



A BENCHMARK OF EXPERTISE

With **innovation in the DNA** of the brand right from the start, many MX products have set the standards for the market, such as the Mach System, which has become familiar to farmers everywhere since its introduction 40 years ago.

What really sets MX apart is **its tractor expertise**. We can equip around 9,470 models, from 15 to 400 horsepower and from 40 different brands. With 150 new brackets and 100 new front linkage parts each year, that the equivalent of designs for three to four tractors every week.

A CUSTOMISED OFFERING

With a total of six loader ranges, plus front linkages, weights, buckets and grabs, bale handlers (MANUBAL), silage buckets and a wide range of other equipment, the MX brand offers **the most comprehensive catalogue in the sector**. We are therefore uniquely positioned to satisfy the requirements of all professionals who rely on tractors to perform their handling work.

Whilst the majority of our customer base comprises livestock farmers, an increasing proportion of our business is represented by farming associations agricultural contractors, landscapers, winemakers and local authorities.

We collaborate with a group of 70 end users for the development and subsequent testing of new products before they are launched. The MANUBAL V400HD [page 102](#) and V5000HD [page 103](#), designed for intensive performance, are the latest examples.

AN INTERNATIONAL GROUP

France's largest tractor loader manufacturer, and the 2nd largest in Europe, the M-extend group has a presence on every continent. The MX brand is available in 64 countries around the world and is attracting a growing number of converts among demanding users.



MX, A BRAND OF THE M-EXTEND GROUP

Founded in 1951 by Louis Mailloux in Acigné, Brittany, in France, the company proudly celebrated its **70 years of existence**. When it was created, it initially manufactured ploughs. **Listening to farmers**, Louis Mailloux invented and industrialised the first front loader in 1963.

Today, the M-extend group has more than 1 000 employees worldwide, including more than 750 in France, all driven by the group's common purpose of **"making handling work easier for farmers"**.

Access the latest MX news on these social networks!



M-extend dedication!

In the 2021 index of gender equality the company scored 87/100

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A complete range of front loaders to answer all handling requirements

For every requirement, tailored to the size and power of the tractor, MX develops, manufactures and markets a specific technical solution. Our handling equipment is therefore perfectly adapted to a variety of uses. By constantly focusing on users' needs, MX guarantees everyday practicality.

loaders



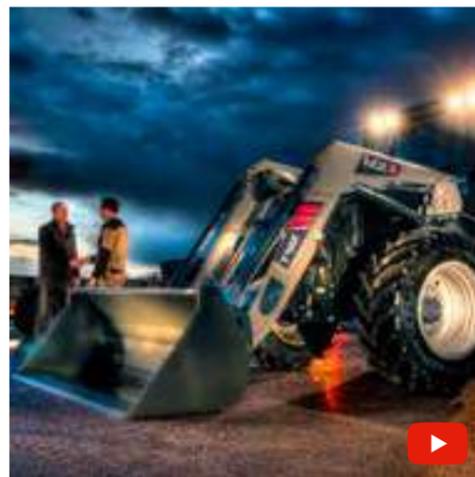
TX400 series

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Developed for tractors of over 170 hp

up to 5.50 m

up to 3,200 kg



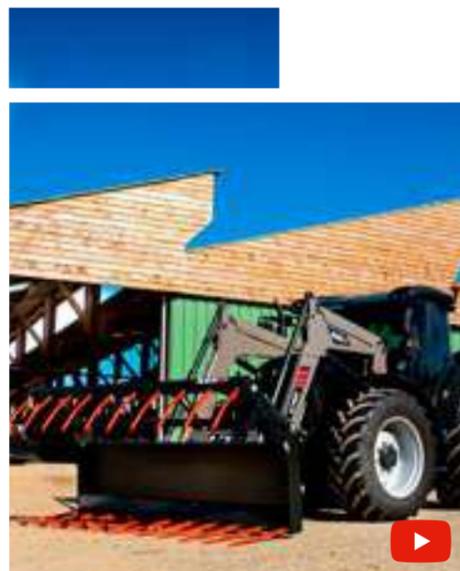
T400 series

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For your intensive work

up to 4.60 m

up to 2,650 kg



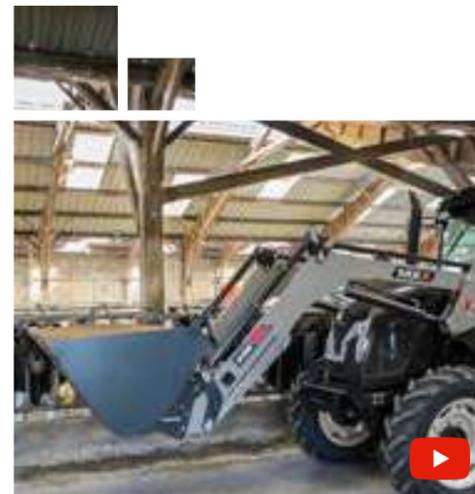
U400 series

page 23

Practical for everyday handling

up to 4.50 m

up to 2,100 kg



A100 series

page 29

Optimised for essential requirements

up to 4.00 m

up to 1,700 kg



F300 series

page 35

Designed for vineyard and orchard applications

up to 3.20 m

up to 1,175 kg



COMPACT

page 41

For the amenity tractor market

up to 2.90 m

up to 900 kg

M-extend dedication!

62% of our purchasing is done in France, and 90% in Europe.

How do I choose my agricultural loader?

I need to	for example	usage:	A100 series	U400/U400+ series	T400/T400+ series	TX400 series	
			mechanical parallelogram	mechanical parallelogram	PCH hydraulic parallelogram	PCH hydraulic parallelogram	
Move	- feed bales - pallets - sacks	Moderate	X	X	X	X	
		Intermediate	X	X	X	X	
		Intensive		X	X	X	
Load	- rations (maize, grass, concentrate, etc.) - bales (collecting, stacking) - manure, compost, grain, salt, earth	Moderate	X	X	X	X	
		Intermediate		X	X	X	
		Intensive			X	X	
Push	- grass or maize silos - snow	Moderate		X	X	X	
		Intermediate			X	X	
		Intensive			X	X	
Landscape	- level - dig - fill	Moderate			X	X	
		Intermediate			X	X	
		Intensive				X	
Key: X: recommended loader			Estimated Loader Hours (indicative and non-contractual figure)	< 200 hrs/year	< 400 hrs/year	> 400 hrs/year	> 400 hrs/year

TX400 series

Developed in association with farmers, farming associations and agricultural contractors, the TX400 series range of loaders is intended for use with tractors of between 170 and 400 hp.

A high-power tractor-loader combination – it is a real alternative to telescopic handlers and loaders – offers more flexibility, better on-road speed and increased efficiency for your everyday tasks. It's a highly versatile unit.



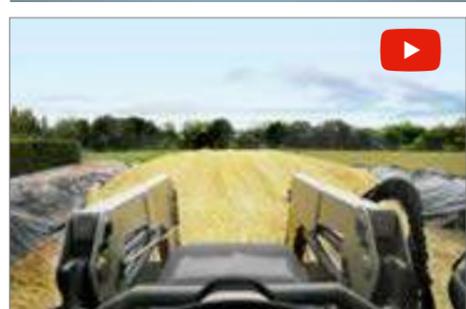
M-extend dedication!

The linkage is designed to allow heavy loads to be lifted using the minimum of hydraulic power.

This results in a reduction in fuel consumption!



TX400, THE EXCEPTION: EXTREME SPECIFICATIONS TO ACHIEVE EXCELLENCE



PCH
SYSTEM

**HYDRAULIC
COMPENSATION
PARALLELOGRAM -
PATENTED**

page 18

The bucket angle is automatically retained by two hydraulic compensating rams, perfectly integrated and permanently linked with the dumping rams.

SUPERIOR POWER

The pressure in the dumping rams, generated by the weight in the implement, is transferred to the compensating rams and boost lifting power.

The PCH System® increases the real lifting capacity: up to 35% more power without requiring additional energy (pressure, flow rate).

PANORAMIC VISIBILITY

The loader is specifically designed to allow hydraulic circuit integration. The parallelogram rams are positioned in such a way as to prevent any obstruction of the field of vision above the loader arms.

OPTIMAL LINKAGE

Parallelogram by hydraulic compensation MX (PCH); allows you to obtain a crowding angle which is currently unparalleled. Materials remain in the bucket in their entirety, regardless of the lift position of the loader.



LIFTING POWER

Lift rams are powered via rigid pipes to protect them from impacts, avoiding maintenance costs throughout the loader's lifespan.

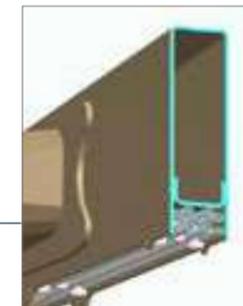


PIVOT POINTS

- ARCOR treated pins
- Protected grease nipples
- Bushes with lubrication system
- Pin plate anti-rotation locking system

ARM DESIGN

The arm structure links two "U" shaped profiles made from 6 mm thick HLE steel. Its assembled width is 100 mm. This design guarantees incomparable resistance and endurance.



DUMPING RAMS

The TX400 loader is equipped with dual rod dumping rams which provide an implement dumping speed equal to the crowding speed, thereby enabling faster manoeuvres.

HYDRAULIC DESIGN

Hydraulic parts are located inside the cross-beam, allowing maximum protection and optimum visibility.

All the hydraulic power lines are rigid. The hydraulic unit includes the suspension, 3rd and 4th functions which are fully protected by the front and rear housing on the loader cross-beam.

SHOCK Eliminator
SYSTEM

SHOCK ABSORBER

In the TX range, the loader benefits from two absorbers with a different settings for optimum efficiency both when empty and loaded.



Instant multi-coupling for loader/ implement hydraulics with the MACH 2® connector.

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IMPLEMENT CARRIER WITH AUTOMATIC LOCKING/UNLOCKING

The TX400 loader has a modular implement carrier fitted as standard with the FAST-LOCK hydraulic locking system.

Depending on the model chosen, it may be possible to hitch telescopic handling implements.



TX400 SERIES EXTRAORDINARY PERFORMANCE



TX420



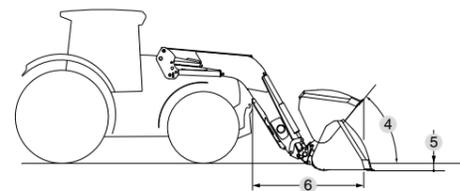
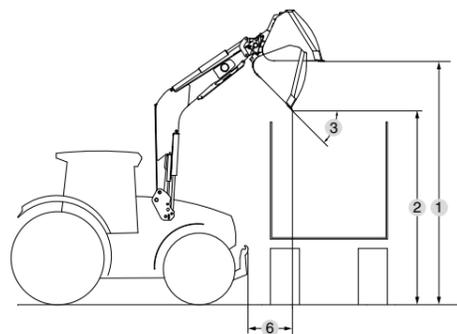
TX425



TX430

TRACTOR	POWER (hp) / NO. OF CYLINDERS	170 - 320 / 6	200 - 400 / 6	250 - 400 / 6
	MIN. WEIGHT	7000 kg	8000 kg	9250 kg
	MIN. WHEELBASE	2800 mm	2900mm	3000 mm
	MIN. HYDRAULIC FLOW RATE (L/min)	110	110	110
	HYDRAULIC PARALLELOGRAM (PCH)	✓	✓	✓
	LIFTING HEIGHT			
	Maximum height at implement pivot*	4.87 m	5.10 m	5.50 m
	① Max. height under horizontal bucket	4.55 m	4.80 m	5.20 m
	② Max. height under dumped bucket#	3.40 m	3.68 m	4.14 m
	WORKING ANGLES			
	③ Dumping angle at full height#	50°	50°	45°
	④ Crowd angle at ground level#	48.5°	48.5°	50.5°
	FORWARD REACH# UP/DOWN ⑥	0.72 m / 2.02 m	0.97 m / 2.10 m	0.95 m / 2.37 m
	DIGGING DEPTH ⑤	0.15 m	0.15 m	0.15 m
	LIFT FORCE at implement pivot, ground level*	4000 kg	4100 kg	4100 kg
	LIFT CAPACITY AT IMPLEMENT PIVOT OVER THE ENTIRE LIFTING RANGE*	3250 kg	3650 kg	3650 kg
	PAYLOAD ON PALLET at 600 mm out on forks			
	At ground level:	3550 kg	3700 kg	3700 kg
	2 m from the ground:	3450 kg	3650 kg	3650 kg
	3 m from the ground:	3260 kg	3450 kg	3450 kg
	Max. height:	2950 kg	3200 kg	3200 kg
	LIFTING TIME	6.7 s	8.3 s	9 s
	DUMPING TIME	1.5 s	1.5 s	1.5 s
	WEIGHT WITHOUT EQUIPMENT	1020 kg	1200 kg	1280 kg

LOADER



Specifications determined at 205 bar pressure and 80 litres/min flow rate.
Values may vary according to type of tractor used and may be subject to change without notice.
* Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used.
Figures provided for a high-capacity bucket BC HD, Euro hitching. Front range given on Claas AXION 800.



360° UNOBSTRUCTED VISIBILITY

T400 series

The T400 series loaders are perfect for your most extreme working conditions.

The perfect partner for your tractor, designed for intensive use and offering efficiency, comfort, safety and durability.



A MODERN CLEAN DESIGN, PROVIDING THE ULTIMATE PERFORMANCE, PRODUCTIVITY AND COMFORT

EXCLUSIVE TO MX



MACH System® – sealed instant coupling of tractor to loader hydraulic and electric lines. [▶ page 50](#)



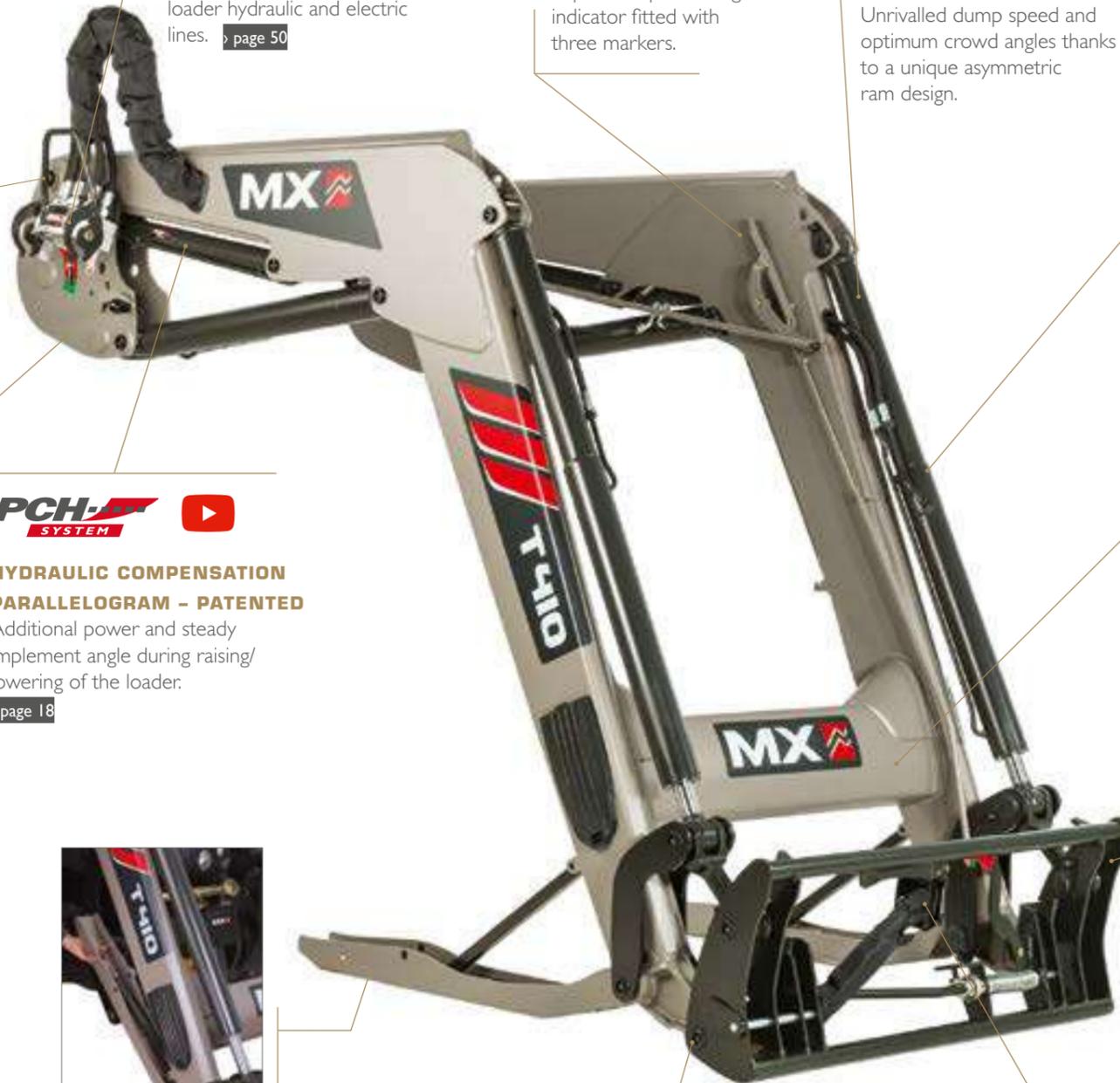
Unrivalled dump speed and optimum crowd angles thanks to a unique asymmetric ram design.



Crowding angle offering maximum efficiency



Large pivot pins with anti-rotation system for maximum durability.

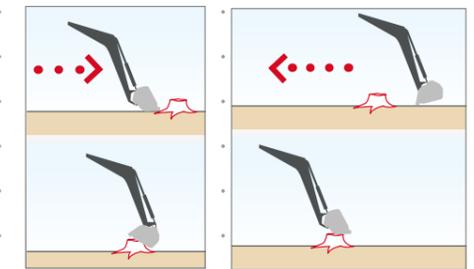


HYDRAULIC COMPENSATION PARALLELOGRAM - PATENTED

Additional power and steady implement angle during raising/lowering of the loader.

[▶ page 18](#)

The integrated hydraulics unit is protected from impacts and falling objects by a double housing. Two anti-impact valves as standard.



AUTOMATIC LOCKING SYSTEM

Easy, secure hitching/unhitching, using the FITLOCK 2+ System®. Requires leaving the cab just once.

[▶ page 19](#)



Fully protected parking stands integrated into the loader arms. The lift height remains the same.

Euro or MX implement carrier with automatic locking and conveniently positioned release lever.



BRACKET DESIGN - REAL EXPERTISE

The bracket head is fitted with a guide ramp to make hitching operations easier. Its design ensures accessibility from all tractor maintenance points.



Heavy-duty wear bushes designed for intensive use.



Instant multi-coupling for loader/implement hydraulics with the MACH 2® connector.

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EXCLUSIVE TO MX

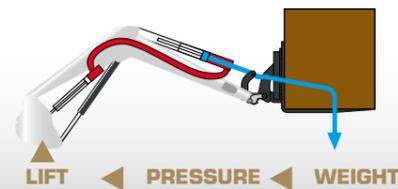
HYDRAULIC COMPENSATION PARALLELOGRAM - PCH



Available only on the T400 and TX400 loader models, the PCH System® improves speed and actual lifting capacity without consuming excessive energy, achieving dumping and crowding angles that are unequalled on the market.

T400 - A POWERFUL LOADER

The design of the hydraulic circuit enables a recirculation of oil from the crowd rams to the hydraulic parallelogram rams (PCH). This substantial assistance increases the loader power by 35%.



PANORAMIC VISIBILITY

The loader is specifically designed to allow hydraulic circuit integration. The parallelogram rams are positioned in such a way as to prevent any obstruction of the field of vision above the loader arms.



ADAPTIVE LEVELLING

The compensation rams have two positions to adapt the implement angle to the work being done:

- A "Pallet" position – parallel to the ground
- A "Bucket" position – to minimise bucket spillage



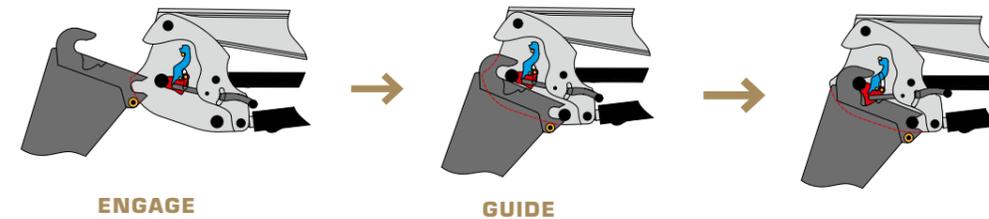
OPTIMAL FILL CAPACITY

Due to their unique PCH hydraulic levelling system, T400 loaders offer a bucket crowd angle which is currently unequalled on the market. Materials remain in the bucket in their entirety, regardless of the lift position of the loader.

FITLOCK 2+ SYSTEM

EXCLUSIVE TO MX

AUTOMATIC DUAL SAFETY LOCKING SYSTEM



HITCHING IS AUTOMATIC, UNHITCHING IS INSTANTANEOUS!

The FITLOCK System® enables the loader to be hitched and unhitched leaving the tractor just once.

In the red zone, the loader is unlocked. This permanent information on the loader locking status brings remarkable comfort and safety to the user.

UNIQUE ON THE MARKET!

Locking of the loader is fully automatic. Unlocking is by a conveniently positioned lever.

A LOCKING INDICATOR VISIBLE FROM THE CAB AND FROM OUTSIDE

The FITLOCK 2+ System® hitching system has a lock warning indicator that is equally visible from inside or outside the cab.

Very clear, there is no room for confusion: once the indicator is in the green zone, the loader is locked.

