

BROCHURE

CONSTRUCTION & QUARRY SOLUTIONS

English Edition



MTG

No limits innovation



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MTG IN NUMBERS

With more than 65 years' experience, we help construction, quarries and earth-moving companies bringing safety and productivity of their digging operations to maximum levels. Our dedicated and aligned team collaborates hand in hand with our global partner network of 400+ dealers to provide our customers expert and unique advice to make the journey together the best in 60+ countries all over the world.

65+

YEARS

experience in the design and manufacture of high quality ground engaging solutions for earth-moving machinery.

400+

DISTRIBUTORS

comprise our distribution network worldwide, based on long-term relationships.

60+

COUNTRIES

are operated by our distributors, allowing us to be a global company, providing local service to our end users.

MTG IN THE WORLD

An international projection, with a regional commitment.





SOLUTIONS WE PROVIDE

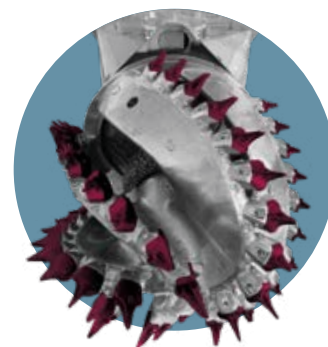
MTG gained a solid reputation in the Construction, Mining and Dredging industries by constantly challenging market standards and answering customer demands. Our deep knowledge in wear solutions has positioned us as a GET specialist, for our MTG branded products and for leading OEMs, providing custom-built solutions to satisfy their needs.



MINING SOLUTIONS



CONSTRUCTION & QUARRY SOLUTIONS



DREDGING SOLUTIONS

Our innovative GET solutions for earth-moving machinery are designed to deliver excellent performance in the most demanding construction and quarrying applications.



EXCAVATOR >15T



LOADER



DOZER



EXCAVATOR <15T



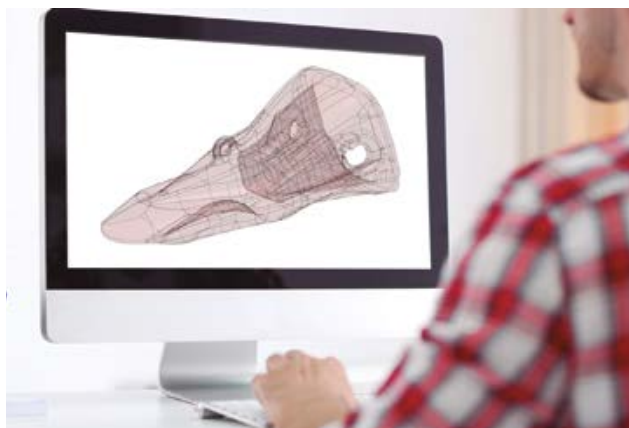
MINI LOADER



BACKHOE LOADER

SPECIALISTS IN GET

Each application and site conditions require specific GET solutions to ensure safety, reliability, durability and the utmost performance in operating efficiency. Made by MTG is a guarantee of stability and consistency, since we take care of the ideation, design, field tests, manufacturing processes, quality controls and customizations.



Product Engineering

Our premium positioning is the result of decades of experience and deep engineering investigations. All products created by MTG have been ideated and developed with a customer-centric mindset and through a very strict process leveraging its engineering expertise with state-of-the-art tools.



Product Manufacturing

Our own production plant, inaugurated in 2012, is one of the key pieces in MTG's commitment to quality and competitiveness in the GET market. The foundry, which is one of the most modern in Europe, is equipped with the most innovative technological facilities.



Technical Service

MTG's Technical Services Team is responsible for technical trainings, on-site visits, product recommendations, bucket layouts, GET inspections, welding & rebuilding instructions, GET performance assessments, productivity and efficiency field comparisons, among other duties.



Digging Insights

We are entering an era in which wear materials are not just steel parts but intelligent components which help our customers make data-driven decisions while ensuring maximum safety.



