

# T400 EVO

SERIES

MX 





Watch the video

# T400 EVO

SERIES

**FOR YOUR TOUGHEST,  
MOST DEMANDING JOBS**

Constantly listening to the needs of end-users, we have made improvements to our range of T loaders.

Every detail of the T400evo stands testament to our customer commitment and to the level of quality we have upheld since 1951, combining strength with everyday usability. This range now offers new features available as standard or on option, along with a 7-year warranty on the boom structure.

The T400evo series is made up of 9 models with a hydraulic self leveling for tractor powers ranging from 80 to 300 hp to perform to the highest standards in the most intensive and demanding work.

*Enjoy looking through the range*











# Focus

## T400evo series

**DISCOVER THE T400evo RANGE OF LOADERS SPECIFICALLY FOR INTENSIVE AND DEMANDING USE**

- Features at a glance  06-13
- Wide variety of equipment available  14-15
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- Performance data across the range  18-19

# T400evo features at a glance

► **STRENGTH TO WITHSTAND THE TOUGHEST OF TESTS**

PERFORMANCE

VISIBILITY

POWER



## USING THE HYDRAULIC COMPENSATION PARALLELOGRAM (HCP SYSTEM)

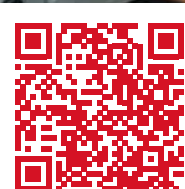
- ▶▶▶ Panoramic view from the cab (*comfort and safety*)
- ▶▶▶ Unrivalled crowd performance with full crowd back maintained over the entire lifting range, thus providing optimal bucket filling capabilities
- ▶▶▶ Precise implement angle retention over the entire lifting range



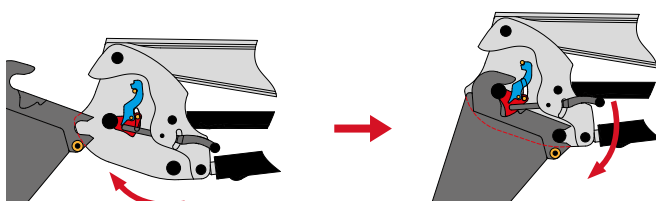
## ▶ EVERYDAY USABILITY

### FITLOCK 2+ SYSTEM: LOADER HITCHING AND UNHITCHING

- ▶▶▶ One single to hitch / unhitch
- ▶▶▶ Automatic locking and unlocking, using a conveniently positioned handle, away from the tractor's exhaust and lights
- ▶▶▶ A clear and effective locking indicator for improved safety



Watch the video on hitching and unhitching the loader



ENGAGE AND GUIDE

IT'S LOCKED!



## DECOMPRESSION OF THE 3<sup>rd</sup> AND 4<sup>th</sup> FUNCTION: **EASY-PLUG** (STANDARD FITMENT)

Effortless connection of implement feed and return hoses to the loader's 3<sup>rd</sup> (and 4<sup>th</sup>) hydraulic lines.

- Quick and effortless – no need to turn the tractor's engine off to decompress the hydraulic circuit
- Handle easily accessible from the front left-hand side of the loader
- Fully depressurizes the circuit for hassle free connection of "Push-Pull" couplings (even easier with a MACH 2)
- 100% mechanical system
- Compatible with MX controls or original tractor joystick (2 or 3 spools) - independent 3<sup>rd</sup> function line

### HOW DOES IT WORK?

1

Pull the handle towards you

2

The 3<sup>rd</sup> and 4<sup>th</sup> function line is fully depressurized!

3

All you need to do now is disconnect your implement



## EASY-PLUG



Watch the **EASY-PLUG** system demonstration video







*New colour "MX Graphite Grey" available as an option*

**NEW**

## ▶ STREAMLINED, INTEGRATED DESIGN

### MODERN-LOOKING TWO-TONE TITANIUM AND ANTHRACITE GREY FINISH

- ▶▶▶ New optional colour ; MX Graphite Grey
- ▶▶▶ Tough textured paint finish, for maximum performance

Coverage: total application, even on the sharpest edges

Non-stick: for easy daily cleaning of the loader

## INTEGRATED PARKING STANDS

- /// Fold neatly into the underside of the loader; fully protected
- /// The available working is height maintained due to its integrated design (by +4cm)
- /// Easy unfolding to preset position with automatic ratchet system



## ELECTRICAL AND HYDRAULIC PROTECTION

- /// Integration into loader arm and cross-bar
- /// Full protection against falling objects
- /// Internal hoses and wiring fully protected from chafing and rubbing

### BENEFITS +

**Hydraulic and electrical integration  
for optimum compatibility between loader and tractor**



## ▶ PROVEN QUALITY

- ▶ Strong boom thanks to overlapped sectional design
- ▶ 100% of loaders tested before delivery
- ▶ Large pivot points, 100% bushed
- ▶ Play free pivot points