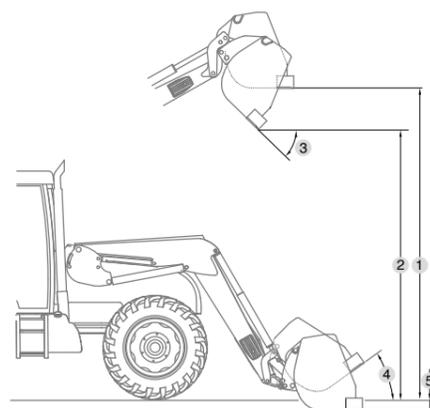


T400 RANGE PERFORMANCE



T406 T408 T408+ T410 T410+ T412 T412+ T414 T417 T418

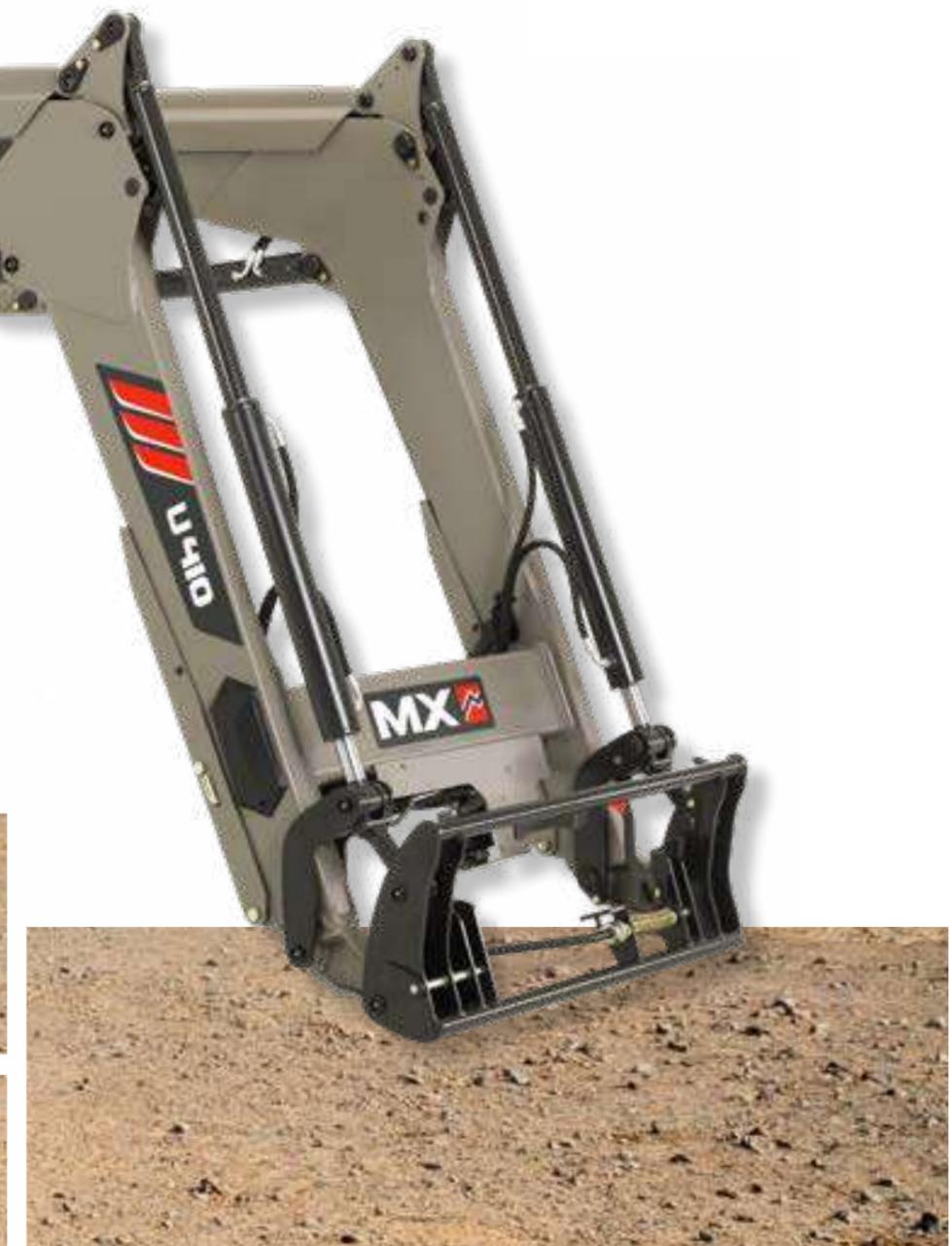
TRACTOR	TRACTOR POWER (hp)	60 - 90	80 - 120	80 - 120	90 - 140	90 - 140	100 - 180	100 - 180	120 - 220	150 - 300	150 - 300**
	NUMBER OF CYLINDERS	3 - 4	4	4	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6	6	6
	MAX FRONT TYRES (4WD)	13-6 R24	14-9 R24	14-9 R24	14-9 R28	14-9 R28	16-9 R28	16-9 R28	16-9 R30	16-9 R30	16-9 R30
	WEIGHT	5300 kg	5500 kg	5500 kg	8500 kg	8500 kg	9500 kg	9500 kg	11500 kg	11500 kg	11500 kg
LOADER	HYDRAULIC PARALLELOGRAM (PCH)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	LIFT HEIGHTS										
	Maximum height at implement pivot*	3.75 m	3.85 m	3.85 m	4.00 m	4.00 m	4.15 m	4.15 m	4.50 m	4.60 m	4.60 m
	① Max. height under horizontal bucket	3.50 m	3.60 m	3.60 m	3.75 m	3.75 m	3.90 m	3.90 m	4.25 m	4.35 m	4.35 m
	② Max. height under dumped bucket#	2.95 m	3.05 m	3.05 m	3.20 m	3.20 m	3.35 m	3.35 m	3.70 m	3.80 m	3.80 m
	WORKING ANGLES										
	③ Dumping angle at full height#	52°	55°	55°	55°	55°	55°	55°	50°	50°	50°
	④ Crowd angle at ground level#	47°	52°	52°	52°	52°	52°	52°	52°	51°	51°
	DIGGING DEPTH ⑤	0.20 m	0.20 m								
	LIFT FORCE at implement pivot, ground level*	1900 kg	2100 kg	2400 kg	2400 kg	2750 kg	2750 kg	3100 kg	2670 kg	3430 kg	3430 kg
	LIFT CAPACITY at implement pivot over the entire lifting range*	1500 kg	1890 kg	2200 kg	2190 kg	2500 kg	2450 kg	2780 kg	2320 kg	3050 kg	3050 kg
	PAYLOAD ON PALLET at 600 mm out on forks										
	At ground level:	1450 kg	1850 kg	2010 kg	2080 kg	2420 kg	2410 kg	2610 kg	2360 kg	3040 kg	3040 kg
	2 m from the ground:	1380 kg	1740 kg	2040 kg	2000 kg	2310 kg	2290 kg	2490 kg	2200 kg	2860 kg	2860 kg
	3 m from the ground:	1350 kg	1650 kg	1950 kg	1980 kg	2270 kg	2230 kg	2430 kg	2150 kg	2700 kg	2700 kg
Max. height:	1350 kg	1630 kg	1930 kg	1960 kg	2250 kg	2200 kg	2400 kg	2150 kg	2650 kg	2650 kg	
LIFTING TIME	3.9 s	4.6 s	5.4 s	5.4 s	6.2 s	6.2 s	7.1 s	6.4 s	8.2 s	8.2 s	
DUMPING TIME	0.7 s	1.0 s	1.0 s	1.0 s	1.4 s						
WEIGHT WITHOUT EQUIPMENT	460 kg	480 kg	485 kg	535 kg	545 kg	550 kg	555 kg	630 kg	660 kg	697 kg	



Specifications determined at 190 bar pressure and 60 litres/min flow rate.
 Data may vary depending on the type of tractor being equipped.
 * Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used.
 ** For tractors with wide bonnets.
 # Figures provided for multipurpose bucket.

U400 series

The U400 series of loaders is the perfect choice if you are looking for a robust and versatile solution for your everyday handling needs.



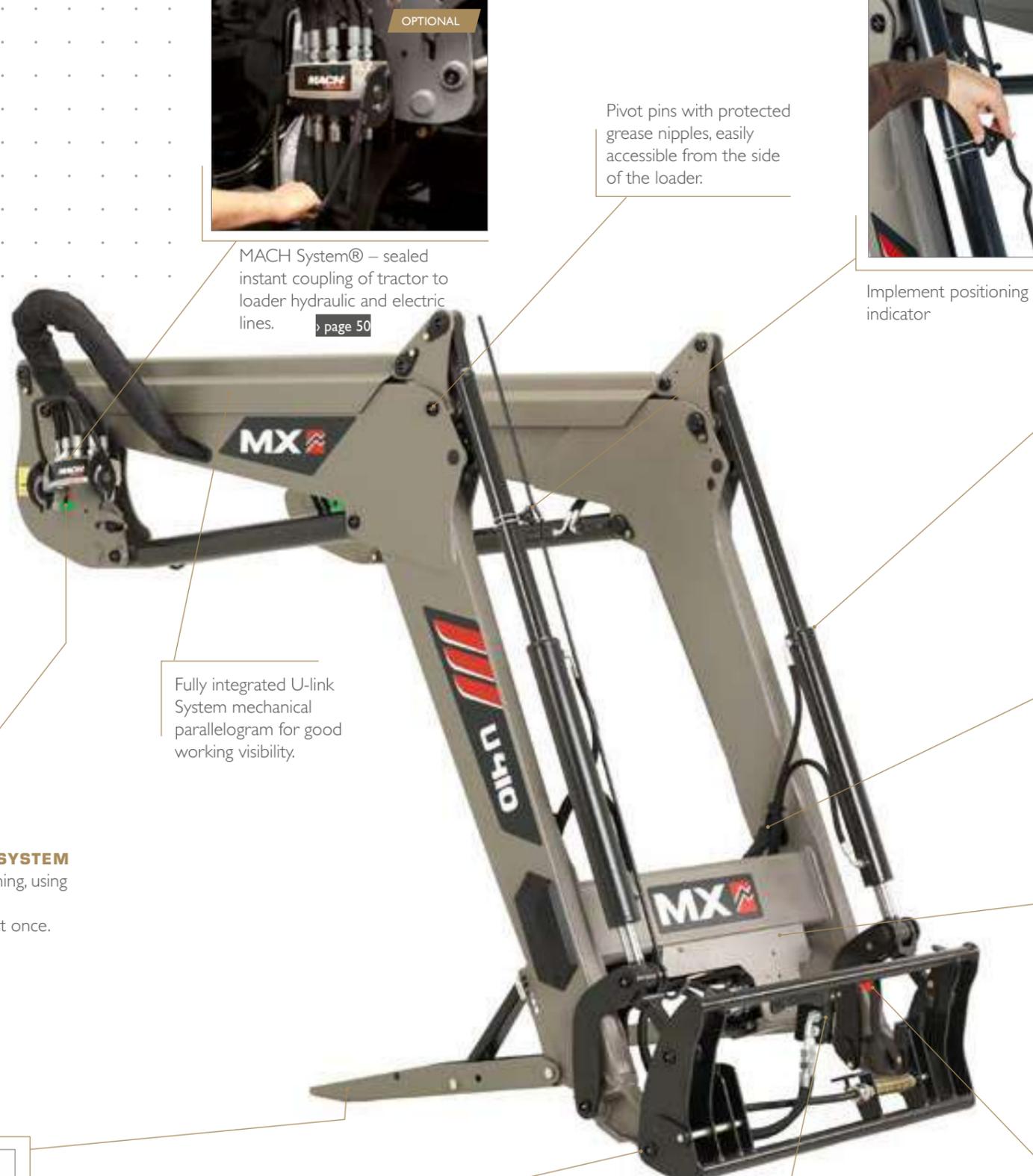
M-extend dedication!

To reduce our consumption of steel, we use software that enables optimisation of the profiling and cutting of parts in the sheet metal, thus limiting wastage.

By using modelling and accelerated ageing tests, we aim for the right quantity of steel in the right place, in order to ensure durability.



VERSATILE BY DEFINITION,
STRONG,
EFFECTIVE AND
RELIABLE BY NATURE



AUTOMATIC LOCKING SYSTEM

Easy, secure hitching/unhitching, using the FITLOCK 2+ System®. Requires leaving the cab just once.

▶ page 19

The parking stands are fully integrated into the loader arms and have their own simple and effective locking/unlocking mechanism.



Heavy-duty wear bushes designed for intensive use.



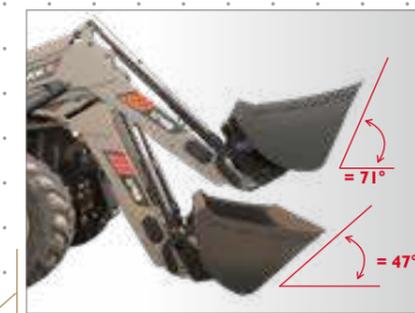
OPTIONAL

MACH System® – sealed instant coupling of tractor to loader hydraulic and electric lines. ▶ page 50

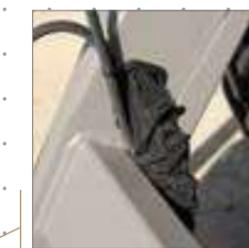
Pivot pins with protected grease nipples, easily accessible from the side of the loader.



Implement positioning indicator



Crowd angle offering maximum efficiency: up to 71° at 1.20 m from the ground.

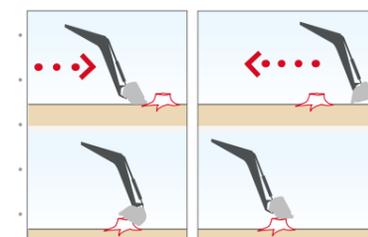


The hydraulic lines and cable array are protected from extreme conditions by a nylon anti-abrasion and polyurethane ducting respectively.

Dual protection electrical wiring harnesses in closed, ringed sleeves.



The integrated hydraulics unit is protected from impacts and falling objects by a double housing. Two anti-impact valves as standard.



OPTIONAL

Instant multi-coupling for loader/ implement hydraulics with the MACH 2® connector. ▶ page 50

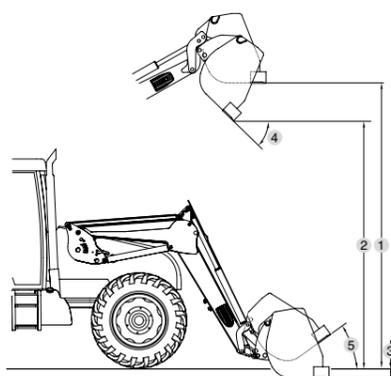


Automatic locking implement carrier. Externally accessible release handle.

U400 RANGE PERFORMANCE



TRACTOR	TRACTOR POWER (hp)	40 - 80	40 - 80	60 - 90	60 - 90	60 - 90	80 - 120	80 - 120	80 - 120	90 - 140	90 - 140	90 - 140	100 - 180	100 - 180	120 - 220	
	NUMBER OF CYLINDERS	3 - 4	3 - 4	3 - 4	3 - 4	3 - 4	4	4	4	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6	4 - 6
MAX FRONT TYRES (4WD)	12-4 R24	12-4 R24	13-6 R24	13-6 R24	13-6 R24	14-9 R24	14-9 R24	14-9 R24	14-9 R28	14-9 R28	14-9 R28	16-9 R28	16-9 R28	16-9 R30	16-9 R30	
WEIGHT	4000 kg	4000 kg	4300 kg	4300 kg	4300 kg	4500 kg	4500 kg	4500 kg	6500 kg	6500 kg	6500 kg	7500 kg	7500 kg	7500 kg	10000 kg	
LOADER	U-LINK MECHANICAL PARALLELOGRAM	x	✓	x	✓	✓	x	✓	✓	x	✓	✓	✓	✓	✓	
	LIFT HEIGHTS															
	Maximum height at implement pivot*	3.50 m	3.50 m	3.75 m	3.75 m	3.75 m	3.85 m	3.85 m	3.85 m	4.00 m	4.00 m	4.00 m	4.15 m	4.15 m	4.50 m	
	① Max. height under horizontal bucket	3.25 m	3.25 m	3.50 m	3.50 m	3.50 m	3.60 m	3.60 m	3.60 m	3.75 m	3.75 m	3.75 m	3.90 m	3.90 m	4.25 m	
	② Max. height under dumped bucket#	2.70 m	2.70 m	2.95 m	2.95 m	2.95 m	3.05 m	3.05 m	3.05 m	3.20 m	3.20 m	3.20 m	3.35 m	3.35 m	3.70 m	
	WORKING ANGLES															
	④ Dumping angle at full height#	52°	52°	52°	52°	52°	55°	55°	55°	55°	55°	55°	55°	55°	55°	50°
	⑤ Crowd angle at ground level#	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°	47°
	DIGGING DEPTH ③	0.20 m	0.20 m	0.20 m	0.20 m											
	LIFT FORCE at implement pivot, ground level*	1600 kg	1600 kg	2200 kg	1900 kg	2200 kg	2100 kg	2100 kg	2400 kg	2400 kg	2400 kg	2400 kg	2750 kg	2400 kg	2750 kg	2670 kg
	LIFT CAPACITY at implement pivot over the entire lifting range*	1400 kg	1400 kg	1750 kg	1500 kg	1750 kg	1900 kg	1900 kg	2200 kg	2200 kg	2200 kg	2200 kg	2500 kg	2200 kg	2500 kg	2320 kg
	PAYLOAD ON PALLET at 600 mm out on forks															
	At ground level:	950 kg	1180 kg	1450 kg	1400 kg	1760 kg	1750 kg	1600 kg	1900 kg	1600 kg	1780 kg	2150 kg	1825 kg	2170 kg	2100 kg	2100 kg
	2 m from the ground:	970 kg	1220 kg	1300 kg	1350 kg	1640 kg	1650 kg	1700 kg	1950 kg	1550 kg	1780 kg	2150 kg	1825 kg	2170 kg	2100 kg	2100 kg
	3 m from the ground:	850 kg	1200 kg	1175 kg	1320 kg	1600 kg	1550 kg	1650 kg	1950 kg	1525 kg	1780 kg	2150 kg	1825 kg	2170 kg	2100 kg	2100 kg
Max. height:	850 kg	1180 kg	1100 kg	1320 kg	1600 kg	1500 kg	1600 kg	1900 kg	1500 kg	1780 kg	2150 kg	1825 kg	2170 kg	2100 kg	2100 kg	
LIFTING TIME	3.3 s	3.3 s	4.6 s	3.9 s	4.6 s	5.4 s	4.6 s	5.4 s	5.4 s	5.4 s	6.2 s	5.4 s	6.2 s	6.4 s	6.4 s	
DUMPING TIME	1.4 s	1.4 s	1.4 s	1.4 s	1.8 s	1.8 s	1.9 s	2.2 s	1.8 s	1.9 s	2.2 s	1.9 s	2.2 s	2.2 s	2.2 s	
WEIGHT WITHOUT EQUIPMENT	400 kg	455 kg	450 kg	500 kg	510 kg	475 kg	520 kg	530 kg	510 kg	575 kg	585 kg	595 kg	605 kg	720 kg	720 kg	



Specifications determined at 190 bar pressure and 60 litres/min flow rate.
Data may vary depending on the type of tractor being equipped.
* Only payloads are counted.
The figures at ground level and at the implement pivot axis are not to be used.
#Figures provided for a multipurpose bucket

A100 series

A100 series loaders are suitable for non-intensive basic handling



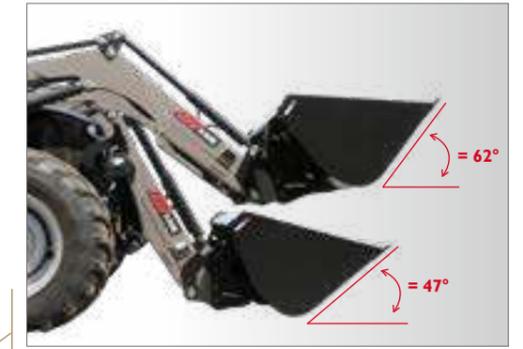
A BASIC LOADER DESIGNED FOR YOUR ESSENTIAL NEEDS



MACH System® – sealed instant coupling of tractor to loader hydraulic and electric lines. [page 50](#)



Implement positioning indicator



Crowding angle: 62° at 1.00 m above ground level.



The hydraulic lines and polyurethane cable array pass discreetly along the underside of the loader arms. This protection ensures that they remain clean and easy to access.



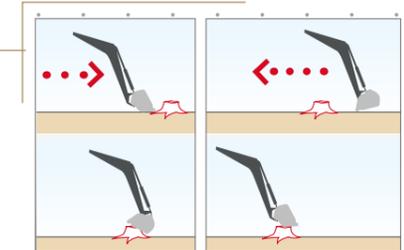
For maximum longevity all of the pivot joints are protected by bi-metal bushes fitted with an anti-rotation system.



Easy hitching/unhitching, using the FITLOCK 2M System®. Requires leaving the cab just once. Manual locking.



The parking stands are fully integrated into the loader arms and have their own simple and effective locking/unlocking mechanism. When stowed, they serve as a protective cover for the hydraulic hoses.



The dumping rams are linked to a double pressure limiter, also known as an anti-impact valve, which protects the loader in both forwards and reverse (scraping) motion.



Automatic locking implement carrier: Unlocking handles accessible from each side of the frame.



Easy access to the 3rd function for implements requiring a hydraulic supply.