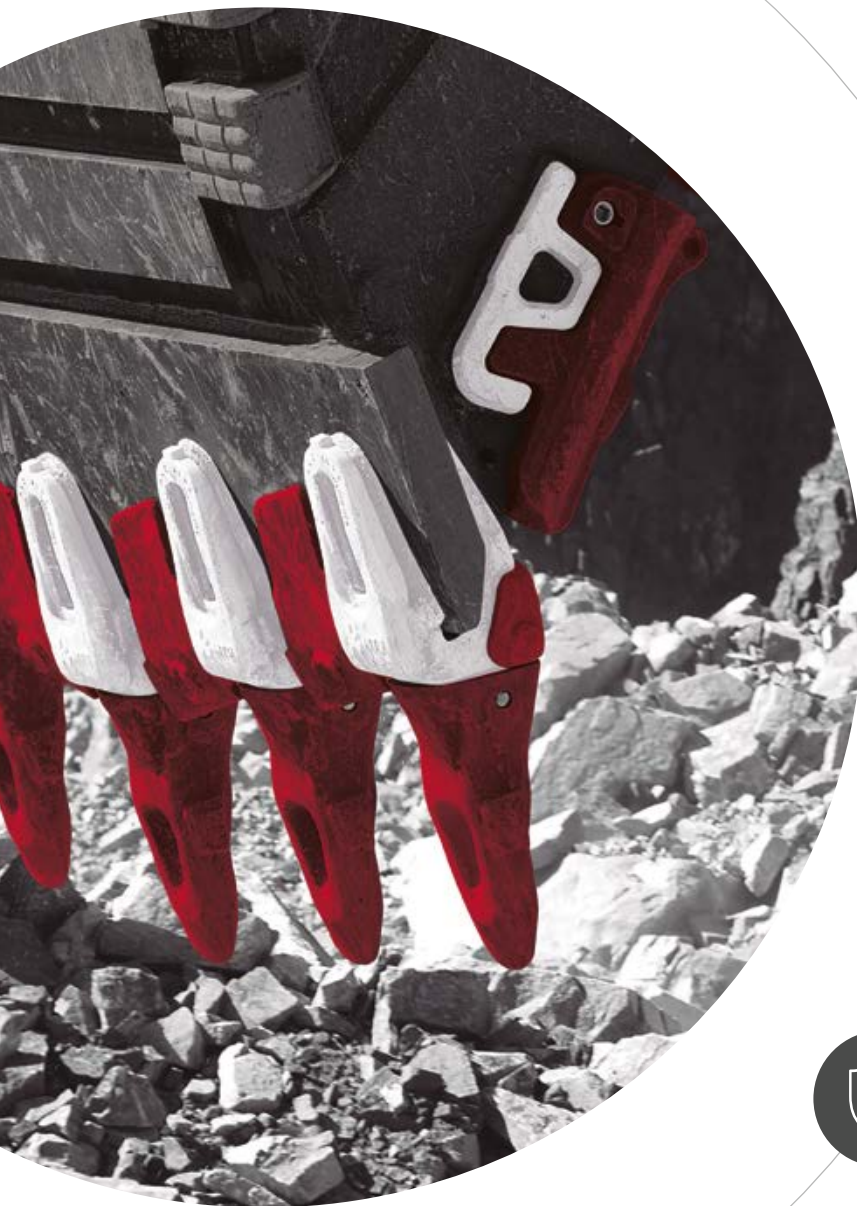
OUR STEELS

Specially designed to resist the highest mechanical stresses in service, MTG steels maximise the hardness-toughness binomial thanks to their low level of impurities and the transformation achieved in our specific heat treatments.

OUR STRENGTHS, YOUR BENEFITS!

To meet our end users needs, MTG has established a holistic approach consisting of various product and service-oriented strengths.

It is not what we say, but what our customers say about us.



**HIGHER
PRODUCTIVITY**



**LONGER MACHINE
AVAILABILITY**



**MAXIMUM
RELIABILITY**



**FASTER & SAFER
DOWNTIMES**

A Tooth for Each Application



We provide a wide range of products, making your machine more efficient as a result. The reason for this is that each tooth is specifically designed for each application, depending on the level of penetration, abrasion and impact required.

The optimal wear material ratio of each of our teeth designs make them last longer, improving your machine's performance and reducing the operating costs.

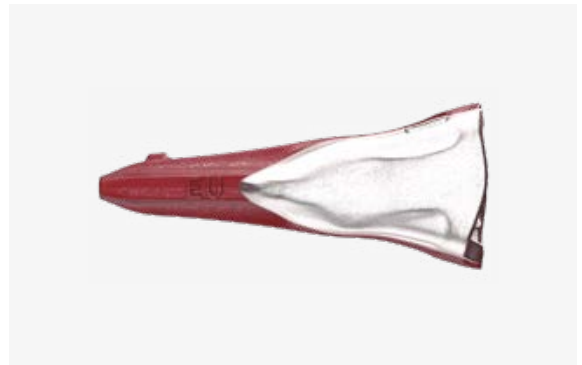


Designs



The self-sharpening designs allow our GET a high degree of penetration during all their wear life.

Teeth are designed to increase the adapters' protection, minimising the need for repairs.