## ▶ MX KNOW-HOW MAINTAINED

- ▶ Tractor brackets (AD05) - individually designed to each tractor model
- ▶ Durability testing of every new bracket
- ▶ Full compatibility with MX front linkage: shared components (*chassis, controls, suspension, etc.*)

### BENEFITS +

**Over 11,000 compatible tractors**  
**More than 42 colours available**  
**for a harmonious tractor/loader combination**

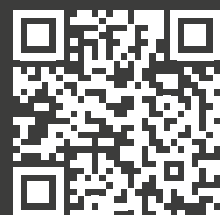


## ▶ 7-YEAR WARRANTY

unique to T400evo loader booms

The T400evo loader boom is designed using premium materials and unrivalled manufacturing expertise. Every product undergoes rigorous controls to ensure optimal performance.

With the 7-year warranty, we demonstrate our confidence in the strength and reliability of our equipment, offering additional peace of mind for our end-users.



Find out more

# Wide variety of optional equipment available

## ▶ SPEED-LINK 2



- ▶ Implements locked and unlocked from the cab
- ▶ Connection and disconnection of hydraulic and electrical lines from the cab
- ▶ No need to get out of the tractor!
- ▶ Full protection for hydraulic and electrical connectors

## ▶ ELECTROFIT READY **ELECTROFIT<sub>ready</sub>**



- ▶ Pre-equipped wiring circuit, designed to easily retrofit optional equipment (E.g. 4<sup>th</sup> function, FAST-LOCK, AUTO-UNLOAD and new options in the future, etc.)

## ▶ AUTO-UNLOAD

**For combined movements (*grab, dumping*)**

- ▶ Allows grab opening and bucketing dump movements to be carried out simultaneously
- ▶ Performed by means of the direct and progressive 3<sup>rd</sup> function (*E-PILOT S thumb wheel*)
- ▶ Convenient single control action

## ▶ AUTO-LEVEL

**Automatic implement reset**

- ▶ The implement can automatically be repositioned to a pre-set position (*on E-PILOT S*)
- ▶ AUTO-LEVEL set by a sensor located on the indicator rod

## ▶ WORK LIGHTS



**Lighting focused on the implement**

- ▶ Powerful spot lights (*800 lumens*) located under the loaders arm for working at night or in poorly lit buildings
- ▶ Additional to the tractor's existing lights, our work lights offer enhanced visibility of implements (E.g. *position of the bucket blade, Manubal tines, etc.*) and the load itself (*bales, manure, pallets, etc.*)



SPEED-LINK 2



ELECTROFIT READY



WORK LIGHTS

# Compatibility summary

EQUIPMENT	DESCRIPTION	STANDARD	OPTION
<b>FITLOCK 2+®</b>	Hitching/unhitching the loader ( <i>single action</i> )	✓	
<b>Implement carrier</b>	Automatic implement locking	✓	
<b>Anti-shock valves</b>	Full protection of loader moving forwards/reversing	✓	
<b>Indicator rod</b>	Implement position indication	✓	
<b>EASY-PLUG</b>	Decompression of 3 <sup>rd</sup> function or of both 3 <sup>rd</sup> and 4 <sup>th</sup> functions ( <i>if fitted on loader</i> )	✓	
<b>MACH SYSTEM</b>	Electrohydraulic tractor/loader multi-connection ( <i>single action</i> )		✓
<b>Dumping restrictor</b>	Required for bale handler ( <i>MANUBAL V60 High-Lift</i> )		✓
<b>3<sup>rd</sup> function</b>	Auxiliary function for control powered implements		✓
<b>Independent 3<sup>rd</sup> function line</b>	For connection to original tractor control valves with 3 spools		✓
<b>4<sup>th</sup> function</b>	Additional auxiliary function to control implements requiring two hydraulic supplies		✓
<b>Electrically fitted for 4<sup>th</sup> function</b>	Electrical socket on implement carrier frame		✓
<b>MACH 2</b>	Quick connection of the 3 <sup>rd</sup> and/or 4 <sup>th</sup> function		✓
<b>SHOCK ELIMINATOR®</b>	Loader and MX front linkage suspension		✓
<b>Electrical on/off for SHOCK ELIMINATOR®</b>	Electrical activation/deactivation of the suspension from the cab		✓
<b>Work lights</b>	Lighting focused on implements		✓
<b>Mixed implement carriers</b>	MX/Euro, Euro/SMS, Euro/Sigma 4, Euro/Tenias		✓
<b>FAST-LOCK®</b>	Automatic unlocking of implement carrier		✓
<b>Lifting/dumping safety device</b>	Protection for people around the loader		✓
<b>AUTO-UNLOAD®</b>	Combined movement using the E-PILOT S thumbwheel		Included on E-PILOTS with thumbwheel
<b>AUTO-LEVEL®</b>	Automatic implement reset		Exclusively on the E-PILOT S
<b>SPEED-LINK 2</b>	Automatic hitching/unhitching of implements with hydraulic and electric functions		✓
<b>ELECTROFIT READY</b>	<i>Pre-equipped wiring circuit, designed to easily retrofit options (4<sup>th</sup> function, FAST-LOCK, AUTO-UNLOAD and future equipment, etc.)</i>		✓

