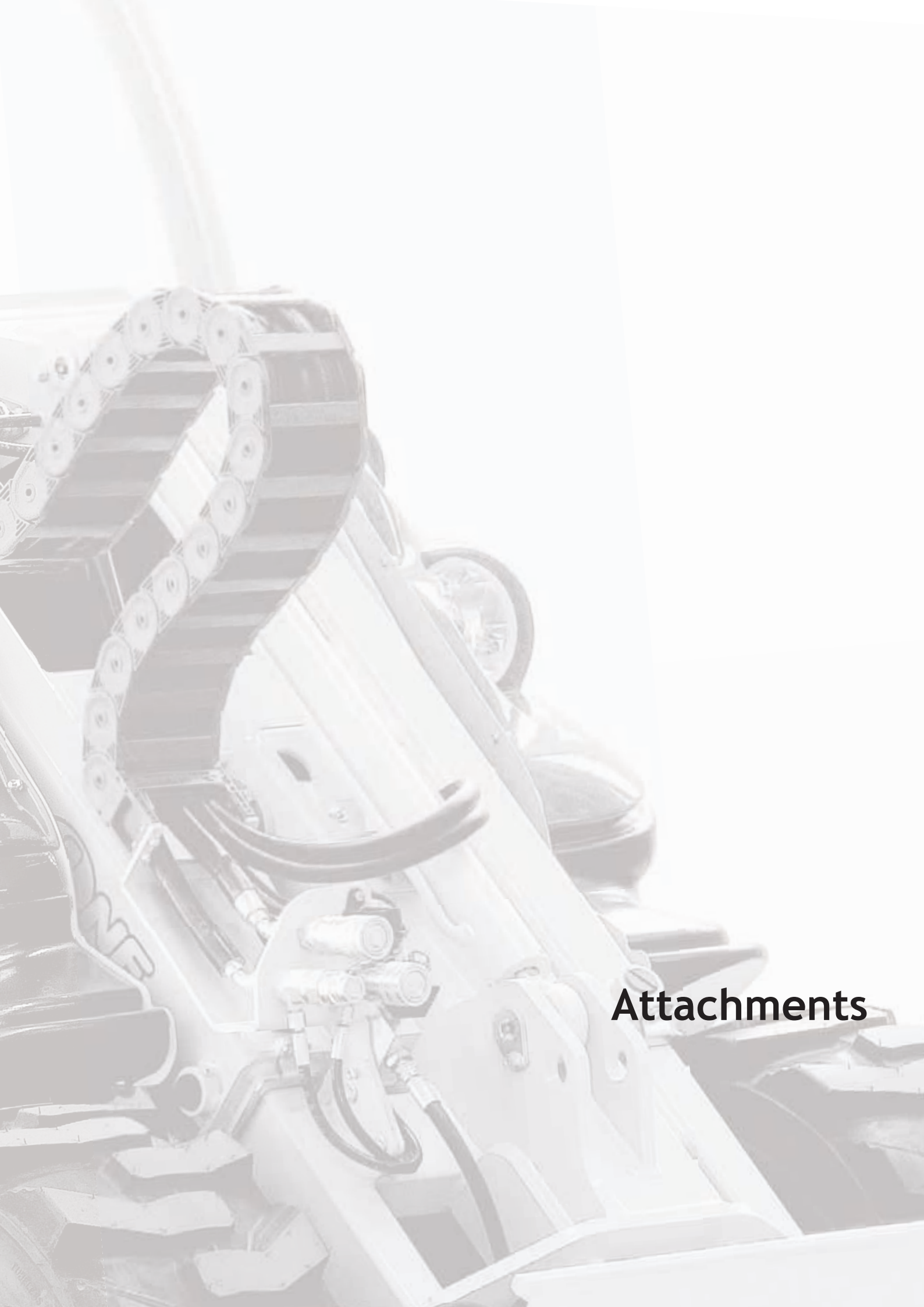
tyres	width (mm)
26x12.00-12	1300
23x10.50-12	1230
23x8.50-12	1180
27x8.50-15	1180











## **Attachments**



## Attachments



Sand bucket with blade

90 cm	100 lt
100 cm	185 lt
110 cm	205 lt
130 cm	240 lt
150 cm	280 lt

Quick and easy loading and emptying. Ideal for earth, soil, gravel, sand. It is equipped with standard holes where it is possible to screw forged teeth.



Dumper

97,5 cm	200 lt
97,5 cm	400 lt

Very useful attachment for waste collecting, transporting, storing and emptying. It has a support which allows it to be left in place while the machine is working.



Multi-purpose bucket 4 in 1

100 cm	100 lt
110 cm	150 lt
130 cm	180 lt
150 cm	210 lt

It can be used as a normal bucket as well as a dozer blade, a leveler or a grab. The front side opens by means of two hydraulic cylinders.