Specialised Technical Support



Our Technical Support Engineers will assist you to better configure your full bucket protection for minimum blade exposure to impacts and abrasions.



MTG Steels



Our steels are designed to withstand the highest levels of mechanical stress and have proved robustness and resistance, even in the most demanding applications.

The low level of impurities and the structure developed using specific heat treatments, optimise hardness/toughness ratio, avoiding breakages.



Locking System













Our hammerless locking systems provide excellent retention, avoiding tooth loss.
























The assembly and disassembly of teeth is quick and safe thanks to our hammerless locking system, which provides the utmost in safety and efficiency while performing our product's routine change-outs.



CONSTRUCTION & QUARRY SOLUTIONS

MTG provides GET solutions for almost all construction and quarry applications.

PRODUCT CATEGORY	PRODUCT FAMILY
MTG SYSTEMS Our most advanced tooth-adapter and shroud systems with intelligent lockings that provide a substantial added value to your construction and quarry operations.	  VEEMET The new generation of tooth system with improved stability, optimized locking, and enhanced penetration. ➔ p.18
	STARMET ➔ p.20
	  PROMET Reliable bucket protection system for construction machinery. ➔ p.22
	 COMET The most advanced and fully hammerless solution especially designed for small construction machines. ➔ p.24
	 RIPMET Optimum penetration and longer service life for your dozer in the most demanding ripping applications. ➔ p.26
MTG PLUS Complementary and direct replacement products made by MTG.	 Side Pin Hammerless & Side Pin Our long lasting, self-sharpening tooth designs compatible with original Caterpillar* and Komatsu* adapters. ➔ p.28
	 Bolt-on Loader Shrouds ➔ p.28
	 Complementary Shrouds Weld-on Lip, Wing and Heel Shrouds. ➔ p.29
	 DRP Ripper Our robust and long lasting tooth designs compatible with original Caterpillar* ripper shanks. ➔ p.29

 EXCAVATOR >15T	 LOADER	 DOZER	 EXCAVATOR <15T	 MINI LOADER	 BACKHOE LOADER
					
					
					
					
					
					
					
					

EXCAVATOR >15 T

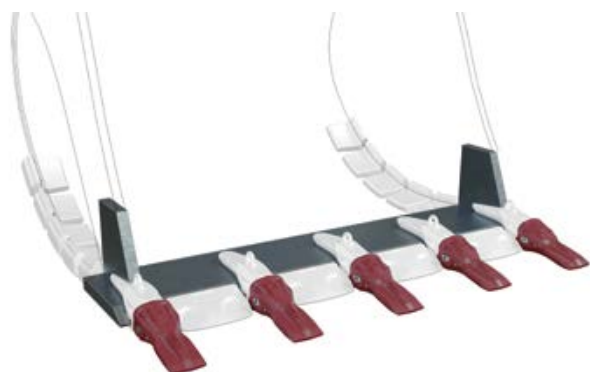
MACHINE CLASS

Weight 15 - 250 t
BOF: 100 - 1000 Kn



VEEMET + PROMET + PLUS

Your best hammerless option for high performance excavator applications with the new generation tooth system and easy to assemble shrouds.



VEEMET + PLUS

Your choice if you like to combine our new generation tooth system with flexible, weld-on lip shrouds.

MTG SYSTEMS

VEEMET ↗ p.18 STARMET ↗ p.20 PROMET ↗ p.22

MTG PLUS

↗ p.28

LOADER

MACHINE CLASS

Weight 20 - 250 t
BOF: 100 - 1600 Kn

VEEMET + PROMET + PLUS

Your best option for high performance loader applications with the new generation tooth system and easy to assemble shrouds.

VEEMET + PLUS

Your choice if you like to combine our new generation tooth system with flexible, bolt-on and weld-on shrouds.

MTG SYSTEMS

VEEMET ↗ p.18

STARMET ↗ p.20

PROMET ↗ p.22

MTG PLUS

↗ p.28

DOZER

MACHINE EXAMPLES*

D8T / D9T
D10T2 / D11T
D155AX-8 / D375-8
D475A-5

RIPMET

The advanced ripper solution with hammerless locking system for reduced downtimes and more safety.

PLUS

Our alternative ripper solution adapted for standard Caterpillar* ripper shanks.