A100 RANGE PERFORMANCE

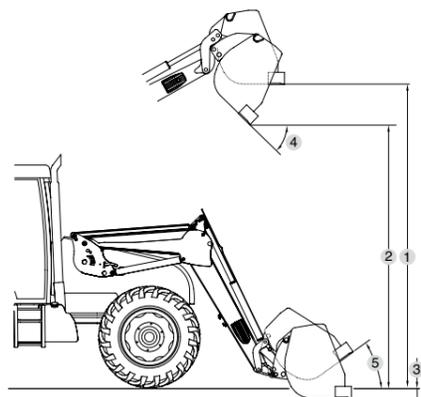


A104

A106

A110

TRACTOR	TRACTOR POWER (hp)	40 - 80	60 - 90	90 - 140
	NUMBER OF CYLINDERS	3 / 4	3 / 4	4
	MAX FRONT TYRES (4WD)	12-4 R24	13-6 R24	14-9 R28
	WEIGHT	4000 kg	4300 kg	6500 kg
LOADER	MECHANICAL PARALLELOGRAM	✓	✓	✓
	LIFT HEIGHTS			
	Maximum height at implement pivot*	3.50 m	3.80 m	4.00 m
	① Max. height under horizontal bucket	3.15 m	3.45 m	3.65 m
	② Max. height under dumped bucket#	2.50 m	2.80 m	3.00 m
	WORKING ANGLES			
	④ Dumping angle at full height#	55°	55°	55°
	⑤ Crowd angle at ground level#	47°	47°	47°
	DIGGING DEPTH ③	0.15 m	0.15 m	0.15 m
	LIFT FORCE at implement pivot, ground level*	1900 kg	2150 kg	2300 kg
	LIFT CAPACITY at implement pivot over the entire lifting range*	1500 kg	2000 kg	2150 kg
	PAYLOAD ON PALLET at 600 mm out on forks			
	At ground level:	1380 kg	1600 kg	1800 kg
	2 m from the ground:	1400 kg	1650 kg	1850 kg
	3 m from the ground:	1350 kg	1600 kg	1800 kg
Max. height:	1300 kg	1500 kg	1700 kg	
LIFTING TIME	3.7 s	4.3 s	5 s	
DUMPING TIME	1.8 s	2 s	2.1 s	
WEIGHT WITHOUT EQUIPMENT	430 kg	440 kg	500 kg	



Specifications determined at 190 bar pressure and 60 litres/min flow rate.
 Data may vary depending on the type of tractor being equipped.
 * Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used.
 #Figures provided for a multipurpose bucket



F300 series

The result of a dedicated development programme for applications requiring a loader with a narrow profile, the compact design of the F300 series loaders perfectly combines all the advantages and performance of an MX loader.



A LOADER TAILOR-MADE FOR VINEYARD AND ORCHARD WORK



INTEGRATED HYDRAULIC SYSTEM

The hydraulic unit and circuits are fully integrated into the structure of the loader, offering excellent protection against accidentally catching on narrow vineyard and orchard rows.



*Crowding reserve: +20° of crowding reserve to a height of 1.15 m, thanks to the loader linkage and the design of the dumping rams.



THE HYDRAULICS UNIT, FULLY INTEGRATED AND PROTECTED

Positioned under the cross-bar and thus affording optimal visibility from the cab, the unit has two anti-impact valves (double pressure limiters) as standard and the 3rd function solenoid valve (3rd function optional). It also has a housing to protect it from falling objects.

EXCLUSIVE TO MX



CLEAR-LINK SYSTEM PARALLELOGRAM: DESIGNED TO LAST

This mechanical parallelogram design covers the full height of the loader to the dumping ram for maximum integration and optimum visibility.

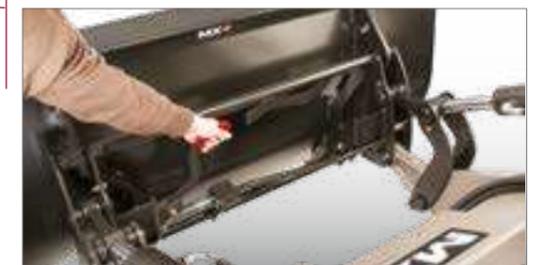
With fewer pivot points on the CLEAR-LINK System than on conventional parallelogram designs, maintenance is reduced and product life extended.

EFFICIENCY AND COMPLETE SAFETY

Developed specifically for confined working environments, the MX F300 series of loaders also boasts unrivalled performance in its class with, for example, the capacity to lift 1,175 kg to a lift height of 3.20 m.



The parking stands are fully integrated into the loader arms and have their own simple and effective locking/unlocking mechanism.



Automatic locking implement carrier: Unlocking handles accessible from each side of the frame.

F300 RANGE PERFORMANCE

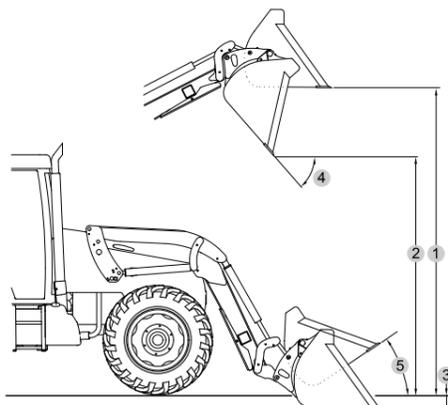


F303

F304

TRACTOR	TRACTOR POWER (hp)	50 - 120	50 - 120
	NUMBER OF CYLINDERS	3 / 4	3 / 4
	MAX FRONT TYRES (4WD)	11-2 R20	11-2 R20
	WEIGHT	4000 kg	4000 kg
	CLEAR-LINK MECHANICAL PARALLELOGRAM	✗	✓
	LIFT HEIGHTS		
	Max. height at implement pivot*	3.20 m	3.20 m
	① Max. height under horizontal bucket	2.95 m	2.95 m
	② Max. height under dumped bucket#	2.40 m	2.40 m
	WORKING ANGLES		
	④ Dumping angle at full height#	48°	48°
	⑤ Ground crowding angle	45°	45°
	DIGGING DEPTH ③	0.15 m	0.15 m
	LIFT FORCE at implement pivot, ground level*	1550 kg	1550 kg
	CAPACITY of implement pivot over full lift height	1400 kg	1400 kg
	PAYLOAD ON PALLET at 600 mm out on forks		
	on ground	950 kg	1200 kg
	2 m from ground	875 kg	1175 kg
	3 m from ground	770 kg	1175 kg
	at max. height	750 kg	1175 kg
	LIFTING TIME	3 sec	3 sec
	DUMPING TIME	1.4 sec	1.4 sec
	WEIGHT WITHOUT EQUIPMENT	375 kg	422 kg

LOADER



Specifications determined at 190 bar pressure and 60 litres/min flow rate.
Data may vary depending on the type of tractor being equipped.
* Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used.
Figures given for an earth bucket.



360° UNOBSTRUCTED VISIBILITY



COMPACT series

COMPACT series loaders have a simple and functional design that draws on MX know-how, and are ideal for performing all grounds care and amenity handling tasks with ease and precision.



A BALANCED DESIGN, COMBINING PERFORMANCE AND DURABILITY



MACH System® – “non drip” instant coupling of tractor to loader hydraulic and electric lines * [page 50](#)



OPTIMUM MAXIMUM HEIGHT

One of the main attributes of MX COMPACT loaders is maintaining the compactness of the tractor/loader units, whilst achieving the maximum lift height and reach for easier dumping of materials into high trailers and stack pallets.



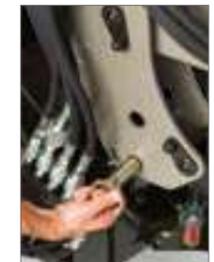
INSTANT HITCHING/UNHITCHING OF LOADER AND TRACTOR

Loaders can be hitched and unhitched from the tractor easily and quickly using a simple pin mechanism. The loader sub-frame is tailor-made to match each specific tractor model, which ensures a compact design with unrestricted access to maintenance points.



SAFE MOVEMENT

Approaching the loader is easy and safe, thanks to complete visibility.



RAPID MOVEMENT

Pin locking is simple and quick. A safety latch* holds the locking pin in place. This system replaces a conventional clip design.



CLEAR-LINK SYSTEM PARALLELOGRAM

THE CLEAR-LINK SYSTEM PARALLELOGRAM

The mechanical CLEAR-LINK System parallelogram fully covers the height of the loader to the dumping ram for maximum integration and optimum visibility. There are fewer joints in the CLEAR-LINK System than in a classic parallelogram, which reduces its maintenance costs and prolongs the product's useful lifetime.



HYDRAULIC INTEGRATION

The hydraulic piping is fully integrated into the boom for complete protection against shocks.

Indicator rod*



Instant multi-coupling for loader/implement hydraulics with the MACH 2® connector. [page 50](#)



ACCESSIBLE PARKING STANDS

Positioned discreetly and under the loader arm, they are very simple to use.



OPTIMUM BUCKET CAPACITY

With more than 45° crowding at ground level, the implement is always correctly filled. Efficiency is ensured.

AUTOMATIC LOCKING IMPLEMENT CARRIER*

Without descending from the tractor, the implement locks as soon as it is attached on the carrier thanks to an auto-hitch detector. It is unlocked simply by using an accessible lever, on the left side.



MANUAL LOCKING IMPLEMENT CARRIER FOR C1/C1s

Makes the loader more versatile for quick changing of implements (BMS 118, BRC 118, BFC 118, CGC 118) and allows installation of pallet fork and carrier tines (TRC 500) or a MANUBAL 2-tine kit. [page 113](#)

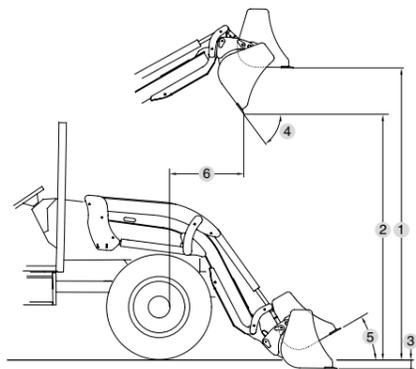


COMPACT RANGE PERFORMANCE



CI CI s C2u C2 C2+ C3u C3 C3+ C4 C4+

TRACTOR	TRACTOR POWER (hp)	15 - 30	15 - 30	20 - 35		20 - 35	20 - 35	25 - 50	25 - 50	25 - 50	40 - 70	40 - 70	
	MIN. WHEELBASE	1250 mm	1250 mm	1500 mm		1500 mm	1500 mm	1650 mm	1650 mm	1650 mm	1800 mm	1800 mm	
	MAX FRONT TYRES (4WD)	6 - 12	6 - 12	7 - 14		7 - 14	7 - 14	7 - 16	7 - 16	7 - 16	9.5 - 16	9.5 - 16	
	WEIGHT	600 kg	600 kg	900 kg		900 kg	900 kg	1200 kg	1200 kg	1200 kg	1600 kg	1600 kg	
LOADER	CLEAR-LINK MECHANICAL PARALLELOGRAM	✗	✗	✗		✗	✗	✗	✗	✗	✗	✗	
	IMPLEMENT CARRIER	option (manual locking)			✗	✓ (auto lock)	✓ (auto lock)	✗	✓ (auto lock)				
	INDICATOR ROD	✗	✗	✗		✗	✗	✗	✗	✗	✗	✗	✗
	LIFT HEIGHTS												
	Maximum height at implement pivot*	1.92 m	1.92 m	2.25 m		2.25 m	2.25 m	2.60 m	2.60 m	2.60 m	2.90 m	2.90 m	2.90 m
	① Max. height under horizontal bucket	1.80 m	1.80 m	2.05 m		2.03 m	2.03 m	2.40 m	2.40 m	2.40 m	2.70 m	2.70 m	2.70 m
	② Max. height under dumped bucket#	1.50 m	1.50 m	1.72 m		1.62 m	1.63 m	2.05 m	2.05 m	2.05 m	2.30 m	2.30 m	2.30 m
	WORKING ANGLES												
	④ Dumping angle at full height#	40°	40°	40°		57°	57°	35°	50°	50°	50°	50°	50°
	Dumping angle at ground level#	125°	125°	122°		135°	135°	127°	140°	140°	140°	140°	140°
	⑤ Crowd angle at ground level#	30°	30°	22°		42°	42°	25°	45°	46°	45°	45°	45°
	DIGGING DEPTH ③	10 cm	10 cm	15 cm		15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm
	FRONT UNLOADING RANGE ⑥	900 mm	900 mm	900-1050 mm		900-1050 mm	900-1050 mm	960-1060 mm	960-1060 mm	960-1060 mm	850-1150 mm	850-1150 mm	850-1150 mm
	LIFT FORCE AT IMPLEMENT PIVOT, GROUND LEVEL*	450 kg	450 kg	570 kg		570 kg	570 kg	750 kg	750 kg	750 kg	1100 kg	1100 kg	1100 kg
	LIFT CAPACITY AT IMPLEMENT PIVOT OVER THE ENTIRE LIFTING RANGE*	420 kg	420 kg	570 kg		570 kg	570 kg	740 kg	740 kg	740 kg	1100 kg	1100 kg	1100 kg
	PAYLOAD**:												
At ground level:	350 kg	350 kg	365 kg		365 kg	450 kg	420 kg	420 kg	530 kg	700 kg	900 kg	900 kg	
1 m from the ground:	350 kg	350 kg	405 kg		405 kg	500 kg	440 kg	440 kg	530 kg	730 kg	900 kg	900 kg	
2 m from the ground:	-	-	395 kg		395 kg	500 kg	430 kg	430 kg	530 kg	690 kg	900 kg	900 kg	
Max. height:	350 kg	350 kg	350 kg		350 kg	480 kg	380 kg	380 kg	530 kg	620 kg	900 kg	900 kg	
LIFTING TIME	3 s	3 s	4.5 s		4.5 s	4.5 s	4.5 s	4.5 s	4.5 s	3.9 s	3.9 s	3.9 s	
DUMPING TIME	3 s	3 s	2.1 s		2.2 s	2.2 s	2.1 s	2.2 s	2.2 s	1.7 s	1.7 s	1.7 s	
WEIGHT WITHOUT EQUIPMENT	85 kg	90 kg	200 kg		220 kg	240 kg	200 kg	220 kg	240 kg	230 kg	270 kg	270 kg	



Data may vary depending on the type of tractor being equipped
 Characteristics measured at:
 - 140 bar pressure and a flow rate of 15 litres/min for MX CI / CI s
 - 140 bar pressure and a flow rate of 20 litres/min for MX C2u / C2 / C2+ / C3u / C3 / C3+
 - 180 bar pressure and a flow rate of 30 litres/min for MX C4 / C4+
 * Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used.
 ** MX C2u / C2 / C2+ / C3u / C3 / C3+ / C4 / C4+: Payload at 70 cm from implement pivot
 MX CI/CI s: Payload at the centre of a fully crowded general purpose bucket.
 # Figures provided for a multipurpose bucket



Implement carriers
» page 48



Electro-hydraulic hitching/
unhitching of implements
» page 48



Automatic hitching/
unhitching of implements
and hydraulic and
electrical functions
» page 48



3rd Function & 4th Function
» page 50



Shock absorber
» page 50



Instant hydraulic connection
loader ↔ implement
» page 50



Instant electro-hydraulic connection
tractor ↔ loader
» page 50



Lifting/dumping safety device
» page 51



Specific colour
» page 51



Synchronisation of bucket/grab
movements
» page 51



Automatic implement
position reset
» page 51



Wireless and portable
weighing system for loaders
» page 51

IMPLEMENT HITCHING SYSTEMS

TAILORED TO YOUR EXACT NEEDS

IMPLEMENT CARRIERS

MX IMPLEMENT CARRIERS – TOOL HITCHING WITH AUTOMATIC LOCKING

Using the MX implement carrier, implements are automatically and independently locked. To unlock simply operate the lever conveniently situated on the tractor's near side.

It is designed to guarantee the best possible crowding and dumping angles while enabling the use of large-size implements. The hitching arms provide effective visibility during hitching and the Ø30 mm locking pins guarantee reliability under all conditions.



EURO IMPLEMENT CARRIER (1)

Specifically designed for hitching your Euro implements.

MX/EURO MIXED IMPLEMENT CARRIER (2)

This combination implement carrier facilitates both MX and Euro hitching, without compromising crowd and dump performance. Not compatible with the FAST-LOCK System® or SPEED-LINK System®.



EURO/SIGMA 4 IMPLEMENT CARRIER (3)

EURO/SMS IMPLEMENT CARRIER (4)



MX/FAUCHEUX WHITE IMPLEMENT CARRIER (5)

EURO/TENIAS IMPLEMENT CARRIER (6)

ELECTRO-HYDRAULIC HITCHING/UNHITCHING OF IMPLEMENTS



Hitch and unhitch implements without leaving your seat – this is the convenience offered by the FAST-LOCK System®. This system operates independently of the 3rd function, which remains available for other manoeuvres.

except T418, A100 series & mixed carriers
MX or Euro hitching compatible.

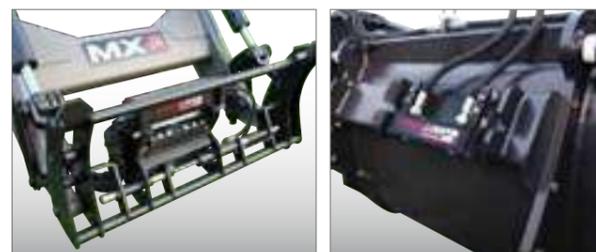


FULLY AUTOMATIC HITCHING/UNHITCHING OF IMPLEMENTS C/W HYDRAULIC AND ELECTRIC FUNCTIONS



Exclusive to MX, the SPEED-LINK System® allows you to hitch and unhitch all of your implements without leaving the tractor. It connects the loader to the implement automatically using the 3rd and 4th functions.

T400 series only, except T418 loader and mixed carriers
MX or Euro hitching compatible.



GREATER EFFICIENCY, MORE COMFORT AND INCREASED SAFETY WITH MX EQUIPMENT



3RD FUNCTION & 4TH FUNCTION

3RD FUNCTION

A 3rd function is required for implements that require a hydraulic supply. Its flexible double-braided hoses are protected by an anti-abrasion sheath. Easily accessible for a quick and simple connection.

4RD FUNCTION

Available for implements requiring two additional hydraulic services (e.g. MANUBAL V60, silage buckets, etc.)



SHOCK Eliminator® SYSTEM



SHOCK ABSORBER

Reduces the shocks and bounce caused when driving the tractor and handling heavy implements. Once the loader has been unhitched, the Shock Eliminator fitted to the tractor ensures compatibility with the front linkage.

Mach2®



INSTANT HYDRAULIC LOADER ↔ IMPLEMENT CONNECTION

With one simple movement, all the hydraulic and electric functions of the loader are fully connected, even under pressure. It is also equipped with NS flat face couplings that eliminate any risk of pollution to the hydraulic circuits or the environment. Finally, the unit's position on the carrier avoids any wear to hoses between implement and loader.

Not available on the CI/CI s

MACH SYSTEM



INSTANT ELECTRO-HYDRAULIC TRACTOR ↔ LOADER CONNECTION

Strong, reliable and easy to use, it connects and disconnects all couplings with a single movement, even under pressure. MACH System® includes NS flat face couplings that eliminate any risk of pollution to the hydraulic circuits or the environment.

Not available on the CI/CI s



SYNCHRONISATION OF BUCKET/GRAB MOVEMENTS

With the AUTO-UNLOAD®, developed by MX to increase working efficiency, the grab is automatically opened as the bucket dumps forward. There is currently no equivalent system available on the market.

Only for T400/TX400 series loaders with MX e-Pilot control.

AUTOMATIC IMPLEMENT POSITION RESET

The AUTO-LEVEL® automatically repositions the bucket to a preselected position, with a simple press of a button. Ideal to eliminate repetitive movements to reposition the bucket before loading. The operator's attention may be fully focused on tractor manoeuvring.

Only for T400/TX400 series loaders with MX e-Pilot and e-Pilot S controls.



LIFTING/DUMPING SAFETY DEVICE

This device is essential if people are staying around the load while you are working.

In accordance with standard EN 12525-A2 2010, it can be disengaged for working when no one is near the load. You don't lose speed or power. Unique, this optional device is compatible with the SHOCK ELIMINATOR System® and locked-in float position.



CUSTOMISED COLOUR

For complete integration of the loader with your tractor, MX can paint it the colour of your choice.



MPE3 TYPE 3 WIRELESS AND PORTABLE WEIGHING SYSTEM FOR LOADERS

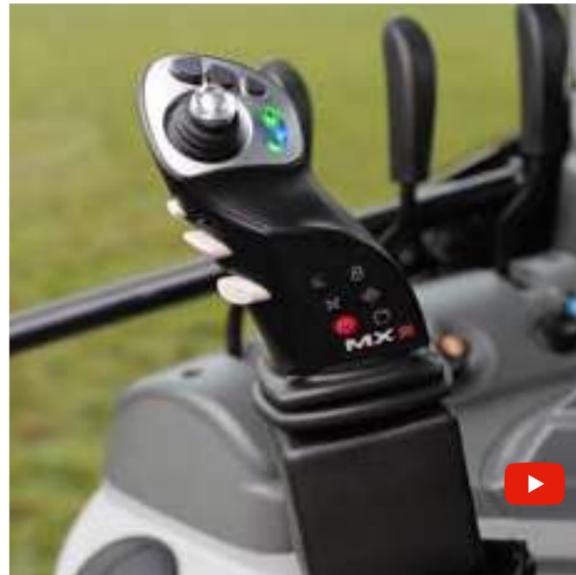
Essential for controlling the weighing of animal feed and the monitoring of stocks of fodder, cereals or fertilisers.

ALWAYS WITHIN REACH

The portable MPE3 is always available, in the tractor cab, on hand, in your pocket... Whatever you handle, weighing is optimal*.

A control suited to your purposes

The control should be intuitive, accurate and effective, and fully adapted to the cab space available. To achieve this, each individual tractor model is subject to a specific study.



