

GMT

EQUIPMENT



GMT PRODUCTS

Safe and efficient pruning and removing of trees

Suitable for all vehicles with a crane • Easy installation • Save up to 60% in time related to work and materials
Perfect in cities and along railway lines, motorways and waterways • Directly from the tree into the container or wood chipper

Making tree work safe and efficient

GMT grapple saws can be installed on any crane vehicle. It therefore does not require any further technical adjustments to your crane. This means that your current crane vehicle can be deployed to a greater extent and you can maintain and remove trees efficiently. You can remove a tree in small sections and you can clear these sections immediately with the unique GMT grapple saws. Straight from the tree to the container or wood chipper without damage caused by falling items or hitting the ground. This will save you a considerable number of operations and means fewer man-hours. It immediately converts the grapple saw into a profitable investment.



Generates competitive advantages

Very efficient: you can prune and remove trees up to 60% faster



Plug & Play on every crane

Easy and quick to install on any crane vehicle



Maximum safety without being physically overloaded

Working under healthy physical conditions



Patented technologies

Unique possibilities thanks to patented technologies



Robust design and proven reliability

Minimum maintenance and a long service life

- Patented valve block: no extra hydraulic lines or electrical control cables required.
- Single saw cut up to 50 centimetres. Double saw cut up to 72 centimetres.
- Prune and remove trees fast and efficiently in all areas. From forest to city.
- Using hydraulics means that the noise pollution will be the lowest possible.
- Minimum clearing work after felling.



Truck with GMT035TTC grapple saw and GMT C10 quick coupler system

GMT grapple saw types

You can remove trees in sections from one position with the GMT035 and GMT050 grapple saws. This means that you can position, tension free cut and ensure controlled tipping from one single position. These grapple saws have proven themselves for more than 10 years in all types of applications.

Both types can, moreover, be equipped with the patented Total Tree Control (TTC) system. This system ensures that tree sections can be disposed of in a fixed position once they have been cut. The tree section will therefore not tilt after it has been cut. The tilting cylinder of the grapple saw and all movement directions in the cardanic suspension are fixated. Flexible positioning and removal in a fixed manner by just pressing a button!



Grapple saw TTC inactive



Grapple saw TTC active

	GMT 035	GMT 035 TTC	GMT 050	GMT 050 TTC
Control				
Tilt + Link blocking	No	Yes	No	Yes
Dimensions				
Maximum opening width	Ø 85 cm 33"	Ø 85 cm 33"	Ø 112 cm 48"	Ø 112 cm 48"
Sawing blade length	Ø 52 cm 20"	Ø 52 cm 20"	Ø 64 cm 25"	Ø 64 cm 25"
Maximum saw diameter of a single cut	Ø 40 cm 16"	Ø 40 cm 16"	Ø 50 cm 20"	Ø 50 cm 20"
Maximum saw diameter of a double cut	Ø 60 cm 24"	Ø 60 cm 24"	Ø 72 cm 28"	Ø 72 cm 28"
Minimum saw diameter	Ø 5 cm 2"	Ø 5 cm 2"	Ø 8 cm 3"	Ø 8 cm 3"
Weights				
Grapple saw weight	245 kg 540 lb	245 kg 540 lb	395 kg 870 lb	395 kg 870 lb
Maximum load	1500 kg 3300 lb	1500 kg 3300 lb	2500 kg 5500 lb	2500 kg 5500 lb
TTC weight	N/A	135 kg 298 lb	N/A	135 kg 298 lb
Maximum TTC load	N/A	5000 Nm	N/A	5000 Nm
Hydraulics				
Recommended oil supply	35 – 65 litre/minute	35 – 65 litre/minute	45 – 80 litre/minute	45 – 80 litre/minute
Minimum working pressure	185 bar 2683 psi	185 bar 2683 psi	185 bar 2683 psi	185 bar 2683 psi
Maximum working pressure	250 bar 3626 psi	250 bar 3626 psi	250 bar 3626 psi	250 bar 3626 psi

With or without TTC system?

Grabbing cut tree sections is important or even a requirement in relation to specific activities. Below we list a few examples where the TTC grapple saws offer benefits when compared to the grapple saws without TTC.

- Diseased or dead tree sections where there is a probability of pieces breaking off due to tilting.
- If you can only come from 1 position that may entail a risk to objects in the immediate area in relation to tilting and dropping.
- For activities that require precision such as pruning branches.
- The customer sets the requirement that cut trees sections must be held in the upright position.
- Grabbing boosts the confidence of the operator and therefore contributes towards a safer and more efficient working process.

The TTC system is suitable for every type of crane vehicle. We recommend using the TTC system in relation to all crane vehicles regarding which the crane moves relatively slowly such as rotating telehandlers and truck-mounted knuckle boom cranes.



Ritter skidder with a GMT050 grapple saw and GMT C10 quick coupler system

Plug & Play solutions

Thanks to the GMT extension arms and crane point adapters, all our grapple saws are Plug & Play compatible with every crane regardless of type or brand. Examples include trucks, telehandlers, mini excavators, excavators, tractors, forwarders and skidders. This will mean that your current crane vehicle can prune and remove trees in a mechanised manner in no time at all.

These extension arms are required to ensure the grapple saw can move freely and rotate 360 degrees when your crane is in the highest position and can easily manoeuvre in the canopy of the tree.

The crane point adapters are required to provide timber and recycling cranes with the TTC system.



GMT050TTC with extension arm for a knuckle boom crane



GMT050TTC with an extension arm for a crawler crane



GMT035TTC with an extension arm for an excavator



GMT050TTC with a crane point adapter for a forestry crane

GMT Equipment wishes to make the safe and efficient pruning and removal of trees with any vehicle with a crane possible. We are therefore set up to fabricate customer-specific tools and accessories under our own management to ensure a special application or combination is possible. Ask about the options. We are always happy to help.

GMT C10 quick coupler system

The GMT C10 quick coupler system will ensure you can quickly and easily change between the grapple saw and other equipment items for your crane. The GMT quick coupler system has a unique and robust design and is installed between the rotator and attachment.



GMT C10

Maximum load	10000 kg 22000 lb
Weight	25 kg 55 lb
Height	10 cm 4"
Reference circle installation holes	Ø 173 mm
Installation screws	6 x M16 12.9 tensile grade



Truck with a GMT050 grapple saw and GMT C10 quick coupler system

GMT Support

We, as a manufacturer, believe that accessibility and providing service to both end users and dealers is very important. Do you have a technical question or need support in relation to the installation, commissioning or maintenance of your grapple saw?

✉ support@gmt-equipment.com

📞 + 31 - 6 222 331 44

☎ + 31 - 544 370 315

You will find all technical information about the installation, commissioning, maintenance and fault resolution on our website in the shape of manuals, instruction videos and FAQ. Go to:

🌐 www.gmt-equipment.com/gmt-academy.aspx



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Fast and safe removal of trees • No noise pollution • Plug & Play solutions for all crane vehicles
Barely any clearing work after felling • Minimum working space needed • Free-of-charge factory support