MTG SYSTEMS
RIPMET ↗ p.26

MTG PLUS
↗ p.28

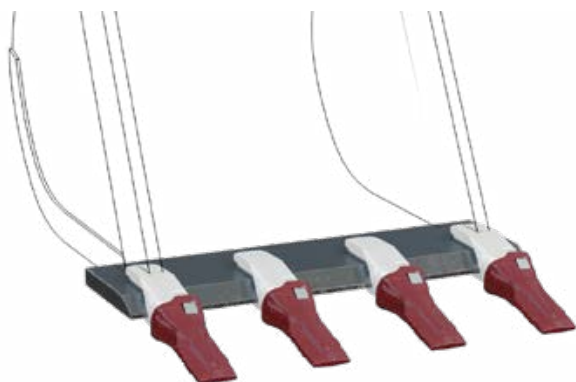
EXCAVATORS <15 T

MACHINE CLASS

Weight 1,5 - 15 t
BOF: 0 - 100 Kn

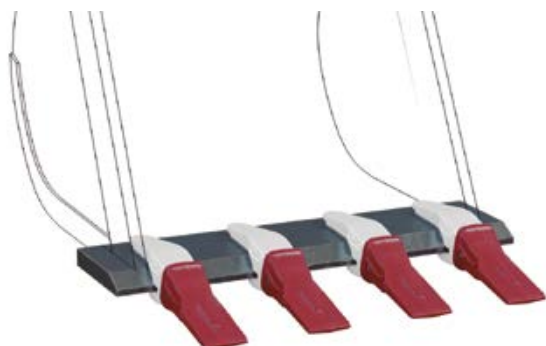
15

CONSTRUCTION — CONSTRUCTION & QUARRY SOLUTIONS



COMET

The most advanced and fully hammerless solution especially designed for small construction machines.



STARMET

Your choice for 10 to 15t excavators, based on a versatile tooth system with a lateral and hammerless locking.

MTG SYSTEMS

STARMET ↗ p.20 COMET ↗ p.24

mtgcorp.com

MINI LOADERS

MACHINE CLASS

Weight 1 - 20 t
BOF: 0 - 100 Kn

COMET

The most advanced and fully hammerless solution especially designed for small construction machines.

STARMET

Your choice for 10 to 20 t mini loaders, based on a versatile tooth system with a lateral and hammerless locking.

MTG SYSTEMS

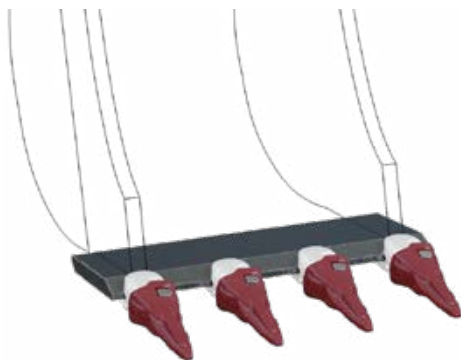
STARMET ↗ p.20 COMET ↗ p.24



BACKHOE LOADERS

MACHINE CLASS

Weight 1,5 - 15 t
BOF: 0 - 100 Kn



COMET

The most advanced and fully hammerless solution especially designed for small construction machines.



STARMET

Your choice for 10 to 15 t backhoe loaders, based on a versatile tooth system with a lateral and hammerless locking.

MTG SYSTEMS

STARMET ↗ p.20

COMET ↗ p.24

mtgcorp.com

NEW VEEMET TOOTH SYSTEM

Compatible
with



The new generation of tooth system with improved stability, optimized locking, and enhanced penetration.



Watch our 3D Video Animation!
NEW VEEMET SYSTEM



Benefits and Features



SHORT AND SAFE DOWNTIMES

An **optimized locking with reduced parts** allows a hammerless tooth **assembly in only 2 steps** providing an incomparable ease and safety to GET maintenance.



HIGHER PRODUCTIVITY

Longer grooves and slimmer teeth further improve the penetration capabilities of our **self-sharpening tooth designs** optimizing your digging efficiency and reducing costs.



LONGER MACHINE AVAILABILITY

The **V-shaped fitting** and the **optimized locking with reinforced pin** provide a better stability that reduces plastic deformation and maximizes wear life.



OPTIMAL PERFORMANCE

New and improved tooth designs have been added to the **wide product range** providing a suitable GET solution for all sorts of excavator and loader applications.