PILOT
SYSTEM

The ultimate electronic control

TX400 and T400 series only

▶ page 54



PILOT S
SYSTEM

The "mini" electronic control

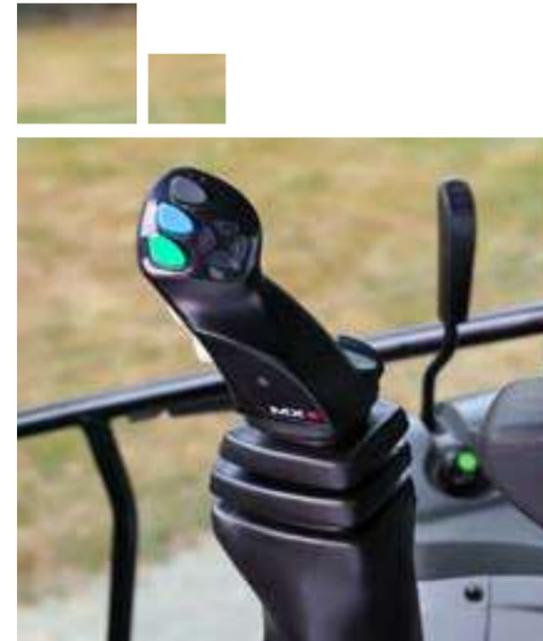
Not available for the COMPACT series of loaders

▶ page 56

M-extend dedication!

Co-development: we continually trial our control designs with customers, and always strive to offer you the most ergonomic everyday solutions!

controls



FLEX PILOT
SYSTEM

Low pressure hydraulic control

Not available for TX400, F300 or COMPACT series loaders

▶ page 58



PRO PILOT
SYSTEM

Cable control

Not available for TX400 series loaders

▶ page 58

EQUIPMENT

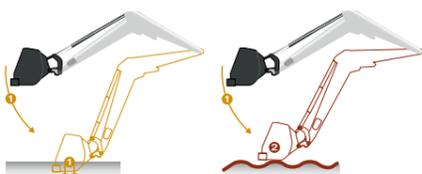
	PILOT	PILOT S	FLEX PILOT SYSTEM	PRO PILOT SYSTEM
MACH System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pre-set connection for MX front linkage only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Basic 3rd function (if loader equipped)	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Direct and progressive 3rd function, with combined movements (only on T400 / TX400 series)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-	-
Basic 4F	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Direct and progressive 4F	<input type="checkbox"/>	-	-	-
AUTO-UNLOAD	<input checked="" type="checkbox"/>	-	-	-
AUTO-LEVEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
SMART-SHOCK (electronic absorber)	-	<input checked="" type="checkbox"/>	-	-
Original configuration tractor buttons (analogue wiring)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Continuous 3F (pumping)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
Restrictor	<input checked="" type="checkbox"/>	-	-	-
Bucket shake	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
Cab attachment fitting	MULTI-ARM system	Customised and detachable	MULTI-ARM system	MULTI-ARM system
Compatible loaders	T400/TX400	F300/A100/U400/T400/TX400	A100/U400/T400	F300/A100/U400/T400

: standard equipment / : optional equipment / - : non-compatible equipment

THE PREMIUM CONTROL SYSTEM WITH FULLY-INTEGRATED FUNCTIONALITY

HYDRAULIC CONTROL VALVES WITH NOTCHED LOCKED-IN FLOAT POSITION

All MX hydraulic control valves have a locked-in float position as standard. They are designed to adjust to all types of hydraulic circuits on tractors currently available on the market.



- 1 Double acting lowering
- 2 Float position maintained at ground level

The combined lever/control valve unit also supports multi-function lifting and crowding movements, no matter which control system you choose.



- RESTRICTOR**
 - 1 press: dumping slowdown
 - 2 presses: slowdown of the 3rd/4th function
 - 3 presses: slowdown of dumping & 3rd and 4th function

- Electrical activation/deactivation of the **SHOCK ELIMINATOR** suspension

Lever ON / OFF

Provision for future additional tractor/loader functions

long press + 3rd function
FAST-LOCK or SPEED-LINK System implement locking/unlocking (if the loader is fitted)

long press +
Continuous activation of the 3rd function.

short press
Selection of **4th function** or AUTO-UNLOAD/AUTO-LEVEL System

long press
User configuration of the DIRECT CONTROL Joystick

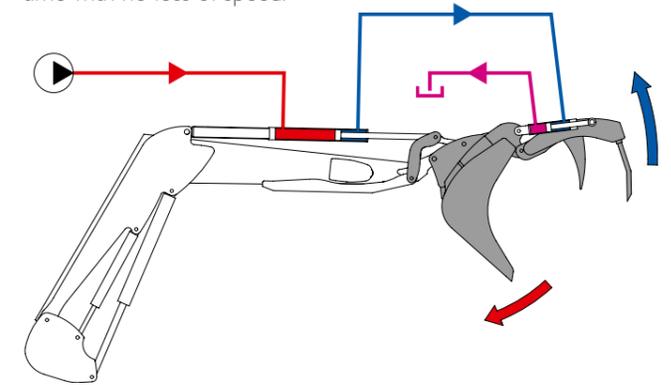
DIRECT CONTROL JOYSTICK

DIRECT AND PROGRESSIVE 3RD FUNCTION

The Direct Control Joystick is fitted into the top of the monolever and provides two control axes allowing a simple movement of the thumb to directly and progressively activate both the 3rd AND 4th functions.

COMBINED MOVEMENTS MX INNOVATION

The e-Pilot system is the only control system designed specifically for the rapid combination of up to three movements. Consequently it is possible to control both dumping and the 3rd function at the same time with no loss of speed.



AUTO-UNLOAD & AUTO-LEVEL SYSTEM



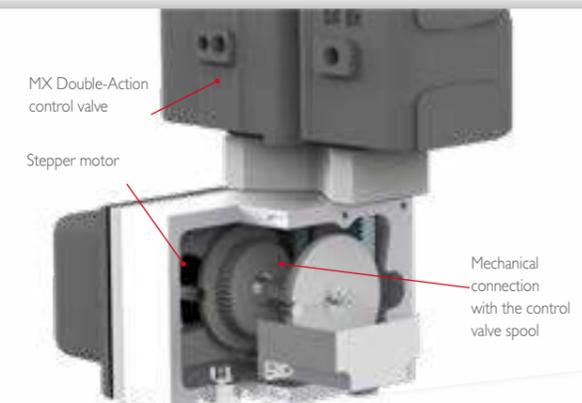
The AUTO-UNLOAD System allows a load to be emptied by opening the grab and tipping the bucket at the same time. The AUTO-LEVEL System then automatically returns the bucket to the horizontal position.

The AUTO-UNLOAD combined with tipping activates the bucket shake, for maximum comfort and efficiency.

DATA CENTRALISATION BY SERVOMOTOR

A water-proof, shock-resistant and electro-magnetically shielded module fitted into the tractor dashboard guarantees communication between the lever and the MX hydraulics control valve. The BUSCAN cable linkage allows for easy installation into the cab.

The Double-Action control valve is fitted with two stepper motors that are mechanically connected to the control valve spools for reactive and precise control entirely independent to any hydraulic disturbance from the tractor.



INSTINCTIVE TO USE & EASY IN-CAB INTEGRATION

QUICK DETACH JOYSTICK

According to the cab layout and specific lever position, the e-Pilot S joystick can be detached very quickly. Simply pull upwards to unlock and store.



When the loader is unhitched, the e-PILOT S handle can be stored in a change tray or 'parking' device* designed for this purpose. This leaves the entire working area free for other tasks.

* option available for order from the Parts department

EXCLUSIVE ELECTRONIC TECHNOLOGY FOR EVERYDAY CONVENTIONAL LOADER CONTROL:

FAST-LOCK or **SPEED-LINK*** System
Implement locking/unlocking with the

ELECTRIC FLOATING POSITION
To follow the contours of the ground (e.g. for grading operations)

CONTINUOUS 3RD FUNCTION
Allows constant pumping at the loaders' auxiliary service without the need to hold the button down.

AUTO-LEVEL*
automatic implement reset with vibration signal once in position

BUCKET SHAKE
Avoids material sticking to the bucket.



* if fitted to loader: #Only for the MX.T400 or TX400

Lever ON / OFF



Activation/deactivation of the **SMART SHOCK & SHOCK ELIMINATOR*** shock absorbers

ERGONOMICS +

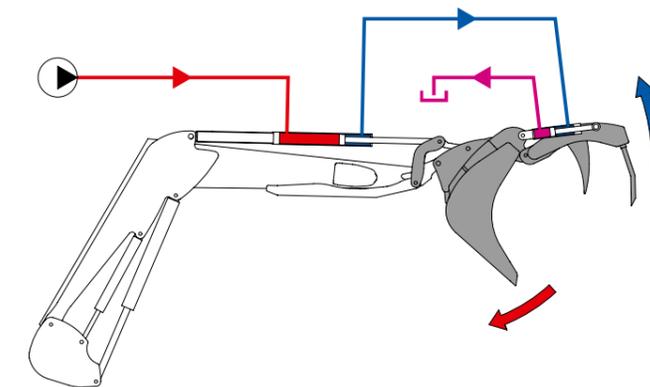
Alongside the **SHOCK-ELIMINATOR**, which uses hydraulics to absorb shocks experienced during driving, the **SMART-SHOCK** absorber is controlled electronically in order to soften the start and stop of each lift and lower movement.

4TH FUNCTION BUTTON*

DIRECT AND PROGRESSIVE 3RD FUNCTION AS AN OPTION#, WITH COMBINED MOVEMENTS

UP TO THREE MOVEMENTS COMBINED FOR INCREASED PRODUCTIVITY

The 3rd function is controlled by the proportional thumbwheel, which also enables the three movements to be combined simultaneously: lifting + dumping + 3rd function.



The combined movements are maintained at an optimal speed thanks to an exclusive concept that reuses the oil returned from dumping to fuel the 3rd function, with no loss of flow.



BUTTON AS STANDARD 3RD FUNCTION AS STANDARD

THE USERS' CHOICE

The levers of the e-Pilot and e-Pilot S each have their own distinct shape and size, allowing them to meet most user requirements:

- Fingertip grip with the e-Pilot S or full hand grip with the e-Pilot
- Choice of lever shape
- Choice of movement and feel



CUSTOMISED INTEGRATION

Depending on the tractor cab's layout, the e-PILOT S is installed to suit the user with the following considerations:

- Clean, straightforward integration
- Optimal positioning
- Extremely ergonomic, tracking the seat's movements

The attachment fittings and assembly instructions are therefore adapted to each tractor model.



280 gr

CONTROLS



LOW PRESSURE HYDRAULIC CONTROL

Unique to the market, this is a popular upgrade. This system uses a low pressure hydraulic control lever that offers smooth, progressive and accurate control, and reduces operator fatigue. The operator controls the oil flow. With no wearing parts, it is maintenance free. Three factory standard customisable buttons.

Not available for TX400 series, F300 series or COMPACT loaders.



CABLE CONTROLS

A simple control system operated by conventional mechanical cables. A basic proven solution. Three customisable buttons (optional).

Not available for TX400 series loaders.



CONNECTION TO THE ORIGINAL TRACTOR CONTROL VALVES

MX loaders can be connected to the tractor's original control valves, either mechanical or electro-hydraulic.



MULTI-FUNCTION MONOLEVER FOR COMPACT LOADERS

A true professional control with an ergonomic joystick and precise control valve.

It can combine implement crowding and loader lifting, and can adjust the implement position during lowering.

All these movements are performed in comfort and single-handed.



1- Control valve with direct control (for C1 and C1s loaders)

2- Control valve with cable control (for C2u, C2, C2+, C3u, C3, C3+, C4 and C4+ loaders)

linkages &

weights



R10

MX front linkages, integrated and adapted to every model of tractor



R16



R12



R20



R16V / R16F / R16VF



R28



R05 / R05N



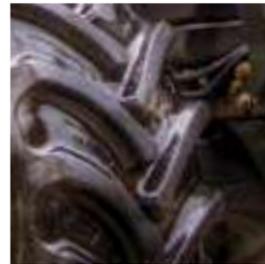
R38



R08 / R08N



R53



M-extend dedication!



MX produces its own weights by recycling steel off-cuts.

The circular economy in action!



MULTIMASS
concept

Well-designed, versatile, modular weights



MULTIMASS
400AD / 600 / 900 / 1200 / 1500



Weight 250/400

INTEGRATED EQUIPMENT, ADAPTED TO EVERY MODEL OF TRACTOR

TAILOR-MADE CHASSIS

More than 4,000 individual tractor models have been specifically studied to ensure perfect integration onto the tractor and compatibility with MX loaders.

Attachment secured with conical washers on the sides and face of the front casting.

STANDARD TAILOR-MADE CHASSIS

Large side brackets fasten and protect the casting/motor/gearbox housing assembly. They are designed to ensure each tractor's original performance and access.

According to tractor model

PUSH BAR

recommended for intensive work (blades, ploughs, etc.)
According to MX recommendations

TRANSMISSION

with tractor-specific shock absorber.

POWER TAKE-OFF

Power up to 150hp.

RIGID CAST PIVOT FRAME*

Special development of high-strength cast pivot frame for optimal stress distribution.



Double-acting rams

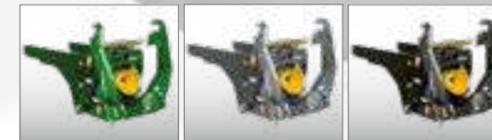
REAR SUPPORTS

They strengthen the tractor integrally, while maintaining its ground clearance.

According to MX recommendations

COLOUR CO-ORDINATE YOUR FRONT LINKAGE TO YOUR TRACTOR'S CHASSIS

To match the look of your tractor, MX front linkages come in three colours: green, grey and black.



LINKAGES COMPATIBLE WITH ALL YOUR IMPLEMENTS

The adjustable spacing of the arms of the R05/R08 ensures the possible hitching/unhitching of all implements – category I, category IN and intermediate categories. The hitching points are spread by simply adjusting a handle screw.



R05 – adjustable spacing



R05N – fixed spacing

Depending on the tractor, a linkage with fixed spacing (R05N/R08N) may be possible.

Safety clips

EXCLUSIVE TO MX

3 WORKING POSITIONS*

- High and low positions:
100 mm gain
- adaptable for all tractor tyres
 - adjustment for different implement sizes (e.g. soil decompactors, blades, weights, etc.)
 - easy access at field entrances

Float position: to follow ground contours (e.g. front mowers)



PROTECTED PIVOT POINTS

Pins with accessible integral grease nipples. Bi-metal wear bushes for greater durability.

EXCLUSIVE TO MX

100% COMPATIBLE LOADERS AND FRONT LINKAGES - AN EXCLUSIVE MX CONCEPT



SHARED COMPONENTS: A VERY ECONOMICAL SOLUTION

The chassis side brackets, hydraulic control valve and shock absorber* are all shared between the MX loader and MX front linkage.

With the MX loader/MX front linkage combination, the loader bracket substitutes for the linkage chassis.

*SHOCK ELIMINATOR

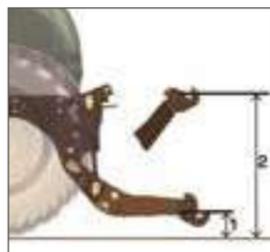


*Using MX R20 front linkage

FRONT LINKAGES CHARACTERISTICS



FRONT LINKAGE CATEGORY	IN - I		IN#		1 to 2		1 - short arms		2 - short arms		1 to 2 - short arms adjustable		2	
	at couplers* (kg)	500		800		1200		1600		1000		1600		2000 2800 3800 5300
LIFT CAPACITY	300		550		950		1050		770		1050		1120 1800 3300 4800	
THEORETICAL SPACING OF LIFT ARMS between ball ends (mm)	365 to 715	405	365 to 715	405	665 to 895	683	825	683 to 825	825					
HEIGHT OF LINKAGE ARM from the ground*	in lowest position (mm) (1)		< 200		< 300		< 300		< 200					
	in highest position (mm) (2)		> 600		< 750		< 750		> 850		> 900		> 950	
COUPLERS	Cat. I	-	Cat. I	-	auto. Cat 1 and 2				auto. Cat 3 S					
BALL ENDS	Int: Cat. I	-	Int: Cat. I	-	Cat. 2				Cat 3 / 2 (D=64mm / d=28.4 mm)					
TOP LINK / LENGTH (mm)	Cat 1 / 345 - 500				Cat 2 / 460 to 680				Cat 2 / 460 to 680					
POWER TAKE-OFF (PTO)**	maximum PTO power (hp)	depends on tractor**			150	not compatible				150				
	front PTO shaft speed (rpm)	depends on tractor**			1000	not compatible				1000				
	direction of rotation (from cab seat)	depends on tractor**			clock-wise	not compatible				clockwise				
	PTO shaft profile (DIN 9611)	1" 3/8" - 6 splines			1" 3/8" - 6 splines	not compatible				1" 3/8" - 6 splines				



*The values provided are indicative, and will vary according to the tractor's specifications.
 Δ Use of blade: do not exceed 1.50 m in width
 Δ For total protection, use a torque limiter on the implement, set to the tractor's maximum torque (manufacturer's data).
 ** This option is available depending on the tractor/front linkage compatibility - # CAT 1N as standard, CAT 1 arm kit as an option.

GREATER EFFICIENCY, MORE COMFORT AND INCREASED SAFETY WITH MX EQUIPMENT

SHOCK Eliminator SYSTEM



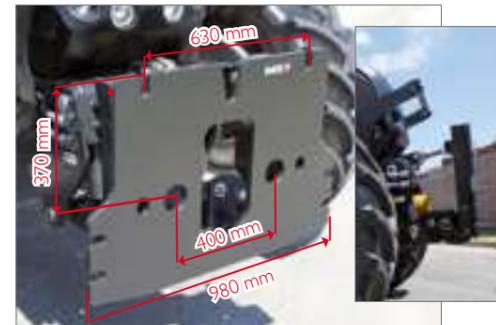
SHOCK ABSORBER

Reduces the shocks and bounce caused when driving the tractor and handling heavy implements.



AUXILIARY HYDRAULIC LINE

Integrated into the linkage frame, they are used to power implements requiring one to two hydraulic lines onto the tractor's original control valve or the MX control valve and connect a 7-pin electric cable with just a single manipulation.



FRONT PLATE

The plate mounts in place of the arms to ensure optimal compactness and perfect stiffness of the linkage when hitching winter or road maintenance equipment. Complies with standard EN 15432-1 2011.



TRIANGULAR WEIGHT FRAME

You keep the tractor's original weights and weight-carrier and your MX weight-carriers.



POWER TAKE-OFF

Power up to 150 hp. Smooth engagement via an oil immersed multiplate clutch. Soft gradual engaging. Self-lubricated unit with own circuit.



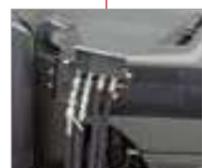
GREATER EFFICIENCY WITH FRONT POWER TAKE-OFF WITH TRANSMISSION SHAFT**

Your MX front power take-off has an output shaft linked directly to the tractor's central power take-off. You can also connect all types of powered implements such as a front mower.

CONTROLS SUITED TO YOUR NEEDS AND EQUIPMENT

LINKAGE CONTROL... TRACTOR EQUIPPED WITH AN MX LOADER

Hydraulic connection of the MX front linkage



On the Mach System of the MX loader



On the MX loader control valve

OR

LINKAGE CONTROL... TRACTOR NOT EQUIPPED WITH AN MX LOADER

Hydraulic connection of the MX front linkage

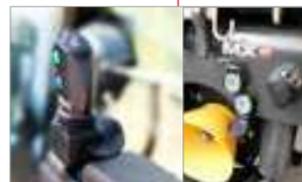
On the tractor's original control valve



On an MX hydraulic control valve, with Double Acting + maintained float position



Tractor's original control



Control by MX monolever:

- by cable, with auxiliary hydraulic line included
 - electric, with auxiliary hydraulic line and external controls included
- = Ergonomic control (cross lever)
= Complete and adapted control



Control by MX loader monolever:

- Quick fitting
- Integrated ergonomic controls
- Economical control (Shock Eliminator shared by loader/linkage)
- Option of mounting an auxiliary hydraulic line

ADDITIONAL CONTROLS

THREE-FUNCTION SELECTOR

This option lets you select the linkage operating mode:

- "Double Acting" for heavy work (dozer blade, front tiller etc.)
- "Single Acting" for precise control (mower, implements with depth wheel, etc.)
- Locking the linkage



EXTERNAL LINKAGE CONTROL

For effortless hitching and control of the linkage lower arms. Only available with electro-hydraulic control valve (MX or original tractor).