Trencher

Depth	Width
60 cm	14cm
100 cm	16cm
120 cm	18cm
*60 cm	12cm
*100 cm	12cm
*20 cm	12cm

\*for hard ground

For digging narrow trenches without damaging lawn and gardens.



Grapple bucket

100 cm
130 cm

It combines a normal bucket and a grapple and it is suitable for a multitude of jobs. It can be used for transporting and loading of branches, wood chip, compost, straw, manure, construction waste...



Angle blade

140 cm
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Equipped with hydraulic blade tilting. It's the ideal tool for earth-moving and similar jobs where the materials must be dozed away quickly.



High tip bucket

100 cm	210 lt
130 cm	280 lt

With this attachment it is possible to reach longer and higher than with many bigger machines. It can be tipped over its front edge with a hydraulic cylinder, thus achieving a higher tipping height.



Snow plough

180 cm
--------

Equipped with hydraulic blade tilting. The snow plough is the ideal tool for snow-removal on the streets or public and private squares.



High volume bucket

100 cm	320 lt
110 cm	400 lt
130 cm	480 lt
150 cm	550 lt

Snow removal and handling of different light materials is easy with these buckets with volumes up to 550 litres.



Winch

Wire rope	30 mt
Pulling power	1000 Kg
Safety net	

This winch enables towing of logs, poles, cars and other types of machines. It's powered by a hydraulic motor. Equipped with a safety net, 30 mt. of wire rope and a towing hitch.



## Attachments



Ripper

Width 50 cm

*This attachment is a sort of rake with three tines, conceived for breaking up ground, for pulling out roots and ripping up compacted ground.*



Cement mixer

Capacity 250 lt

*It's the ideal attachment for situations where electricity is not available or the mixed concrete must be transported and/or lifted to a place not easily accessible. It's powered by a hydraulic motor and emptying happens by tilting the mixer forward.*



Leveler

Width 150 cm

*Simple but useful attachment for levelling and planning of larger areas. It is possible to level sand, mulch, earth, very easily and quickly.*



Concrete mixing bucket

Capacity 200 lt  
Capacity 250 lt

*It's the ideal tool for making cement. It has a smaller volume than the CSF cement mixer, but it can be filled to the brim. It can be used as a standard bucket to collect the sand. It has a grill which prevents big stones from falling inside it.*



Grader

Blade 210 cm  
Laser 300 mt

*It's suitable to level off land, roads, squares and sport facilities. It's equipped of blade with right and left inclination, climb and descent. aSide translation with total hydraulic control and laser system control for high precision work.*



Material paver

W= 100 cm 400 lt

*Efficient attachment for laying asphalt, gravel, sand. It's the ideal tool for maintenance of pavements and parking areas. The bottom of the paver opens hydraulically and it is adjustable from 0 to 10 cm.*



Mini backhoe

W= 25 cm D= 80 cm  
W= 40 cm D= 90 cm

*Compact backhoe developed for light digging works, but efficient at the same time. It's a professional attachment, suitable for small and medium Multione machines.*



Flow planer

W= 35 cm D= 15 cm

*The flow planer is an equipment for planning small trenches, crossing or small asphalt crust stripping jobs. Its asphalt milling drum is suitable for scraping of asphalt, especially when it is necessary to renew the road surface. A version with cutting disc is available for breaking roads and cable laying.*



Backhoe

Rotation 180° D= 215 cm

*It's a very compact and amazingly powerful digging unit, especially developed for hard construction work. It's easy and quick to mount on the loader. Digging from the driver's seat is comfortable and easy.*



Hydraulic hammer

Weight 60 Kg  
Weight 90 Kg  
Weight 120 Kg

*The hydraulic hammer is an extremely efficient tool in demolition and refurbishing operations. Very fast and effective: you can go anywhere with this unit.*



## Attachments



Vibrating roller

100 cm	380 Kg
120 cm	456 Kg
150 cm	680 Kg

For restoring roads after digging works, for compacting those areas difficult to reach with a standard roller. It's hydraulically driven and it can be filled of water to make it heavier.



Rotary brush

100 cm	70 Kg
120 cm	84 Kg
150 cm	87 Kg

Available with or without collecting box. It can be quipped with humidification kit in order to reduce the dust. Rotation adjustment can be operated manually.



Pallet fork with rotation

90 cm	1000 Kg
Rotation 180°	

It's the basic attachment for lifting and handling of different types of materials on pallets. Forks can be easily adjusted thanks to the quick lock mechanism.



Hydraulic clamp for pallet fork

Width 40 cm	220 Kg
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This attachment can be mounted on pallet forks. With the hydraulic clamp you can lift and transport single logs or smaller timber bundles. The grab is equipped with a powerful cylinder.