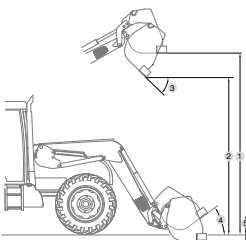




# Performance data across the range

## 9 MODELS FROM 80 TO 300 HP

	T408evo	T408+evo	T410evo	T410+evo	T412evo
<b>Tractor POWER (HP)</b>	80 - 130	80 - 130	90 - 180	90 - 180	110 - 230
<b>LIFT HEIGHTS</b>					
Maximum height at implement pivot*	3.85 m	3.85 m	4.00 m	4.00 m	4.15 m
Max. height under horizontal bucket ①	3.60 m	3.60 m	3.75 m	3.75 m	3.90 m
Max. height under dumped bucket# ②	3.05 m	3.05 m	3.20 m	3.20 m	3.35 m
<b>WORKING ANGLES</b>					
Dumping angle at full height# ③	55°	55°	55°	55°	55°
Crowding angle on the ground# ④	52°	52°	52°	52°	52°
<b>DIGGING DEPTH ⑤</b>	0.20 m	0.20 m	0.20 m	0.20 m	0.20 m
<b>LIFTING FORCE at implement pivot axis*</b>	2410 kg	2840 kg	2590 kg	3010 kg	2840 kg
<b>CAPACITY at implement pivot axis over entire lifting range*</b>	2070 kg	2440 kg	2220 kg	2590 kg	2420 kg
<b>PAYLOAD** at 800 mm from implement pivot axis (kg)</b>					
On the ground	2230 kg	2495 kg	2345 kg	2750 kg	2650 kg
2 m above ground	2010 kg	2390 kg	2125 kg	2490 kg	2395 kg
3 m above ground	1905 kg	2275 kg	2015 kg	2365 kg	2265 kg
<b>At max. height</b>	<b>1890 kg</b>	<b>2180 kg</b>	<b>2010 kg</b>	<b>2345 kg</b>	<b>2225 kg</b>
<b>LIFTING TIME</b>	4.3 s	5 s	5.1 s	5.8 s	5.8 s
<b>DUMPING TIME</b>	0.9 s	0.9 s	0.9 s	1.2 s	1.2 s
<b>WEIGHT WITHOUT EQUIPMENT</b>	530 kg	535 kg	578 kg	588 kg	603 kg



Specifications determined at a pressure of **195 bar** and a flow rate of 60 litres/min.

Data may vary depending on the type of tractor being equipped.

\* Only payloads apply. The values at ground level and at the implement pivot cannot be used.

Lifting force and capacity at the pivot axis are calculated without an implement hitched to the loader.

\*\* Payload is calculated with a 180 kg implement.

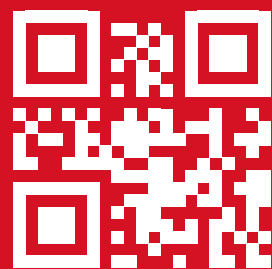
# Values given for an earth bucket.

<b>T412+evo</b>	<b>T414evo</b>	<b>T417evo</b>	<b>T418evo</b>
110 - 230	120 - 260	150 - 300	150 - 300
<b>4.15 m</b>	<b>4.50 m</b>	<b>4.60 m</b>	<b>4.60 m</b>
3.90 m	4.25 m	4.35 m	4.35 m
3.35 m	3.70 m	3.80 m	3.80 m
55°	50°	50°	50°
52°	52°	51°	51°
0.20 m	0.20 m	0.20 m	0.20 m
3270 kg	2670 kg	3420 kg	3420 kg
2780 kg	2210 kg	2910 kg	2910 kg
3075 kg	2490 kg	3230 kg	3230 kg
2780 kg	2230 kg	2950 kg	2950 kg
2635 kg	2150 kg	2795 kg	2795 kg
<b>2535 kg</b>	<b>2100 kg</b>	<b>2735 kg</b>	<b>2735 kg</b>
6.6 s	6 s	7.8 s	7.8 s
1.2 s	1.1 s	1.2 s	1.2 s
608 kg	720 kg	787 kg	797 kg





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