According to MX recommendations



WELL-DESIGNED,
VERSATILE,
MODULAR
WEIGHTS



SECURE PROGRESSIVE BALLAST SYSTEM

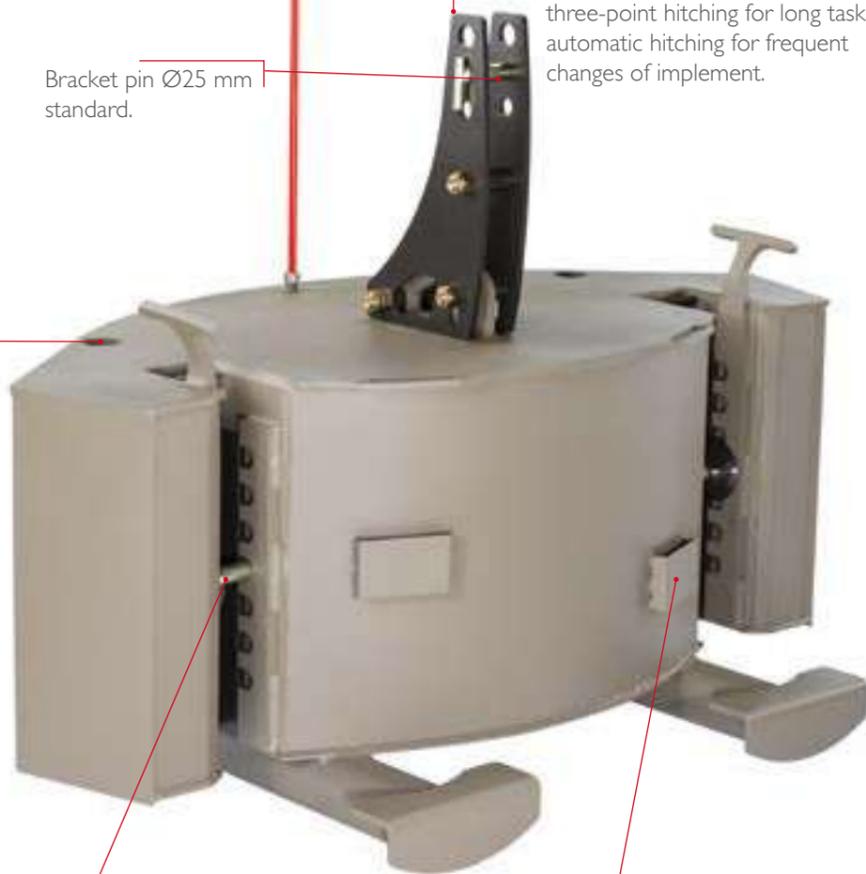
Option of adding one to two additional weights of 400 kg to the primary weight using a pin and cone system with secure locking. Parking supports come as standard for securing the hitching/unhitching of the additional weight.

UNIQUE 7-POSITION HEIGHT ADJUSTMENT

Simple tool-free adjustment over 30 cm. Compatible with category 2, 3 and 4 linkages with lower pins Ø28 mm as standard (without coupling balls).



Bracket pin Ø25 mm standard.



3-POINT AND AUTOMATIC HITCHING (STANDARD)

Choice of fixing method depends on the work to be carried out: three-point hitching for long tasks, automatic hitching for frequent changes of implement.



EXCLUSIVE TO MX

MUCH MORE THAN A WEIGHT!

MULTIMASS Concept is equipped with clever and unique storage, making farmers' lives easier:

- two holes for carrying handle tools (up to Ø53 mm)
- drum support for cable, rope, chain or hose
- two chainsaw supports, small and large size

See also the MULTIBOX option.



All MULTIMASS have a steel fabricated structure with **yoke hitching points** for high impact resistance and durability.



COMFORT ON THE ROAD

The red composite indicator rod as standard helps assess the size of the weight and the distances. It is also useful as a tracking sight when sowing.



COLOURS TO COMPLIMENT THE TRACTOR CHASSIS

MULTIMASS is available as standard in **MX titanium grey**. To match your tractor, they are also available on request in **green, grey and black**.



INTEGRAL TOWING CLEVIS

at optimal height for horizontal towing, while maintaining good ground clearance. Ø30 mm pin supplied as standard with safety clip. Not designed for towing a trailer



LARGE MULTIBOX STORAGE SPACE

INSTANT HITCHING-UNHITCHING

The MULTIBOX attaches in one go to the primary or additional weight using its grip handles and a simple fixing system. With this storage box, your tools no longer clutter the tractor cab.

OUTSTANDING LOAD VOLUME

With a **capacity of 168l**, the MULTIBOX can hold a multitude of implements or consumables: toolbox, grease pump, pins, coupling balls, chainsaws, cans, rope spools, etc.



WEIGHTS & MULTIMASS SPECIFICATIONS



Weights M250 / M400 MULTIMASS 600 MULTIMASS 900 MULTIMASS 1200 MULTIMASS 1500 MULTIMASS 400 AD* MULTIBOX

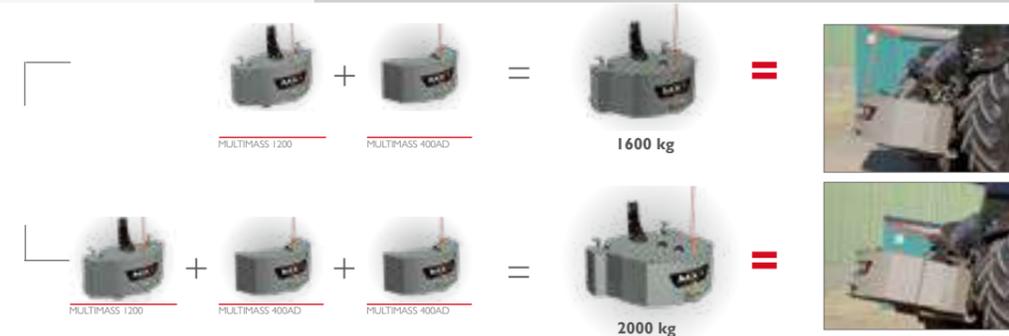
CAPACITY	250 kg	400 kg	600 kg	900 kg	1200 kg	1500 kg	400 kg	168L
WIDTH (W)	570 mm	675 mm	1200 mm	1200 mm	1400 mm	1400 mm	1200 mm	1200 mm
HEIGHT (H)	340 mm	420 mm	500 mm	500 mm	500 mm	500 mm	500 mm	400 mm
DEPTH (D)	460 mm	475 mm	585 mm	585 mm	675 mm	800 mm	+ 270 mm	+ 380 mm
OVERHANG (F)	190 mm	210 mm	385 mm	385 mm	475 mm	600 mm		
HITCHING TYPE	-	-	3 pts and automatic					
CATEGORY HITCHING	cat 1	cat 1 and 2	cat 2 to 4					

*Additional weights compatible with MULTIMASS 600/900/1200/1500.

TAILOR-MADE MULTIPURPOSE WEIGHT

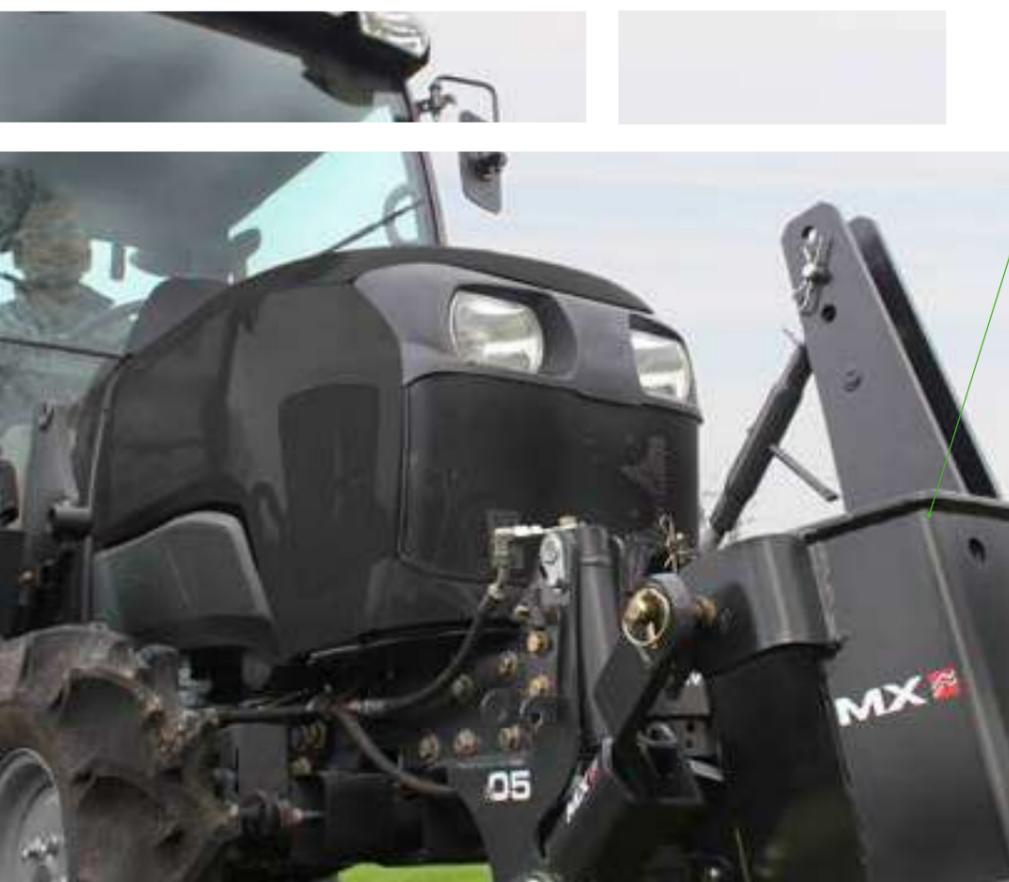


4 MODELS, 12 POSSIBLE CONFIGURATIONS:
MAKE UP YOUR WEIGHT AS REQUIRED,
FROM 600 TO 2,300 KG



MX COMPACT WEIGHTS INTEGRATED WITH LINKAGES

With their category 1 and 2 hitching points, the 250 and 400 kg weights integrate fully with your front (or rear) linkage. Simple and effective, they are easy to stand on their flat base.



agricultural

implements

BUCKETS



GENERAL PURPOSE BUCKET [page 74](#)
GENERAL PURPOSE BUCKET - economy [page 74](#)
EARTH BUCKET [page 75](#)



HIGH CAPACITY BUCKET High [page 75](#)
HIGH CAPACITY BUCKET Heavy Duty [page 75](#)
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SILAGE BUCKET [page 76](#)
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GRAB IMPLEMENTS



MANURE FORK Heavy Duty [page 77](#)
MANURE FORK [page 77](#)
MANURE FORK for light work [page 77](#)



MULTIPURPOSE BUCKET Heavy Duty [page 78](#)
MULTIPURPOSE BUCKET High [page 78](#)
MULTIPURPOSE BUCKET Medium [page 78](#)
MULTIPURPOSE BUCKET for light work [page 79](#)



COMBINATION GRAB Heavy Duty [page 80](#)
COMBINATION GRAB [page 80](#)
COMBINATION GRAB for light work [page 80](#)

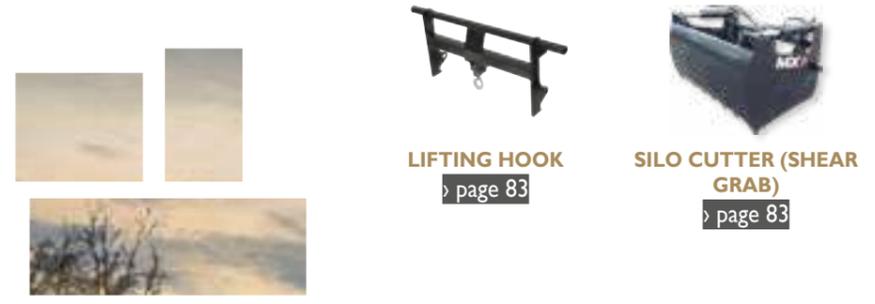
SPECIFIC IMPLEMENTS



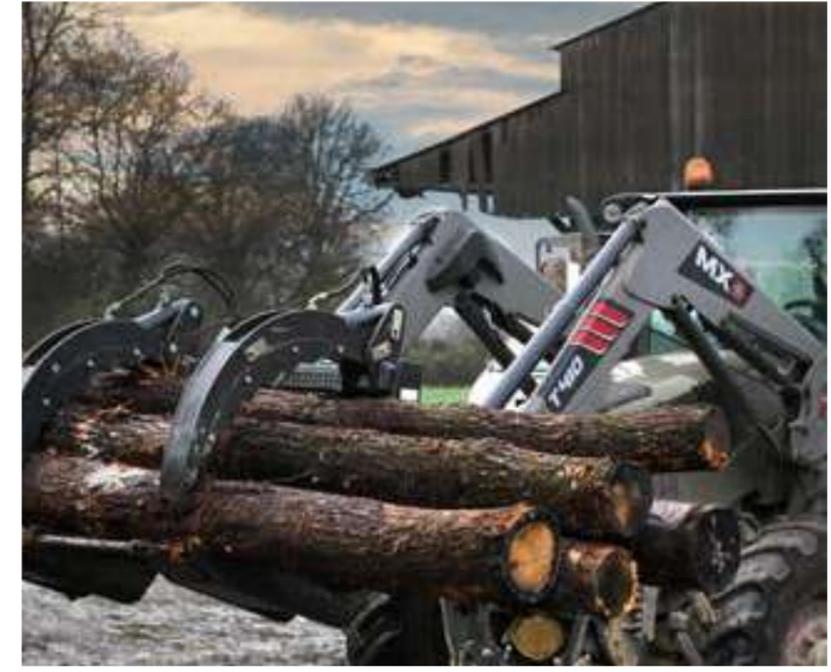
PALLET FORK AND CARRIER [page 81](#)
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SUGAR CANE GRAB [page 82](#)
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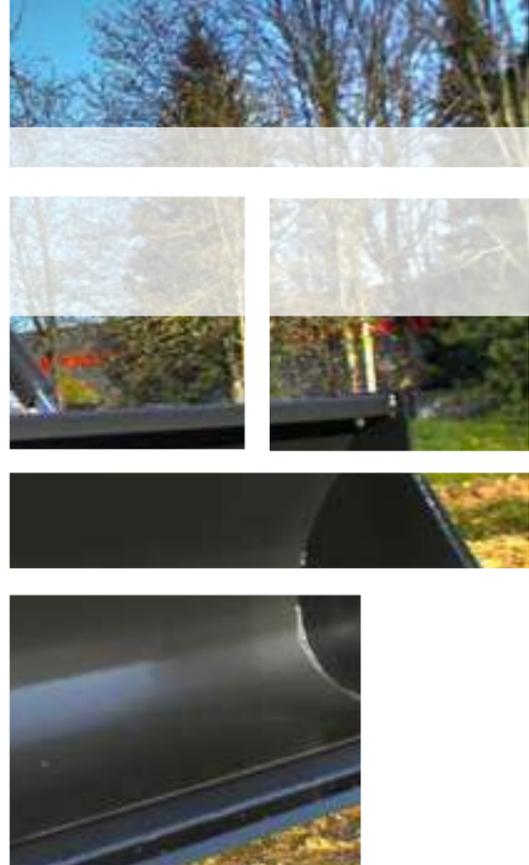


LIFTING HOOK [page 83](#)
SILO CUTTER (SHEAR GRAB) [page 83](#)





BUCKETS



GENERAL PURPOSE BUCKET

MAXIMUM LONGEVITY

This versatile bucket, based on an earth bucket, has a cylindrical back plate to improve filling. The wear blade (150x16 mm, hardness 400 HB) and the heavy section tube in the upper part can handle a wide range of tasks, as they can be used equally well for loading gravel, cereals or fertilisers, for example. Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				
BR 180	605	785	266	1800	830	764
BR 200	675	875	284	2000	830	764
BR 225	760	985	305	2250	830	764
BR 245	825	1070	322	2450	830	764



GENERAL PURPOSE BUCKET - economy

EFFICIENT VALUE FOR MONEY

This cost-effective bucket can meet your everyday and non-intensive needs perfectly. With its wear blade (150x16mm, hardness 300 HB) and its cylindrical back for optimal filling, it guarantees efficient working.

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				
BRU 150	470	625	175	1510	760	755
BRU 180	565	750	196	1810	760	755
BRU 200	630	840	208	2010	760	755
BRU 225	708	945	212	2260	760	755



EARTH BUCKET

STRENGTH TO WITHSTAND THE HARSHTEST TEST

The rounded back-plate of the MX earth bucket means the implement can be fully loaded by rolling the material. The absence of internal strengthening makes for easy loading/unloading of all types of high-density materials, bulk or in individual pieces. The original wear blade (150x16mm, hardness 300 HB) is designed to be fitted with bolt-on teeth or a bolt-on counter-blade as options.

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth (option)
	actual	usable					
BT 130	345	450	183	1300	680	660	5
BT 150	400	515	200	1500	680	660	6
BT 180	480	625	230	1800	680	660	7
BT 200	535	695	245	2000	680	660	7
BT 225	600	780	265	2250	680	660	8
BT 245	653	850	278	2450	680	660	8



HIGH CAPACITY BUCKET High

INCREASED PRODUCTIVITY

With its very large volume and its profile that delivers exceptional crowding, the high-capacity High bucket is the ideal implement for loading cereals and other low-density products.

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				
BC 180H	990	1300	315	1800	980	815
BC 200H	1100	1450	335	2000	980	815
BC 220H	1200	1600	355	2200	980	815
BC 250H	1370	1825	390	2500	980	815



HIGH CAPACITY BUCKET Heavy Duty

HIGH-YIELD IMPLEMENT

Intended for high-power loaders (MX T417 and T418), the Heavy-Duty high capacity bucket offers a very large load volume for low density materials. The retainer cap, fitted as standard, ensures there is no loss of materials during jolting at crowding stops and therefore guarantees the optimum filling of the implement. Its wearing counter blade (hardness 450 HB) is bolted and reversible. It is also offered as standard and provides optimal, cost-effective protection.

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				
BC 210HD	1580	2055	580	2100	1335	1055
BC 230HD	1730	2250	620	2300	1335	1055
BC 245HD	1840	2395	650	2450	1335	1055



MX exclusive: 3-sector counter blade for left/right inversion

MULTI-PURPOSE HIGH-TIP BUCKET

FOR LOADING HIGH TRAILERS

Its shape and features are specially designed for loading cereal trailers up to four metres high. The forward pivot point of the bucket enables users to safely load the middle of the vehicle. Positioned on the side of the bucket, the rams and pivot points are protected, whilst maintaining the maximum interior volume of the bucket.

Integrated Euro or MX Master-Attach hitching.



	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				

BRDS 180	1000	1300	470	1800	930	835
BRDS 210	1200	1550	510	2100	930	835
BRDS 250	1370	1800	570	2500	930	835

Hydraulics necessary: 1 function
Options: SPEED-LINK or MACH 2 NS plug

SILAGE BUCKET

CREATING A CLEAN FACE ON YOUR SILO

Based on the cereals bucket and feeding bucket, this implement enables clean work at the silo clamp and efficient loading of a feeder wagon. It is fitted with fixed silage tines as standard.

Integrated Euro or MX Master-Attach hitching. (Maize silage only)



	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	Opening (mm)	No. of teeth
	actual	usable						

BCDA 210 + tines	1050	1400	450	2120	1010	800	960	8
BCDA 210 + grab	1050	1400	490	2120	1010	800	1300	10
BCDA 210 + rotor	1050	1400	580	2120	1010	800	1200	-

Hydraulics necessary: 1 function
Options: SPEED-LINK or MACH 2 NS plug

4-IN-1 BUCKET

SUITABLE FOR GROUND WORKS

This bucket is a genuinely versatile implement, capable of performing all types of jobs: landscaping, loading, snow clearance. With its "box-section" jaw, its single front blade and its rear counter blade as standard, it can be used as a grab bucket, a levelling blade or even a bulldozer blade – no need to change accessories.

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				

BQU 150	320	420	370	1530	730	860
BQU 180	385	500	415	1830	730	860
BQU 210	450	585	470	2130	730	860

Hydraulics necessary: 1 function
Options: SPEED-LINK or MACH 2 NS plug



GRAB IMPLEMENTS



MANURE FORK Heavy Duty

IDEAL FOR HANDLING MANURE AND OR AS A GRASS FORM

- Flat bottom with apertures for excellent visibility of tines and material from the driver's seat.
- Round tines Ø45x1000 mm

Integrated Euro or MX Master-Attach hitching.

	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BF 210 HD	450	2,15	800	930	9
BF 230 HD	467	2,35	800	930	10
BF 245 HD	500	2,50	800	930	11



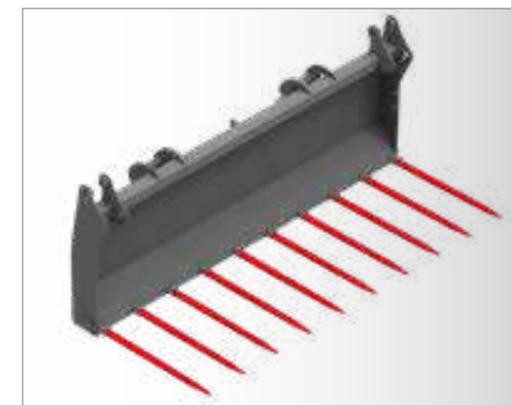
MANURE FORK

MANURE EFFICIENCY

- Flat back, fork to which a grab can be fitted (Parts order)
- Round tines Ø35 mm x 860 mm

Integrated Euro or MX Master-Attach hitching.

	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BF 120	135	1200	810	640	6
BF 135	154	1350	810	640	7
BF 155	167	1550	810	640	8
BF 175	185	1800	810	640	9
BF 205	205	2050	810	640	10
BF 225	220	2250	810	640	11



MANURE FORK - economy

SIMPLE AND COST EFFECTIVE

With its flat base and its D35x860 mm tines, this manure fork will meet all your simple handling requirements.

Integrated Euro or MX Master-Attach hitching.

	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BFU 120	100	1220	747	700	6
BFU 140	115	1420	747	700	7
BFU 160	130	1620	747	700	8
BFU 180	145	1820	747	700	9



MULTIPURPOSE BUCKET *High*

VERSATILE BY DEFINITION

This high-capacity Multipurpose Bucket has been entirely redesigned to offer greater stability and curved back without the need for interior supports, making it easy to clean and preventing material from sticking. The heavy section square tube in the upper section strengthens the bucket. The grab benefits from closely spaced tines (30 mm) and powerful rams, which are well protected. These are suitably protected. Side cover plates (optional) enable the load volume to be increased and ensure that materials are not lost over the side.

Integrated Euro or MX Master-Attach hitching.