Silage fork

80 cm	60 Kg
90 cm	75 Kg
100 cm	100 Kg
120 cm	110 Kg
150 cm	130 Kg

A robust silage fork equipped with a powerful hydraulic cylinder. The strong blade types pins of the grapple penetrate very well into all types of feed.



Trailer

Length	120 cm
Total weight	800 Kg
Own weight	190 Kg

This trailer with manual tipping is useful for ransporting garden waste, top soil, mulch etc... All sides can be removed if necessary and this makes the trailer an excellent timber transporting vehicle.



Bee house elevator with holder

Lifting height	90/160 cm	W=105cm
Lifting height	135/240 cm	W=105cm

It's a useful attachment for beekeepers, for moving their bee houses easily. This attachment can also be used for lifting and moving generic cages.



Pallet fork

80 cm	250Kg
90 cm	1000Kg
110 cm	1200Kg
120 cm	2000Kg

This pallet fork is the basic attachment for lifting and handling of different types of materials on pallets.



Lifting trolley

Max height	270 cm	1500 Kg
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The lifting trolley can lift heavy crates and pallets, big sacks and other heavy materials. It's equipped with big foam filled tyres, which give good transporting capabilities on any surface.



Long teeth manure fork

Teeth length	80 cm
Width	110 cm

It's a very useful attachment, destined for detaching and handling of manure and similar materials.



## Attachments



Round bale fork

Teeth length	80 cm
Width	85 cm

*The round bale fork can easily lift and transport silage bales, hay bales and other bales without wrappings. The bale forks can be mounted on all CSF machines models.*



Bale grab

Max weight bale	126 Kg
Min diam bale	97 cm
Max diam bale	150 cm

*With the bale grab is possible to lift and transport wrapped silage bales, hay bales and other round bales without damaging plastics or nets. For transporting more than one bale in one time.*



Snow turbine

80 cm	single*
100 cm	double*
120 cm	double*
140 cm	double*

\* stage

*Very efficient snow removal tool, also with wet and heavy snow. Chimney can be rotated 200°, manually or electrically operated from the driver's seat.*



Salt and sand spreader

120 cm	250 lt
150 cm	330 lt

*It's designed for fast and efficient spreading. Powered by hydraulic motor and equipped with a mixer axle, for preventing the sand from clogging up.*



Spraying bar

Capacity	100 lt
Width	450 cm

*The spraying bar has been developed for spraying green areas and small fields. Hydraulically driven, it has a 100 litres capacity tank. It can be mounted on the back side of the machine with min. 27 Hp engines equipped with 3 point lifter and rear outlets.*



Feed dispenser

350 lt	140 Kg
520 lt	210 Kg

*It's a bucket equipped with a hydraulic motor and a screw inside, destined for the distribution of flour, crushed grain, etc... The edge of the grain dispenser tilts all the way down so that loading from ground is very easy.*



Silage cutting bucket

100 cm	340 Kg
120 cm	410 Kg

*Powerful and robust silage cutter with two hydraulic cylinders for cutting easily silage from silo and take directly to the cattle. It cuts 8 animals' silage at one time.*



Stone burier

Roller 120 cm
Roller 140 cm

*A professional hydraulic stone burier for preparation of lawn beds. The stone burier mills the the soil, buries eventual stones and other objects up to 15 cm depth in a single pass, making milled and tamped topsoil.*



Rotary tiller

105 cm	90 Kg
125 cm	110 Kg
145 cm	145 Kg

*The rotary tiller is ideal for the fine preparation of garden beds, seed beds, rotovating, etc...*



Stump grinder

Weight 107 Kg

*The stump grinder is a useful tool for landscaping and green maintenance. By passing over the stump from right to left and back, the disc grinds the stump till hiding it in the ground.*



## Attachments



Stump buster

Cutting head diam.	35 cm
Weight	300 Kg

The stump buster is an efficient, easy and safe way for removing tree stumps. The three blade cutting head has slow speed and high torque, which means that it can be used within confined spaces and pedestrian areas safely. The drive unit is equipped with a hydraulic motor and planetary gearbox which guarantee high torque and efficient cutting.



Vertical wood-splitter

Weight	110 Kg
Crushing force	7 t

It is equipped with an hydraulic cylinder that push the tree-trunk towards the blade with an hydraulic force equal to 7 tons. Cutting high and blade are adjustable.



Front flail mower

100 cm	115 Kg
105 cm	122 Kg
130 cm	145 Kg
155 cm	162 Kg

The right attachment for those situations where a normal lawn mower cannot be used where the cutting result can be more rough.



Side flail mower

Cutting width	80 cm
Cutting width	100 cm

For road maintenance and municipalities. It cuts efficiently long grass and small scrub. It's an ideal tool for bank mowing and similar jobs.



Lawn mower

100 cm	mulching
120 cm	side
150 cm	side
180 cm	side

It's a hydraulic mower deck ideally suited for CSF machines with telescopic boom, where the mower can be moved farther away from the loader.