	Heaped capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BMS 180H	1050	399	1800	785	705	9+2
BMS 200H	1160	423	2000	785	705	10+2
BMS 225H	1305	466	2250	785	705	11+2
BMS 245H	1420	488	2450	785	705	12+2

Hydraulics necessary: 1 function
Options: SPEED-LINK or MACH 2 NS plug – Welded wearing counter-blade (150x16 mm – 400HB) – Side plates

MULTIPURPOSE BUCKET *Heavy Duty*

HIGH-YIELD FLEXIBLE IMPLEMENT

Intended for high-power loaders (MXT417 and T418), the Heavy-Duty Multipurpose Bucket is extremely robust. Its grab is supplied with a choice of T-profile reinforced steel tines (HDT) OR Ø35 mm round forged tines (HDO). The retainer cap and the side cover plates, offered as standard, guarantee the optimum filling of the implement. The counter wearblade (hardness 450 HB), bolted and reversible, provides optimal and cost-effective protection for the implement.

Integrated Euro or MX Master-Attach hitching.

	Heaped capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BMS 210HDT	1410	705	2100	910	785	9
BMS 210HDO	1410	717	2100	910	785	10+4
BMS 230HDT	1550	740	2300	910	785	9
BMS 230HDO	1550	759	2300	910	785	11+4
BMS 245HDT	1655	765	2450	910	785	9
BMS 245HDO	1655	791	2450	910 <td 785	12+4	

Hydraulics necessary: 1 function
Options: MACH 2 NS plug

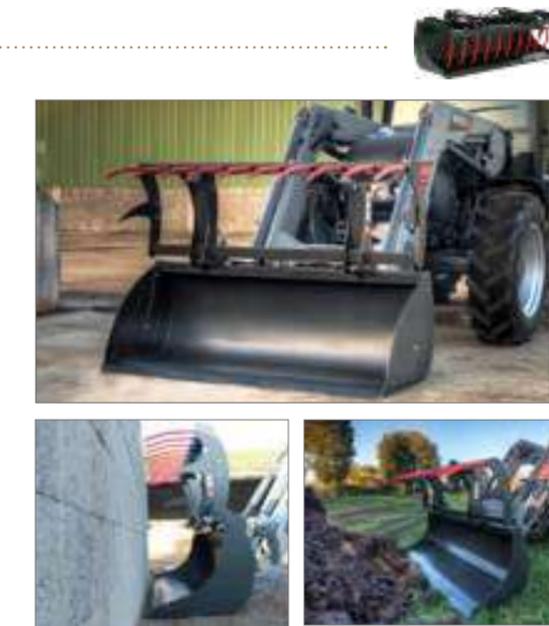
MULTIPURPOSE BUCKET *Medium*

FLEXIBLE IMPLEMENT SUITABLE FOR TRACTORS UNDER 100 HP

With its grab with detachable round tines (Ø28 mm), the Medium Multi-purpose Bucket is perfect for manure and for corn or grass silage. Designed for low power tractors, it is fitted as standard with an original wearblade 150 x 16 mm with a hardness of 300 HB.

- Integrated Master-Attach MX, Euro or Fauchaux blanc hitching.

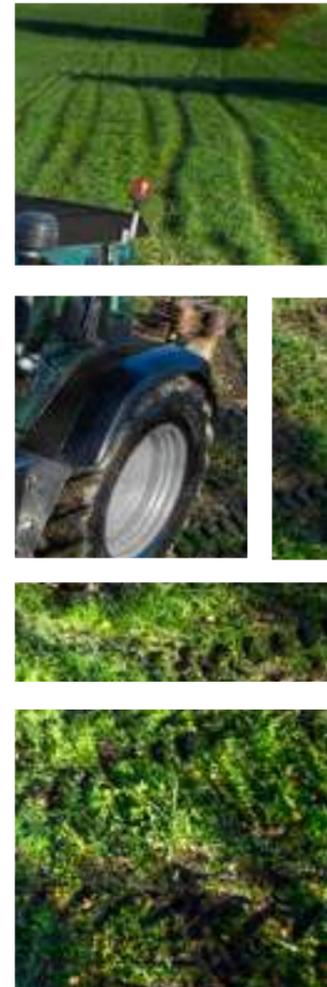
	Heaped capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BMS 120M	560	215	1200	605	643	5+2
BMS 135M	625	230	1350	605	643	6+2
BMS 155M	725	246	1550	605	643	7+2
BMS 175M	820	262	1750	605	643	8+2
BMS 205M	965	318	2050	605	643	9+2
BMS 225M	990	323	2250	605	643	9+2



MX exclusive: 3-sector counter blade for left/right inversion



Hydraulics necessary: 1 function
Options: MACH 2 NS plug – side cover plate kit



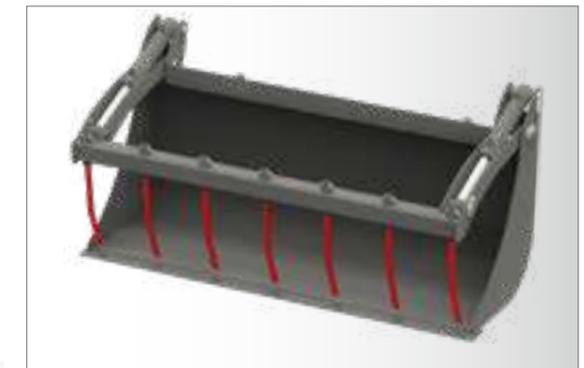
MULTIPURPOSE BUCKET - *economy*

VERSATILITY APPLIED TO OCCASIONAL TASKS

- Wear blade 100 x 12 mm, hardness 275 HB
- Grab tines Ø25 mm
- Curved back

Integrated Euro or MX Master-Attach hitching.

	Heaped capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
BMS 155U	720	195	1550	630	620	6
BMS 175U	815	210	1750	630	620	7
BMS 205U	960	250	2050	630	620	8



Hydraulics necessary: 1 function
Options: MACH 2 NS plug – side cover plate kit



COMBI-GRAB Heavy Duty

HIGH PRODUCTIVITY FOR LOADING MANURE

Only for T417/T418 loaders. Fork: cross-shaped and mobile tines Ø45 x 1,000 mm
Integrated Euro or MX Master-Attach hitching.

	Capacity (l)	Weight (kg)	Width (m)	Depth (mm)	Height (mm)	Fork tines (mm)	Grab tines (mm)
CG 210HDT	1547	676	2.15	870	1020	9	9 thickness 15 mm 10 front Ø35 4 side Ø30
CG 210HDO	1547	690	2.15	870	1020	9	9 thickness 15 mm 11 front Ø35 4 side Ø30
CG 230HDT	1694	700	2.35	870	1020	10	9 thickness 15 mm 11 front Ø35 4 side Ø30
CG 230HDO	1694	718	2.35	870	1020	10	9 thickness 15 mm 12 front Ø35 4 side Ø30
CG 245HDT	1803	735	2.50	870	1020	11	9 thickness 15 mm 12 front Ø35 4 side Ø30
CG 245HDO	1803	760	2.50	870	1020	11	9 thickness 15 mm 12 front Ø35 4 side Ø30



HDT = reinforced steel tines



HDO = forged round tines

Hydraulics necessary:
1 function
Optional: MACH 2 NS plug - Cap

COMBI-GRAB

PERFECTLY SUITED TO CORN, GRASS SILAGE AND MANURE

- Fork: round tines Ø35 mm x 860 mm + side tines
- Grab: front tines Ø28 mm + side tines

Integrated Euro or MX Master-Attach hitching.

	Capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth	
						Combined (front + side)	Grab (front + side)
CG 120	595	225	1220	810	640	6 + 2	7 + 2
CG 135	670	248	1350	810	640	7 + 2	8 + 2
CG 155	770	268	1550	810	640	8 + 2	9 + 2
CG 175	875	302	1750	810	640	9 + 2	10 + 2
CG 205	1030	330	2050	810	640	10 + 2	11 + 2
CG 225	1160	354	2250	810	640	11 + 2	12 + 2

Hydraulics necessary: 1 function
Optional: SPEED-LINK or MACH 2 NS plug

COMBI-GRAB - economy

IDEAL FOR EVERYDAY HANDLING

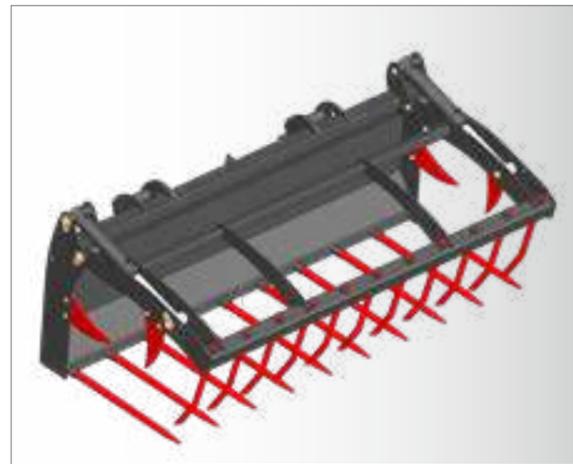
Its flat manure fork base has a grab to increase productivity and provide cost-effective performance.

- Fork: round tines Ø35 mm x 860 mm + side tines
- Grab: front tines Ø28 mm + side tines

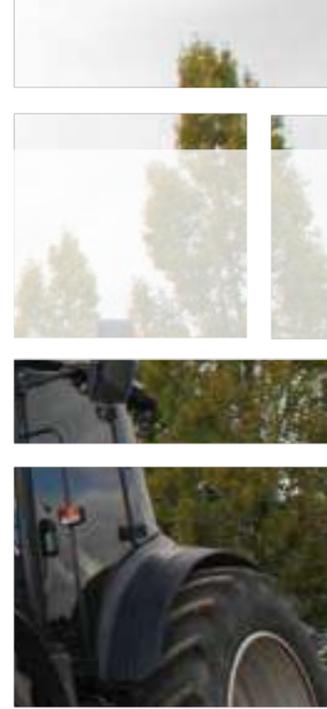
Integrated Euro or MX Master-Attach hitching.

	Capacity (l)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
CGU 120	515	170	1220	747	700	6
CGU 140	600	195	1420	747	700	7
CGU 160	685	215	1620	747	700	8
CGU 180	765	240	1820	747	700	9
CGU 200	850	265	2020	747	700	10

Hydraulics necessary: 1 function
Optional: MACH 2 NS plug



SPECIFIC IMPLEMENTS



PALLET FORK AND CARRIER

SECURITY FOR LOADING PALLETS

- FEM 2A approved forks – recommended parallelogram
- Adjustable fork spacing *
- Loading backplate as standard

Integrated Euro or MX Master-Attach hitching.

	Fork dimensions (mm)	Width (mm)	Height (mm)	Payload capacity** (kg)	Weight (kg)
TR 1650	80 x 40 x 1000	1245	780	1650	140
TR 2500	100 x 45 x 1200	1245	780	2500	180

* Min. spacing: 104 mm – max: 1085 mm
** Capacity given at 600 mm in front of the forks



Lift/dump safety kit required

PALLET FORK AND CARRIER - economy

SECURITY FOR LOADING PALLETS

- FEM 2A approved forks – recommended parallelogram
- Adjustable fork spacing *
- Loading backplate as standard

Integrated Euro or MX Master-Attach hitching.

	Fork dimensions (mm)	Width (mm)	Height (mm)	Payload capacity** (kg)	Weight (kg)
TRU 1200	80 x 40 x 1000	1245	780	1200	110

* Min. spacing: 104 mm – max: 1085 mm
** Capacity given at 600 mm in front of the forks



Lift/dump safety kit required

LOG GRAB

INTENDED FOR FORESTRY WORK.

- Capacity of 2,000 kg
- Integrated Euro or MX Master-Attach hitching.

	Capacity (kg)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
PG 2000	2000	400	1230	840	400 - 1400



Hydraulics necessary: 1 function
Optional: MACH 2 NS plug

SUGAR CANE GRAB

QUICK AND CLEAN COLLECTION

- Capacity of 500 kg.
- Integrated Euro or MX Master-Attach hitching.
- Not available with SPEED-LINK

	Capacity (kg)	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
PCS 500	500	384	1100	1143 - 1346	120 - 1400



Hydraulics necessary: 1 function
Optional: MACH 2 NS plug

STONE/ROCK BUCKET

FOR PICKING UP STONES OF ALL SIZES AND PREPARING THE GROUND

- Spacing: 80 mm between tines (Ø30 mm)
- The ends of the tines each have 400 HB welded teeth
- Integrated Euro or MX Master-Attach hitching.

	Capacity (l)		Weight (kg)	Width (mm)	Depth (mm)	Height (mm)
	actual	usable				
BP 170	540	720	280	1700	970	700
BP 200	636	846	330	2000	970	700
BP 250	795	1058	500	2500	970	700



SHEAR GRAB

FOR A CLEAN SILO CUT AND EASY LOADING OF MAIZE OR GRASS

- Keeps silage clean and avoids air contamination
- Perfectly suited for corn and grass silage

Integrated Euro or MX Master-Attach hitching.

	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	No. of teeth
SG 120	498	1200	1007	765	9
SG 150	532	1500	1007	765	11
SG 180	617	1800	1007	765	12

Hydraulics necessary: 1 function
Optional: MACH 2 NS plug



HOISTING HOOK

FOR SAFE HANDLING

- Payload capacity of 2,500 kg.
- Weight: 130 kg.

Integrated MX Master-Attach hitching



Lift/dump safety kit required

BAG HOIST

SIMPLE AND ROBUST, FOR LIFTING BIG BAGS AND UNITARY LOADS.

- Payload capacity of 1,000 kg.
- Weight: 143 kg.

Bolt-on Master-Attach MX or Euro hitching



Lift/dump safety kit required

silage

buckets



BD
fixed tines



BD
hydraulic grab



BD
mobile rotor

DIRECT FROM THE SILO TO THE FEEDING AREA: ESSENTIAL EQUIPMENT FOR FEEDING YOUR LIVESTOCK



AGITATORS
The feed agitators are mechanically driven by the auger screw. They break up any air pockets that might be created during distribution.



Grass



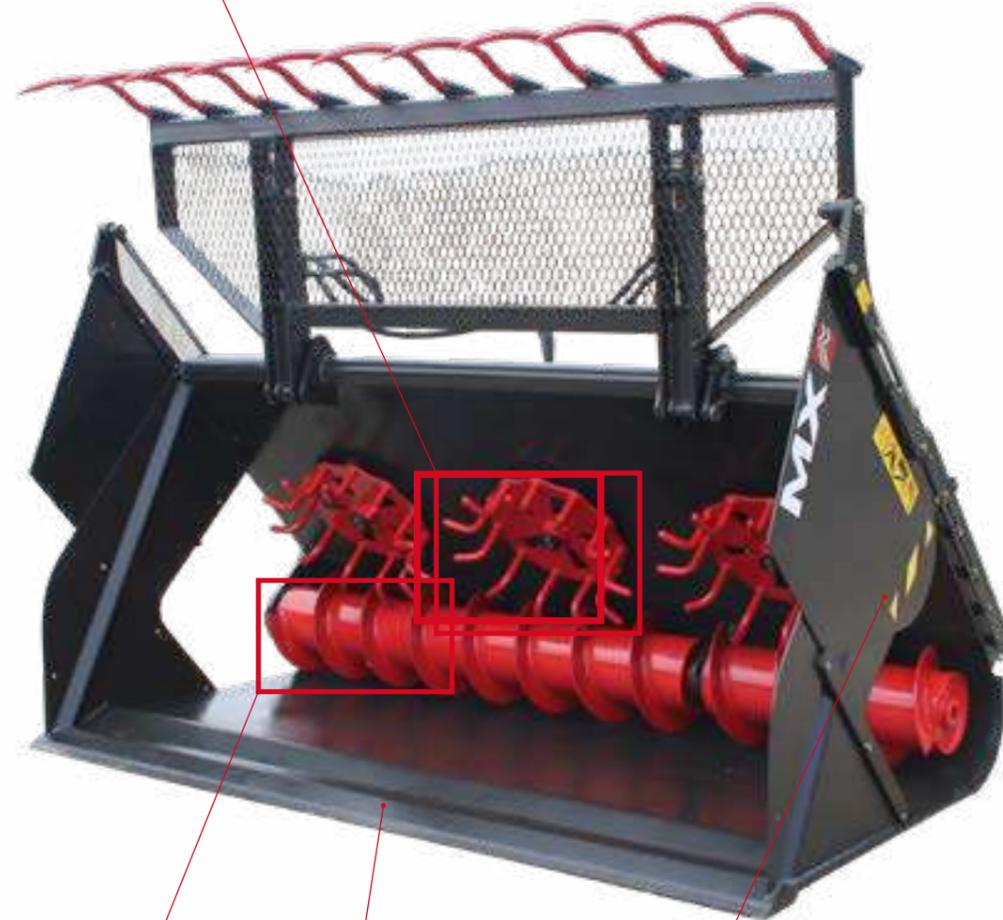
Maize



Beets

MAXIMUM VERSATILITY TO SATISFY ALL YOUR REQUIREMENTS

Specifically designed for silage work, handling and feeding all types of forage or different feedstuffs, the MX silage buckets work just as well with maize as with grass, fodder beet, potatoes, pulp or meal or other concentrates, etc.



PATENTED MX

A TOTALLY SEALED BUCKET DURING OPERATIONS

With the feed door fully closed, the automatic open/close mechanism guarantees spillage-free filling and transportation. The feed door and auger screw are sequenced, thus only one hydraulic service is required. The opening of the feed door can be adjusted with a mechanical stop to control feed distribution.

SINGLE DOOR OR TWIN DOOR

A SOLUTION FOR EACH BUILDING CONFIGURATION

Some buildings require the distribution of feed to the left and the right. When specifying the twin door feeding bucket, this avoids the need for delicate manoeuvres within a working environment that is often quite confined. Just reverse the control lever position from the driver's cab to change the distribution side. A unique time lag system ensures that one door is fully closed before the opposite door starts to open. Thus the user is safe in the knowledge that both doors are fully closed outside of feeding operations.



Single door



Twin door (priority to the right)



Twin door (priority to the left)



HIGH DISTRIBUTION SPEED

MX silage buckets are fitted with a high-performance gear motor as standard, which greatly increases the distribution speed for feed and enables intensive use.



EVEN, REGULAR AND CONTROLLED DISTRIBUTION

The feed screw ensures fast and clean distribution. The ertalon bearing assembly (anti-wear, maintenance-free), equipped with play adjustment, guarantees long life.



WEAR BLADE

A thick, hardwearing front blade ensures maximum rigidity and durability of your MX silage bucket.

FEEDING BUCKETS PERFORMANCE

	BD 1202	BD 1402	BD 2002	BD 2402	BD 3102
RECOMMENDATION					
FEEDING DOOR:					
single	✓	✓	✓	✓	✓
twin	✗	✓	✓	✓	✓
SPECIFICATIONS:					
Width inside (mm)	2110	2440	2440	2440	2440
Width overall (mm)	2150	2480	2480	2480	2480
Height (mm)	835	835	945	1065	1290
Depth (mm)	980	980	1140	1300	1530
Actual capacity (l)	900	1040	1500	1800	2300
Heaped capacity (l)	1200	1400	2000	2400	3100
Weight empty, without option (kg)	510	565	680	705	800
SILAGE KIT:					
- FIXED TINES (number of tines)*	8	9	9	9	9
- HYDRAULIC SILAGE GRAB**:					
opening (m)	1.27	1.27	1.50	1.95	1.95
number of tines	10	12	12	11	11
size of tines (mm)	Ø28 x 560	Ø28 x 560	Ø28 x 560	Ø30 x 760	Ø28 x 760
- MOBILE ROTOR* (NUMBER OF CYLINDERS)	1	1	1	2	2
AGITATORS* (number of discs)	3	3	3	3	3
ROTARY ROOT CUTTER*:					
13 blades (beets)	✓	✓	✓	✓	✓
20 blades (potatoes)	✓	✓	✓	✓	✓

*Optional equipment



SPECIFY TO SUIT YOUR NEEDS



FIXED CLAW TINES: COST-EFFECTIVE SILAGE

Without an additional hydraulic function, the tines penetrate the silage. By reversing, the silage falls to the ground. It can then be loaded and distributed. Practical for grass or maize silage.



HYDRAULIC GRAB: VERSATILITY & EFFICIENCY

The grab allows the bucket to be loaded rapidly. In addition, its ideal opening makes the silage bucket highly versatile. It is as effective for grass as it is for maize, and also allows you to handle a bale without detaching the implement.



PATENTED MX

MOBILE ROTOR: FOR A CLEAN CLAMP FACE

The mobile rotor leaves an absolutely clean cut in the silo, down to ground level. The silage, which is harder to cut at the base than at the top of the silo, is also tougher when made with grass than with maize. This is why MX has developed a specific valve to regulate the power prioritising the rotor when it is cutting downwards. The ram pushes in reaction to the resistance from the silage. The speed is self-regulated depending on how difficult it is to mill.



ROTARY ROOT CUTTER#

Made up of a fixed counter-blade and rotary knife, the root cutter slices beets or potatoes with ease, even the small ones. Available in 13 or 20 blades. The mechanism is driven by the auger screw, thus no additional hydraulic service is required. The fitting/removal is instant, with no screws or bolts.



#Only available with single door bucket.



BOLTED HITCHING

With their "bolt-on" bracket design, MX Feeding Buckets can be adapted to fit all makes of material handlers or front-end loaders. The implement brackets can be mounted in an offset position to the left or right to discharge directly above the trough. There is no need for a spout, which could damage silo walls, and no loss of forage between the trough and the silo following distribution.



3-POINT HITCHING

Use your silage bucket on the three rear points or the front linkage. Thanks to a hitching frame that includes a tilt ram, the MX silage buckets can be adapted for use on the three rear points or the MX front linkage.

STANDARD IMPLEMENTS



PALLET FORK AND CARRIER
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EARTH BUCKET
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HIGH CAPACITY BUCKET
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MANUBAL



MANUBAL V40
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MANUBAL V500
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MANUBAL W500
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MANUBAL V400HD
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MANUBAL V5000HD
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Heavy Duty



MANUBAL C40
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MANUBAL U40
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MANUBAL L400HD
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MANUBAL L6000
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Heavy Duty

GRAB/ROTOR IMPLEMENTS



MULTIPURPOSE BUCKET
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COMBI-GRAB
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MANURE FORK
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SILAGE BUCKET
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STANDARD IMPLEMENTS

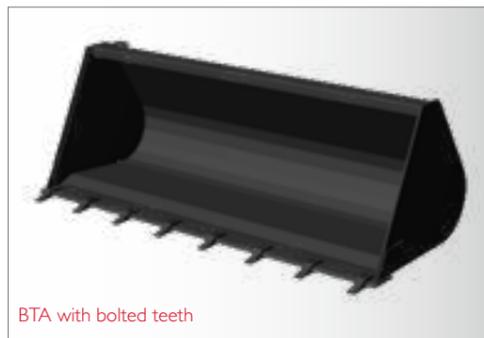
EARTH BUCKET

STRENGTH TO WITHSTAND THE HARSH TEST

Extremely robust, the MX earth bucket is the perfect implement for landscaping or loading with compact, high-density materials. It can be optionally fitted with extremely tough bolted teeth OR a bolted 450 HB reversible counter wearblade (dual bevel).

Welded custom hitching for the telescopic handler loader.

	Capacity (l)	Heaped capacity (l)	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)	No. of teeth
BTA 210 WITH:							
- bolted counter-blade	770	1025	430	2100	785	910	-
- OR bolted teeth			405				7
BTA 230 WITH:							
- bolted counter-blade	845	1125	460	2300	785	910	-
- OR bolted teeth			430				8
BTA 245 WITH:							
- bolted counter-blade	900	1200	480	2450	785	910	-
- OR bolted teeth			450				8
BTA 265 WITH:							
- bolted counter-blade	975	1300	510	2650	785	910	-
- OR bolted teeth			475				9
BTA 280 WITH:							
- bolted counter-blade	1035	1380	530	2800	785	910	-
- OR bolted teeth			495				9



PALLET FORK AND CARRIER

FLEXIBILITY AND VERSATILITY

The TR 3000 has a capacity of three tonnes (at 500 mm in front of the forks). The 100 x 40 x 1200 forks are able to float vertically and in rotation, to follow the ground without catching, and to make unloading easier. They are also width-adjustable. The pallet fork and carrier adapts to the pallet dimensions (max. width 1,400 mm). Bolted hitching.

	Weight (kg)	Width (mm)	Depth (mm)	Height (mm)	Capacity (kg)
TR 3000	295	1500	1200	800	3000



HIGH CAPACITY BUCKET

INCREASED PRODUCTIVITY

Very high capacity, curved with welded hitching positioned to ensure maximum crowding: the MX high capacity bucket is the perfect implement to load cereal or any other low-density product. It is strong and is also fitted with a high-quality reversible bolted wearblade as standard (450 HB).

The high capacity bucket is available in two profiles: MEDIUM (BCA M) and HIGH (BCA H) capacities.

The hitching is factory-welded for minimum overhang.

	Capacity (l)	Heaped capacity (l)	Weight (kg)	Width (mm)	Bucket height (mm)	Bucket depth (mm)
BCA 210M	1580	2055	590	2100	1055	1335
BCA 230M	1730	2250	630	2300	1055	1335
MEDIUM						
BCA 245M	1840	2395	660	2450	1055	1335
BCA 265M	2030	2595	700	2650	1055	1335
BCA 280M	2145	2740	725	2800	1055	1335
BCA 300M	2255	2935	775	3000	1055	1335
HIGH						
BCA 210H	1845	2580	635	2100	1115	1445
BCA 230H	2020	2825	675	2300	1115	1445
BCA 245H	2150	3010	710	2450	1115	1445
BCA 265H	2325	3255	755	2650	1115	1445
BCA 280H	2460	3440	785	2800	1115	1445
BCA 300H	2635	3645	835	3000	1115	1445



CAP RETAINER

This standard cap retains material during crowding stop jerking. There is no loss and filling is optimal.



Fully reinforced protected sides (10 mm thick).

Heavy section upper tube 120 x 60 mm.

Curved back and smooth profile allows easy cleaning.

Bend-resistant casing fold

Sidewall ends reinforced using 400 HB hardness bevel.

HARD-WEARING BACK PLATE

At 8 mm thick and superior quality S355, this implement combines strength with optimal weight.



WELDED CUSTOM HITCHING

Seam-welded on the base and strengthened by plates, the hitching guarantees maximum filling using optimal working angles.



450 HB WEARBLADE

Offered as standard, this reversible bolted wearblade provides optimal, money-saving protection.



MX exclusive: 3-sector counter-blade for left/right inversion.

GRAB IMPLEMENTS



MULTIPURPOSE BUCKET

MANURE, SILAGE, BULK: AN EXTREMELY VERSATILE IMPLEMENT

The perfect combination between a bucket and grab, the multipurpose bucket offers numerous advantages. Its thick base (8 mm) of very high quality (S355 HB) ensures strength to cope with any test. The box-section wearblade and standard reversible bolted wearblade give it unparalleled durability.

The wide opening of the grab, kept clear of the blade, is very easy to use, especially against a wall. The multi-purpose bucket is equipped as standard with side plates. These can be detached, allowing you to change the shape of the bucket to suit the job. Finally, its T-profile torch-cut flat tines provide the rigidity required of such an implement.

The multipurpose bucket is available in two profiles: **MEDIUM (BMSA M)** and **HIGH (BMSA H)** capacities. Each is offered with two types of grab: reinforced T steel tines OR round forged Ø35 mm.

The hitching is factory-welded for minimum overhang.



Hydraulics necessary: 1 function. Couplings supplied.
Optional: Mach 2 NS.



OUTSIZED PIVOT POINTS

All the pins are Ø40 mm with integrated grease nipples and wear bushes for greater durability.

HIGHLY-REINFORCED GRAB

Large oversized square tubing provides unparalleled rigidity for all heavy-duty jobs.

Reinforced T steel tines OR round forged Ø35 mm



Large cross-section upper tube 120x60 mm.

T-shape reinforced steel tines.

Bend-resistant casing fold.

Removable side cover plates as standard.

Sidewall ends reinforced by 400 HB bevelling.

HARD-WEARING BACK PLATE

At 8 mm thick and superior quality S355, this implement combines strength with optimal weight.

WELDED CUSTOM HITCHING

Seam-welded on the base reinforced with plates – hitching guarantees efficient work angles.



450 HB WEARBLADE

Offered as standard, this reversible bolted wearblade provides optimal, money-saving protection.



MX exclusive: 3-sector counter-blade for left/right inversion.

	Capacity (l)	Weight (kg)	Width (mm)	Bucket height (mm)	Bucket depth (mm)	No. of teeth
BMSA 210MT	1410	725	2100	785	910	9
BMSA 210MO	1410	737	2100	785	910	9+4
BMSA 230MT	1550	760	2300	785	910	9
BMSA 230MO	1550	779	2300	785	910	11+4
BMSA 245MT	1655	785	2450	785	910	9
BMSA 245MO	1655	811	2450	785	910	12+4
BMSA 265MT	1795	840	2650	785	910	11
BMSA 265MO	1795	859	2650	785	910	13+4
BMSA 280MT	1900	865	2800	785	910	11
BMSA 280MO	1900	890	2800	785	910	14+4
BMSA 300MT	2040	925	3000	785	910	11
BMSA 300MO	2040	958	3000	785	910	15+4
BMSA 210HT	1755	785	2100	905	1020	9
BMSA 210HO	1755	799	2100	905	1020	9+4
BMSA 230HT	1930	825	2300	905	1020	9
BMSA 230HO	1930	846	2300	905	1020	11+4
BMSA 245HT	2060	850	2450	905	1020	9
BMSA 245HO	2060	878	2450	905	1020	12+4
BMSA 265HT	2235	910	2650	905	1020	11
BMSA 265HO	2235	931	2650	905	1020	13+4
BMSA 280HT	2365	940	2800	905	1020	11
BMSA 280HO	2365	967	2800	905	1020	14+4
BMSA 300HT	2540	990	3000	905	1020	11
BMSA 300HO	2540	1025	3000	905	1020	15+4

MEDIUM

HIGH

COMBINATION GRAB

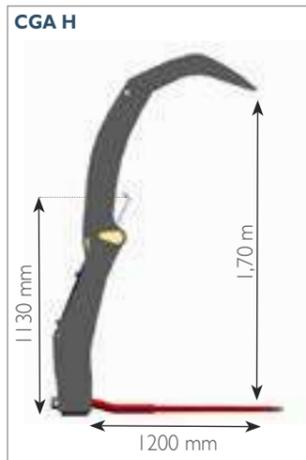
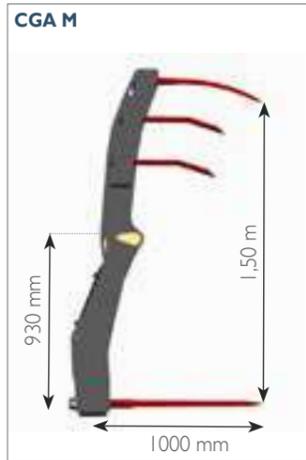


FOR HIGH OUTPUT

The MX combination grab increases productivity, especially when loading manure.

The fork, fitted with heavy section cast iron tines, provides increased wear under the most difficult working conditions. The tines are also curved to protect the back plate of the implement, increasing its durability.

Its grab opens to 90° allowing the implement to be filled to maximum levels. This feature also allows for other uses, such as the occasional handling of rectangular bales.



	Capacity (l)	Weight (kg)	Width (m)	Fork tines (mm)	Grab tines (mm)
MEDIUM					
CGA 210MT	1547	676	2,15	9 - Ø45x1000	9 - thickness 15 mm
CGA 210MO	1547	690	2,15	9 - Ø45x1000	10 front Ø35 4 side Ø30
CGA 230MT	1694	700	2,35	10 - Ø45x1000	9 - thickness 15 mm
CGA 230MO	1694	718	2,35	10 - Ø45x1000	11 front Ø35 4 side Ø30
CGA 245MT	1803	735	2,50	11 - Ø45x1000	9 - thickness 15 mm
CGA 245MO	1803	760	2,50	11 - Ø45x1000	12 front Ø35 4 side Ø30
CGA 265MT	1952	772	2,70	12 - Ø45x1000	11 - thickness 15 mm
CGA 265MO	1952	789	2,70	12 - Ø45x1000	13 front Ø35 4 side Ø30
CGA 280MT	2062	811	2,85	13 - Ø45x1000	11 - thickness 15 mm
CGA 280MO	2062	832	2,85	13 - Ø45x1000	14 front Ø35 4 side Ø30
CGA 300MT	2210	832	3,05	14 - Ø45x1000	11 - thickness 15 mm
CGA 300MO	2210	860	3,05	14 - Ø45x1000	15 front Ø35 4 side Ø30
HIGH					
CGA 210HT	1766	726	2,15	9 - Ø45x1200	9 - thickness 15 mm
CGA 210HO	1766	755	2,15	9 - Ø45x1200	10 front Ø35 4 side Ø30
CGA 230HT	1934	751	2,35	10 - Ø45x1200	9 - thickness 15 mm
CGA 230HO	1934	787	2,35	10 - Ø45x1200	11 front Ø35 4 side Ø30
CGA 245HT	2060	790	2,50	11 - Ø45x1200	9 - thickness 15 mm
CGA 245HO	2060	832	2,50	11 - Ø45x1200	12 front Ø35 4 side Ø30
CGA 265HT	2228	830	2,70	12 - Ø45x1200	11 - thickness 15 mm
CGA 265HO	2228	860	2,70	12 - Ø45x1200	13 front Ø35 4 side Ø30
CGA 280HT	2354	871	2,85	13 - Ø45x1200	11 - thickness 15 mm
CGA 280HO	2354	908	2,85	13 - Ø45x1200	14 front Ø35 4 side Ø30
CGA 300HT	2522	894	3,05	14 - Ø45x1200	11 - thickness 15 mm
CGA 300HO	2522	938	3,05	14 - Ø45x1200	15 front Ø35 4 side Ø30

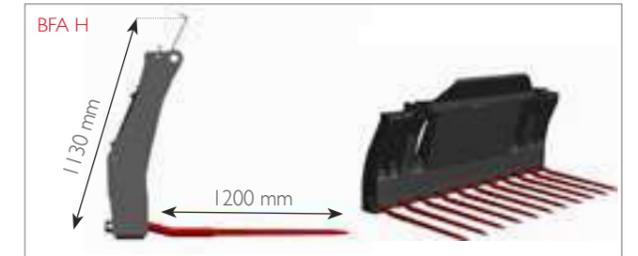
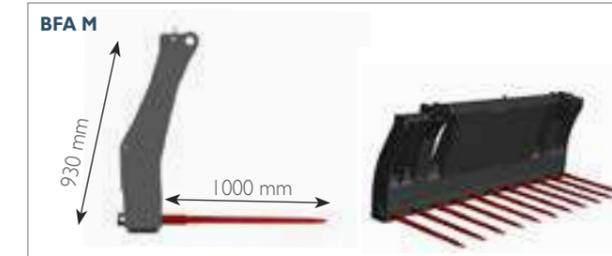
Hydraulics necessary: 1 function. Couplings supplied. Options: Mach 2 NS.

MANURE FORK



MANURE EFFICIENCY

- Flat bottom with apertures for excellent visibility of tines and material from the driver's seat
- Ideal for use with manure and for making grass silo
- Designed to accommodate a grab (Parts order)
- Forged round tines Ø45 with short interaxial spacing between tines 235 mm



	Weight (kg)	Width (m)	Fork tines (mm)
MEDIUM			
BFA 210M	450	2,15	9 - Ø45x1000
BFA 230M	467	2,35	10 - Ø45x1000
BFA 245M	500	2,50	11 - Ø45x1000
BFA 265M	518	2,70	12 - Ø45x1000
BFA 280M	554	2,85	13 - Ø45x1000
BFA 300M	572	3,05	14 - Ø45x1000

	Weight (kg)	Width (m)	Fork tines (mm)
HIGH			
BFA 210H	472	2,15	9 - Ø45x1200
BFA 230H	493	2,35	10 - Ø45x1200
BFA 245H	528	2,50	11 - Ø45x1200
BFA 265H	548	2,70	12 - Ø45x1200
BFA 280H	586	2,85	13 - Ø45x1200
BFA 300H	608	3,05	14 - Ø45x1200

SILAGE BUCKET



FOR A CLEAN SILAGE CLAMP

Based on the cereals bucket and the feeding bucket, this implement provides a clean cut in the silo and the loading of a feed trailer. A patented automatic regulation system controls the rotor lowering speed based on the force caused by the silage. Bolted hitching.

BCDA 210

Capacity (l)	Weight (kg)	Width (mm)	OPTIONS	Weight (kg)	Opening (mm)	No. of teeth
1050	330	2120	Fixed silage tines	58	990	8
1400	330	2120	GBDF 1200 grab*	140	1300	10
			Rotor RR 2400*	210	1200	-

BCDA 240

Capacity (l)	Weight (kg)	Width (mm)	OPTIONS	Weight (kg)	Opening (mm)	No. of teeth
1750	550	2420	Fixed silage tines	65	1200	9
			GBDF 1200 grab*	240	1950	11
			Rotor RR 2400*	250	1800	-

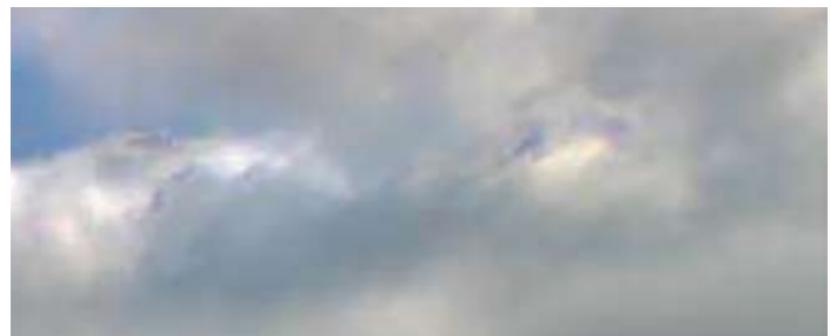


MANUBAL

implements

Heavy Duty

MANUBAL V BALE GRABS



MANUBAL C WRAPPED BALES



MANUBAL L BALE SPIKES

Heavy Duty



MANUBAL V

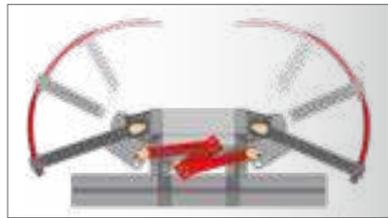
OPTIMUM STACKING TO SUIT YOUR STORAGE METHODS

Whatever the arrangement of your buildings and your stacking options (4, 5 or 6 heights), the MANUBAL V range has the device to suit your needs.

The precision given by the MANUBAL V enables you to build secure, stable stacks with optimum use of storage space.

A SYNCHRONISED GRAB FOR GREATER STABILITY

A synchronisation linkage enables the grab to be opened/closed symmetrically. Bales remain perfectly steady while being placed on a stack. The stack therefore remains stable and the job is kept clean and safe.



OPTIMISED GEOMETRY FOR ALL BALETYPES

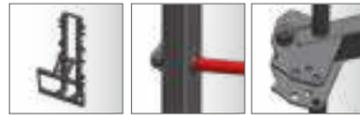
Without compromise, the MANUBAL V range is equally effective for handling both round and rectangular bales. The double linkage enables:

- either an optimum closing angle for gripping round bales (Ø0.90 to Ø1.80m)
- or wide opening for rectangular bales: the tines fully retract, therefore minimising bale damage, kept clear of the mast; the bale is therefore protected.



HEAVY DUTY STRUCTURE FOR GREATER RESISTANCE

With its heavy duty tubular chassis, integrated grip with reinforced tine fixings and bushed pivot point, the MANUBAL V range is ready to work hard and is built to last.



MANUBAL V40

A COMPACT AND VERSATILE DEVICE

Its low overall height and its large grab make the MANUBAL V40 a highly practical implement for gathering and stacking bales. Capable of taking one round bale or two rectangular bales, it can be quickly transformed into a wrapped bale grab using the special optional kit.

FEATURES

- Compact device – overall height: 1.07 m
- 6-tine grab, height: 75 cm
- Euro or MX hitching
- Options: wrapped bale grab kit, two lower tines kit (Ø40 x 950 mm usable length)

Hydraulics necessary: 1 function • Minimum front loader lift height: 3.45m pivot • Equivalent or greater power than the MX U403.



MANUBAL V500

DUAL EFFICIENCY IN STACKING

Its large grab enables two round bales or three rectangular bales to be picked up simultaneously, saving time and allowing maximum output.

FEATURES

- Overall height: 1.80 m
- Large grab with 8 tines – height: 145 cm
- Simultaneous pick-up of 2 round bales or 3 rectangular bales
- Options: 2 lower tines kit and 3 lower tines kit (Ø40 x 950 mm usable length)



Hydraulics necessary: 1 function • Minimum front loader lift height: 3.60 m pivot • Equivalent or greater power than the MX U410/T410.

MANUBAL W500

PRODUCTIVITY IN THE FIELD

Its two grabs operate alternately: when the first bale is taken by the lower grab, the upper grab takes the second bale without releasing the first. Handling time is therefore reduced and productivity is increased.

FEATURES

- Overall height: 1.80 m
- Alternating opening/closure of the two grabs, without additional hydraulic function (3rd function only)
- 2nd bale sensor supplied as standard
- Euro or MX hitching
- Options: wrapped bale grab kit, 2 lower tines kit (Ø40 x 950 mm usable length)



Hydraulics necessary: 1 function • Minimum front loader lift height: 3.60 m pivot • Equivalent or greater power than the MX U410/T410.

MANUBAL V60

DESIGNED TO STACK UP TO 6 HEIGHTS

The MANUBAL V60 enables you to stack up to six bales, even behind a stack that has already been built, thanks to an exceptional front range. You also maintain a safe distance from the tractor and stack bales without a catch, regardless of your storage arrangement.

FEATURES

- 6-tine grab – height: 75 cm
- Double acting tilt and turn ram
- Lift up to 650 kg with added lift of 2.50 m
- Euro or MX hitching
- Optional: wrapped bale grab kit

Requires an original parallelogram on the loader, as well as a dumping restrictor • Hydraulics necessary: 2 functions • Minimum front loader lift height: 3.50m pivot • Equivalent or greater power than the MX T406.



MANUBAL V400HD NEW



Heavy Duty



VERSATILITY AND PRODUCTIVITY GUARANTEED

The equipment available on this robust device enables you to create a bespoke MANUBAL: more tines on the grab, more height, with or without lower tines; you will definitely find the product suited to your intensive requirements.

FEATURES

- Overall height: 1.12 m
- 8 tine grab - height: 90 cm
- Bolted hitching
- Options: 30 cm height extension, 2 tine grab extension kit, lower tine kits with 850 mm or 1700 mm tine spacing

With height extension + grab extension kit



With height extension + 1700 mm spacing lower tine kit



Hydraulics required: 1 function.



MANUBAL V5000HD NEW



Heavy Duty



COMBINED PRODUCTIVITY AND COMPACTNESS

If you are looking for a high-performance but compact stacking device, this MANUBAL will fit the bill perfectly. What's more, its reinforced structure guarantees reliability for long days of moving and handling bales.