Tornado, lawn mower w/collecting system

120 cm	200Kg
150 cm	250Kg

Developed for a perfect cut, ensured by the high tip blade speed. The high turbulence and air-flow generated by the blade rotation convey the cut grass into the collecting box.



Clipping machine

Cutting diameter	1 cm
Cutting diameter	3 cm

The clipping machine is a perfect attachment for trimming the edges of a lawn, hedges, flower arrangements, etc... It consists of a hydraulically operated trimmer mounted next to a cutting disc. The trimmer levels the cutting edge. Cut angle electrically adjustable.



Grass clipping bar

Cutting width	167 cm
Weight	80 Kg

The CSF cutting bar is destined for mowing long hay on fields, meadows and road banks. It's equipped with 2 mowing sickle bars.



Tree clamp

Width	100 cm
Teeth length	101 cm

It's a very useful attachment, destined for handling of manure or logs. The lower teeth are stationary whereas the upper teeth can be hydraulically opened and closed.



Hydraulic bio-shredder

Material diam.	9 cm max
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Developed for chipping quickly branches, small tree trunks, logging waste, sawmill residue, etc... Wood feeding is manual.



## Attachments



Stake planter

Weight 110 Kg

*It allows driving stakes with the work of only one operator. It's possible to grasp the stake through pliers and place it to the desired position. When stake is driven in the ground at the right position, through a control it is possible to open the pliers and place the vibrating plate on the stake.*



Lifting pole

Standard 250 cm

*Excellent tool for lifting tasks which cannot be done with pallet forks. The hydraulic telescopic lifting pole is even efficient and versatile in all lifting jobs.*



Vase clamp

Side clamps earthenware  
Side clamps plastic  
Hedge clamps earthenware

*The vase clamp is a useful tool for nurserymen, for lifting plants in plastic pots, trees, barrels, etc...*



Telescopic lifting pole

Telescopic 250+60 cm

*Excellent tool for lifting tasks which cannot be done with pallet forks. The hydraulic telescopic lifting pole is even efficient and versatile in all lifting jobs. Useful in narrow spaces to lift goods. It can be extend up to 310 cm. length.*



Auger for tree

ø 80 cm 120 Kg  
ø 100 cm 200 Kg

*Powerful hydraulic auger with two auger diameters. Its drills are studied to turn over the ground, by making this special auger an indispensable tool for tree transplanting.*



Tree transplanter

Clod diam. 27 cm  
Clod diam. 40 cm  
Clod diam. 75 cm

*This attachment is very useful for moving plants in clod, without damaging their roots. Available in several models, for different plant diameters.*



Vibrating head

Umbrella capacity 540 Kg  
Umbrella ø 600 cm

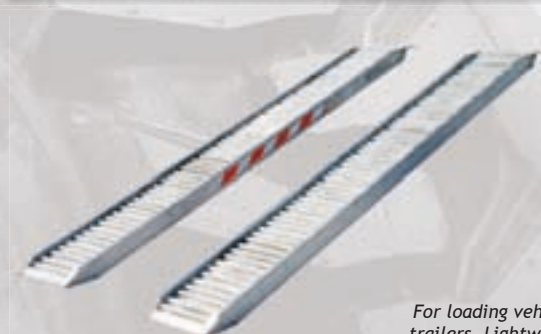
*It represents the most advanced technology for harvesting olives, almonds, nuts, prunes, apricots, pistachio and all fruits that undergo into industrial transformation process.*



Auger

T1 Drill diameter 10÷50 cm  
T2 Drill diameter 15÷50 cm

*Powerful hydraulic auger with many different auger diameters to suit various tasks, tree transplanting, etc... Standard drive unit (T1) has hydraulic motor and direct drive to the auger. Heavy duty drive unit (T2) is equipped with planetary drive to increase torque, needed especially in hard ground conditions.*



Aluminium ramps

250 x 38 cm  
300 x 42 cm  
350 x 42 cm  
400 x 42 cm  
450 x 42 cm  
500 x 42 cm

*For loading vehicles on vans and trailers. Lightweight and strong.*



Hydrocleaner

Jet pressure 175 bar  
Tank capacity 200 lt

*CSF hydrocleaner is useful in building sites and for general maintenance. Its powerful 170 bar pressure jet enables to detach dirt, encrusting substances from means of transport or working machines, as well as waxes, oils, paint... It is also useful for cleaning old facades or removing graffiti.*



## Options



Heated seat



Back weights 184 Kg



Street lights kit



Cabin



Dynamic Block System



Self-levelling kit



Heating system



Automatic attachment coupling plate



3 point rear lifter



Rear hydraulic outlets



Trailer coupling



Side protection bar



55 mm spacers kit



Turf-wheels



Snow chains



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