FEATURES

- Overall height: 2.30 m
- 12-tine grab - height: 190 cm
- Bolted hitching
- Options: 30 cm height extension, lower tine kits with 850 mm or 1700 mm tine spacing



Hydraulics required: 1 function.



With height extension + 850 mm spacing lower tine kit



With height extension + 1700 mm spacing lower tine kit



MANUBAL V7000HD UNIQUE



Heavy Duty



EXCELLENT PERFORMANCE

With its 2.55 m grab fitted with 14 tines, the V7000 can load up to four rectangular bales or three round bales on to a flatbed in one pick-up. The three lower tines provided as standard are mounted on an articulated base to instantly switch to fixed, floating and transport positions.

Its large cross-section tubular monobloc frame has a wide, strongly bolted height extension for holding and pushing bales.

FEATURES

- Overall height: 3.00 m
- 14 tine grab – height: 255 cm
- 3 lower tines, forged and articulated as standard (Ø40 x 1,000 mm usable) exterior spacing: 1,700 mm
- Bolted hitching
- Options: lower tine Ø40 x 1,000 mm usable length (option of adding 2), Mach 2 plug.

With optional 2 extra lower tines



Hydraulics necessary: 1 function.



OPTIONAL EQUIPMENT FOR ACCURATE, FLEXIBLE AND COMFORTABLE WORK



A "WRAPPED BALE KIT" THAT IS QUICK TO INSTALL

Just one minute is enough to transform a MANUBAL V into a wrapped bale grab, without tools and done by just one person (removal of synchronization linkage required). Allows wrapped round bales to be handled, from Ø1.10 to Ø1.60 m and up to a maximum of 800 kg.



Not available on the MANUBAL V500, V400HD, V5000HD, V7000HD.

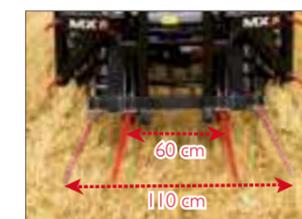
UNIQUE FLOATING LOWERTINES

(Ø40 x 950 mm)

Easy withdrawal of tines while pushing against the bale.

Maintains the structure of the bale thanks to reduced applied pressure.

Durability of tines – less subject to friction.



ADJUSTABLE TINE WIDTH ADAPTABLE TO ALL BALE SIZES

The lower tine spacing is adjustable to 60 or 110 cm.

WITH PARK POSITION FOR SAFE TRANSPORT

Automatic folding of tines by simply fully crowding the MANUBAL. Storage of tines in the MANUBAL chassis, without tools and with minimum downtime.

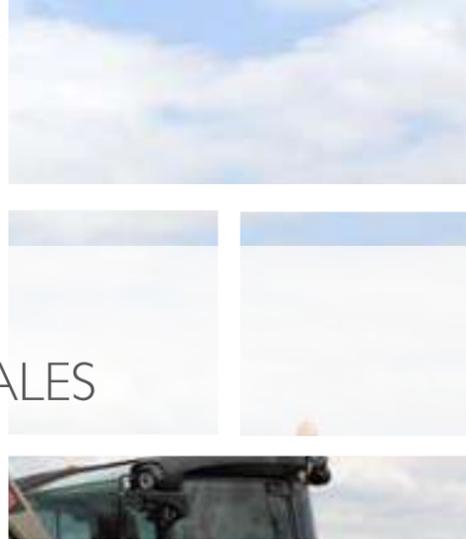


Not available on the MANUBAL V60.



MANUBAL L

PERFECT FOR STRAW AND HAY BALES



MANUBAL L40, L400, L400 HD, L500 and L6000 bale spikes enable users to handle all types of round and rectangular bales easily and quickly.

Depending on your needs and on the bale spike you choose, you can spike or pallet up to five bales at the same time.

MANUBAL L40

PERFECT FOR EVERYDAY HANDLING JOBS

The simplest implement for easily handling round and/or rectangular bales. Stack bales up to four high. The PIK-UP option provides double the efficiency in the field.

FEATURES

- 2 fixed tines Ø35 x 1,050 mm usable length
- Fixed tine spacing of 820 mm
- Euro or MX welded hitching
- *Optional: PIK-UP*



L40 with PIK-UP option

MANUBAL L400

EFFICIENCY IN THE FIELD

FEATURES

- Standard sliding height extension (telescopic system with no tools)
- 2 Tines Ø40 x 1,000 mm (working length), with 3 positions: fixed, floating or transport
- Fixed spacing between tines: 1,000 mm
- Tines in direct contact with the ground
- Height of stowed extension: 1,390 mm/Height with extension: 2,000 mm
- Removable MX or Euro hitching
- *Optional: 3rd central tine kit*



L400 with 3rd tine kit



* Short tines (800 mm usable length) or long tines (1,200 mm usable length) available.

MANUBAL L400HD

DESIGNED FOR HIGH WORK OUTPUT

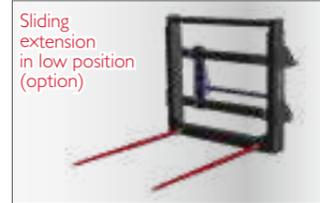
Its robust construction guarantees a longer service life for constant handling of round bales.

FEATURES

- 2 tines Ø40 x 1,000 mm usable length, fixed position
- Fixed spacing between tines: 850 mm
- Overall width: 1,196 mm
- Height without extension: 1,000 mm
- Height with extension (optional): 1,090 mm/1,890 mm
- Weight: 170 kg (213 kg with extension)
- Removable MX or Euro hitching
- *Options: removable height extension (+890 mm),*



Sliding extension in high position (option)



Sliding extension in low position (option)



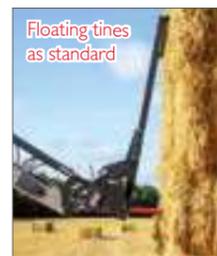
MANUBAL L500

THE MOST VERSATILE BALE SPIKE

Fitted with two floating tines with adjustable spacing as standard – spike or pallet bales of all sizes, however large, with greater stability. The optional back rest extension or PIK-UP provide greater flexibility, speed and work safety.

FEATURES

- 2 Tines Ø40 x 1,000 mm* usable length (3 positions: fixed, floating or transport)
- Adjustable tine width (2 positions: 760 mm and 1,250 mm)
- Overall width: 1,320 mm
- Height without extension: 950 mm
- Height with extension (optional): 2,080 mm
- Euro or MX hitching
- *Optional: removable back rest extension (+1,130 mm), PIK-UP*



Floating tines as standard



2 round bale or 3 rectangular bale pick-up



L500 with PIK-UP option



Removable height extension (optional)

* Short tines (800 mm usable length) or long tines (1,200 mm usable length) available.

MANUBAL L6000

ESSENTIAL FOR HEAVY WORK

With three floating tines as standard and its adjustable height extension as an option, the MANUBAL L6000 provides efficient handling of up to four rectangular bales. It is possible to add two tines (optional) in order to hold chopped straw bales more securely.

FEATURES

- 3 Tines Ø40 x 1,000 mm* usable length (3 positions: fixed, floating or transport)
- Exterior spacing: 1,700 mm
- Height: 1,240mm (without height extension), up to 2,750mm (with height extension)
- Overall width: 1,800 mm
- Euro or MX hitching
- *Options:*
 - Height adjustable extension (2,350 to 2,750 mm) fitted with height- and width-adjustable spikes.
 - 1 or 2 additional tines*

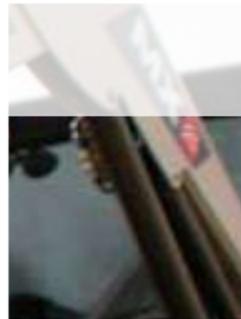
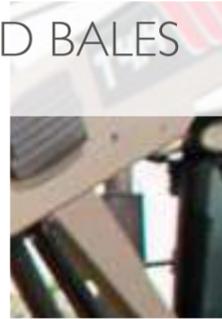
L6000 with height extension options and two additional tines



* Short tines (800 mm usable length) or long tines (1,200 mm usable length) available.

MANUBAL C

PROFESSIONAL HANDLING FOR WRAPPED BALES



Regardless of whether your needs are occasional or intensive, you will find the equipment you need in the MANUBAL C range.



MANUBAL C30

OCCASIONAL HANDLING OF BALES UP TO Ø1.45 M AND 800 KG

OPTIMISED PERFORMANCE

Bales are grabbed by tubular arms that create a bulging effect to improve grip. A Double Acting ram ensures secure clamping of bales up to 800 kg. The MANUBAL C30 has a generous opening and closing range. You can handle bales with diameters from 0.80 to 1.45 m.

AN EASY-TO-USE WRAPPED BALE HANDLER

The two grab arms are floating. Side-by-side bale storage is easy to achieve. The pivot points are fitted with wear bushes and grease nipples which makes the C30 easy to clean and maintain. Smooth construction, the MANUBAL C30 has no sharp or jagged edges. The bale's plastic wrap remains intact.



FEATURES

- For bales of **Ø0.80 to Ø1.45 m** under plastic film
- Bale weights up to **800 kg**
- 2 mobile floating arms with synchronised opening/closing
- Chassis width: 118 cm / Device weight: 135 kg
- Euro or MX hitching

Hydraulics necessary: 1 function • Minimum front loader lift height: 3.50 m pivot • Equivalent or greater power than the MX U403/T406.

MANUBAL C40

INTENSIVE HANDLING OF BALES OF Ø1.80 M MAX. AND UP TO 1,200 KG

CONFIDENT, SECURE GRIP

The MANUBAL C40 is made up of tubes that encircle the bale, which helps form ridges and hold it in place. The rear tubes are adjustable in order to fit closely to the shape of the bale, regardless of diameter. A double-acting ram guarantees the perfect clamping of bales up to 1,200 kg and the check valve fitted as standard ensures the bale is held securely while on the move.

FLEXIBILITY AND COMFORT

The C40 offers an unparalleled opening and closing range. It enables you to handle bales with a diameter of between 0.90 and 1.80 m, using the same implement. The arms also incorporate a spring synchronising system in order to facilitate manoeuvring and self-centring. Its floating arm design allows bales to be stacked closely together.

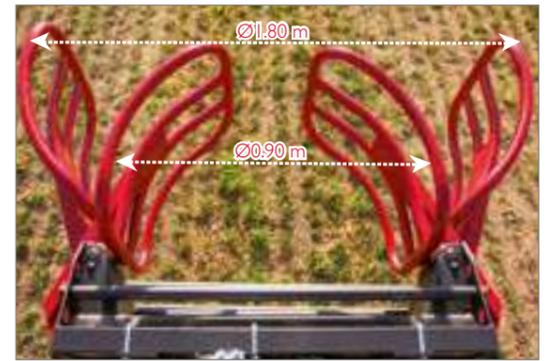
HEAVY DUTY BUILD AND OPTIMUM BALE PRESERVATION

The MANUBAL C40 chassis is fully enclosed for unfailing reliability. The pivot points are fitted with wear bushes to guarantee a long service life. Its smooth lines, with no sharp or jagged edges, help prevent damage to the plastic wrap.

FEATURES

- For bales of **Ø0.90 to Ø1.80 m** under plastic film
- Bale weights up to **1,200 kg**
- 2 mobile floating arms with synchronised opening/closing
- Check valve as standard
- Chassis width: 135 cm / Device weight: 245 kg
- Euro or MX hitching
- *Optional: POWER CONTROL SYSTEM®*

Hydraulics necessary: 1 function • Minimum front loader lift height: 3.60 m at pivot • Equivalent or greater power than the MX U406/T406.



POWER CONTROL SYSTEM® (OPTIONAL)

This technology, which is unique on the market and which regulates the tightening strength according to the density, weight and size of the bale, provides greater comfort and productivity. It provides a quick, safe bale pick-up.



POWER CONTROL SYSTEM

MANUBAL U40

THE HANDLING OF RECTANGULAR WRAPPED BALES UP TO 1,000 KG

Bales are held in place by tubes that generate bulges and thereby grip every time.

The sizing of the two double-acting rams enables square bales of up to 1,000 kg and a width of 0.80 to 2.00 m to be tightened. The balancing valve (fitted as standard) ensures perfect stability when moving. Robust, with its fully reinforced grab, the MANUBAL U40 has no sharp edges, therefore does not damage the plastic.

FEATURES

- For bales **0.80 to 2.00 m** wide wrapped under plastic film
- Bale weights up to **1,000 kg**
- Balancing valve as standard
- Chassis width: 1,345 cm / Device weight: 280 kg
- Euro or MX hitching

Hydraulics necessary: 1 function • Minimum front loader lift height: 3.60 m pivot • Equivalent or greater power than the MX U406/T406.



IMPLEMENTS & GRABS



MULTIPURPOSE BUCKET
 > page 110



GENERAL PURPOSE BUCKET
 > page 111



HIGH VOLUME BUCKET *High*
 > page 111



4-IN-1 BUCKET
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MANURE FORK
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COMBI-GRAB
 > page 112



PALLET FORK AND CARRIER
 > page 113



TRC500 PALLET FORK AND CARRIER *for CI/CI's implement carrier*
 > page 113

MANUBAL



MANUBAL LC30
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2 TINE KIT *for CI/CI's implement carrier*
 > page 113



LINKAGES & WEIGHTS



R05/R05N
 > page 64



R08/R08N
 > page 64



M250/M400 weights
 > page 70

MULTIPURPOSE BUCKET

HIGHLY VERSATILE IMPLEMENT FOR SILAGE AND LOADING BULK GOODS, OR EVEN CUT BRANCHES

- Double rams on the upper part of the grab (excluding BMSC 118)
- Conical grab tines (excluding BMSC 118) for greater penetration and movement-free attachment
- Grab tines set back from the blade, and an optimised radius to avoid any loss of power.
- Open sidewalls for better loading of branches, for example.
- MX exclusive detachable side cover plates kit without special tools: speed and practicality excluding BMSC 118

Hydraulics necessary: 1 function



	Width (m)	Heaped capacity (l)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)	Grab opening (mm)	Grab tines/tine dimensions (mm)	Rams
BMSC 118*	1.20	250	85	460	410	830	5 / Ø25 x 400	single ram behind the bucket
BMSC 130 / BMSCu130	1.30	335	130	560	475	885	7 / Ø25 x 440	double rams above the grab
BMSC 150	1.50	387	150	560	475	885	8 / Ø25 x 440	double rams above the grab
BMSC 175	1,75	451	165	560	475	885	9 / Ø25 x 440	double rams above the grab

*available exclusively on CI/C1s



Safety latch

Detachable side cover plates kit



Tines set back from the blade to pick up material right down to the foot of the wall



Side cover plates open for carrying branches



Side cover plates closed for loading bulk material

GENERAL PURPOSE BUCKET

FOR MULTIPURPOSE LOADING

This multipurpose bucket has a cylindrical back plate to improve filling. The general purpose bucket can be used for loading gravel, sand, earth, bulk goods, etc.

	Width (m)	Capacity (l)	Heaped capacity (l)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)
BRC 118*	1.20	120	160	51	460	410
BRC 120 / BRCu120	1.20	168	215	78	500	475
BRC 140 / BRCu140	1.40	196	250	88	500	475
BRC 160 / BRCu160	1.60	224	286	97	500	475
BRC 175	1.75	245	313	105	500	475

*available exclusively on CI/C1s

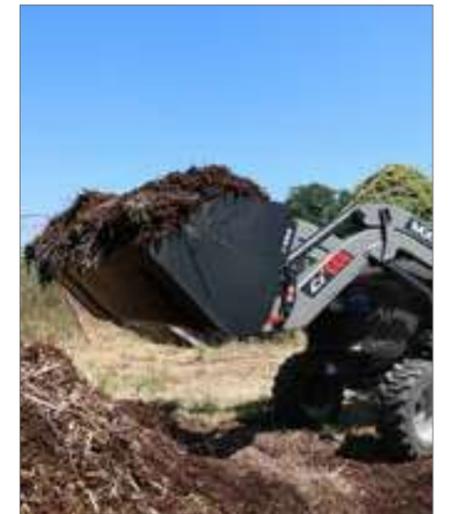


HIGH VOLUME BUCKET High

INCREASED PRODUCTIVITY

With its very high volume and features that guarantee exceptional crowding, the large-capacity High bucket is the ideal implement for loading low-density products of less than 0.8 kg/L such as compost, grass cuttings, wood chips, etc.

	Width (m)	Capacity (l)	Heaped capacity (l)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)
BRC 140H	1.40	255	325	98	570	530
BRC 160H	1.60	291	375	108	570	530



4-IN-1 BUCKET

SUITABLE FOR GROUNDWORKS

With its "box-section" jaw, its single front blade and its rear counter blade as standard, it can be used as a grab bucket, a levelling blade or even a log grab – no need to change accessories.

Hydraulics necessary: 1 function.

	Width (m)	Capacity (l)	Heaped capacity (l)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)	Grab opening (mm)
BQU 120	1.20	160	210	127	450	590	840
BQU 140	1.45	185	240	150	450	590	840



MANURE FORK

SIMPLE, COST-EFFECTIVE IMPLEMENT FOR HANDLING MANURE.

Six forged, dismountable tines of Ø25 mm

	Width (m)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)	Grab tines/tine dimensions (mm)
BFC 118*	1.18	41	510	400	6 / Ø25x500
BFC 120	1.20	73	600	475	6 / Ø25x650

*available exclusively on CI/CI1s



COMBINATION GRAB

ADD A GRAB TO THE MANURE FORK FOR GREATER PRODUCTIVITY

Double rams on the upper part of the grab, conical tines and exclusive MX attachment (excluding CGC 118).

Hydraulics required: 1 function



	Width (m)	Heaped capacity (l)	Weight empty (kg)	Usable depth (mm)	Usable height (mm)	Grab opening (mm)	Grab tines/tine dimensions (mm)	Grab tines/tine dimensions (mm)	Rams
CGC 118*	1.18	208	82	510	400	825	6 / Ø25x500	5 / Ø25 x 400	single ram behind the bucket
CGC 120 / CGCu120	1.20	300	113	600	475	900	6 / Ø25x650	7 / Ø25 x 440	double rams above the grab

*available exclusively on CI/CI1s

MANUBAL LC30

- Two spikes (Ø35 x 860 mm) to pick up round or rectangular bales
- Stacking height: 3 bales H 1.20 m
- Capacity 500 kg
- Automatic hitching
- Width: 0.85 m
- Weight empty: 35 kg



PALLET FORK AND CARRIER

SECURITY FOR LOADING PALLETS

	Fork dimensions (mm)	Width (m)	Capacity (kg)	Weight empty (kg)	Depth (mm)	Height (mm)
TRC 800 / TRCu 800	80x40x1000	1.18	800	64	1215	525

LOADING BACKPLATE OPTION To bolt onto the pallet fork and carrier frame (adjustable overall height: 730 or 850 mm)

LOG GRAB OPTION To bolt onto the pallet fork and carrier frame. Double linkage to adjust the size of the grab opening. When fully open, the grab is kept clear of the frame so that it does not impede the grabbing of pallets, for example.



IMPLEMENT CARRIER CI & CIS LOADERS

2-TINE KIT for CI/CI1s implement carrier

- 2 tines (Ø35 x 860 mm)
- Maximum capacity 500 kg



TRC500 PALLET FORK AND CARRIER for CI/CI1s implement carrier

- Forks 80 x 40 x 800 mm
- Min./max. int. spacing: 200 - 520 mm
- Min./max. ext. spacing: 360 - 680 mm
- Maximum capacity 500 kg
- Mandatory fall protection device



With this optional implement carrier, changing implements could not be simpler using straightforward manual pinning. It is capable of holding two MANUBAL spikes, or even TRC500 tines for handling your pallets.

EASIER HITCHING OF IMPLEMENTS: BMSC 118, BRC 118, BFC 118, CGC118



the manufacturing

process



Listening to our customers

40 test farmers work in close collaboration with MX



Design

More than 50 technicians, engineers and prototype makers dedicated to product design and innovation. Averaging three new tractor designs per week.



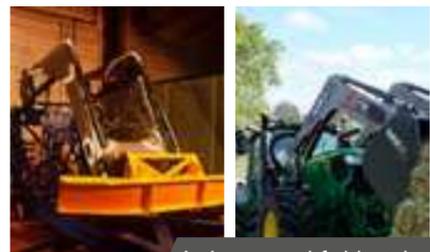
Delivery

The MX team works closely with our network of dealers to provide an optimal roll-out service.



Deliveries

Some 430 orders are delivered every week, half of which are for export. This represents a service level of 90%.



In-house and field trials

Every MX product is tested and approved by our experts and our OEM customers in the relevant sector of the business.



Functional checks

100% of our loaders undergo dynamic testing; to ensure enhanced quality control, every mechanism is checked by an operator!



Assembly

An average of 250 loaders were manufactured every week in 2020.



Quality Control

Our industrial processes ensure compliance with initial specifications.



Industrialisation

More than 30 technicians, engineers and tool makers develop the means to manufacture the products conceived by our design department.



The painting cycle

The painting cycle is optimised (shot blasting, cleaning, double powdering), in order to guarantee an excellent finish quality. We use textured paint for a lasting result. We offer 45 colours!



Incoming steel

We receive around 55 tonnes of steel per day, and our quality control ensures that it is of the required specification and the expected quality.



Laser Cutting

We use software to optimise the nesting of parts in the sheet metal, thereby reducing steel wastage and our environmental impact.



Robotised folding

Fully-automated line with a folding capacity of 320 tonnes over 4 metres.



Robotic welding

80% of our loaders are fully welded by robotics.



Production inspections

We conduct multiple inspections, particularly on welds and machine parts, using gauges and reference sources.



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