Find Your Excavator Tooth Design

VEEMET								
TOOTH DESIGN								
EXTRA (E)								
EXTRA VECTOR (EV)								
EXTRA X (EX)								
FLARED (F)								
PENETRATION ROCK (PR)								
UNIVERSAL (U)								
VECTOR (V)								
DOUBLE VECTOR (W)								
PENETRATION	●●○	●●○	●●○	●●○	●●○	●●○	●●●	●●●
ABRASION	●●○	●●○	●●●	●●○	●○○	●●○	●○○	●○○
IMPACT	●●○○	●●○○	●●○○	●●○○	●●●●	●●○○	●○○○	●●○○

Find Your Loader Tooth Design

VEEMET					
TOOTH DESIGN					
ABRASION (A)					
ABRASION VECTOR (AV)					
ABRASION X (AX)					
PENETRATION ROCK (PR)					
LONG (L)					
PENETRATION	●●○	●●●	●○○	●●○	●●○
ABRASION	●●○	●●○	●●●	●○○	●○○
IMPACT	●●○○	●○○○	●○○○	●●●●	●●○○

Choose Your Adapter



CENTRAL
(WC / WLD / WRD)



UNIVERSAL
(UC)



FLUSH
(FC)



CORNER
(WL / WR)

Additional Wear Protection



CENTRAL WEAR CAP
(M)



CORNER WEAR CAP
(ML)



BOTTOM WEAR PLATE
FOR CENTRAL ADAPTER
(HD)



BOTTOM & LATERAL WEAR
PLATE FOR CORNER ADAPTER
(HD-B / HD-L)

STARMET TOOTH SYSTEM



Our proven hammerless tooth-adapter system ensures increased productivity and maximum reliability for excavator and loader applications on construction sites and in quarries.

Benefits and Features



SHORT AND SAFE DOWNTIMES

Changeout of our teeth is fast and safe thanks to our **hammerless locking**. It is intuitive and easy to use and offers excellent retention thus preventing tooth loss.



HIGHER PRODUCTIVITY

Our **self-sharpening designs** offer a high level of penetration throughout their wear life, improving your machine's performance.



LONGER OPERATIONAL TIME

Due to the **optimal wear material ratio and wear distribution**, our GET last longer, reducing your operating costs.











OPTIMAL PERFORMANCE







Thanks to our **wide product range**, we are able to offer you a specific tooth design depending on the level of penetration, abrasion and impact required.



Find Your Excavator Tooth Design

STARMET								
TOOTH DESIGN	 COAL (C)	 EXTRA (E1)	 EXTRA X (EX)	 IMPACT (I)	 PENETRATION (P)	 UNIVERSAL (U)	 VECTOR (V)	 DOUBLE VECTOR (W)
PENETRATION	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●
ABRASION	●○○	●●●	●●●	●○○	●○○	●●●	●○○	●●●
IMPACT	●○○○	●●○○	●●○○	●●●●	●●●●	●●○○	●○○○	●●○○

Find your Loader Tooth Design

STARMET						
TOOTH DESIGN	 ABRASION (A)	 ABRASION X (AX)	 DELTA (D)	 HEAVY (H)	 IMPACT (I)	 LONG (L)
PENETRATION	●●●	●●●	●●●	●●●	●●●	●●●
ABRASION	●●●	●●●	●●●	●●●	●●●	●●●
IMPACT	●●○○	●○○○	●○○○	●○○○	●●●●	●●●●

Choose Your Adapter



CENTRAL
(WC / WLD / WRD)



UNIVERSAL
(UC)



FLUSH
(FC)



CORNER
(WL / WR)

Additional Wear Protection



CENTRAL WEAR CAPS
(M / M-A)



CORNER WEAR CAP
(ML)



**BOTTOM WEAR PLATE FOR
CENTRAL ADAPTER**
(HD)



**BOTTOM & LATERAL WEAR
PLATE FOR CORNER ADAPTER**
(HD-B / HD-L)

PROMET LIP & WING SHROUDS

Bucket protection solutions for tough construction applications with reliable hammerless lockings.

Benefits and Features



MAXIMUM RELIABILITY

Our premium steels made in Europe have proved **robustness and resistance**, even in the most demanding applications.



LONGER OPERATIONAL TIME

Due to the **optimal wear material ratio and wear distribution** of our protectors' designs, they last longer, reducing the operating costs.



SHORT AND SAFE DOWNTIMES

Our innovative and easy-to-use **hammerless lockings** enhance the safety and efficiency of your operations, with shorter downtimes.



INCREASED PRODUCTIVITY

The range of **self-sharpening** lip and wing shrouds boosts the bucket efficiency while the **optimal protection** increases its capacity volume.

Lip Shrouds for Excavators & Loaders

PROMET shrouds for plate lips are especially designed for excavator and loader applications and are available in central or left / right delta designs. Thanks to the hammerless PROMET III locking, the lip shrouds offer maximum reliability, are easy to install and facilitate change-outs to reduce machine downtime.





U Wing Shroud (30-60 mm)

The U wing shroud option is optimal for construction excavators and loaders with a bucket sidewall thickness of 1.2-2.4" / 30-60mm. It's reversible design with 70% wear ratio is ideal for applications that require good protection in combination with a good penetration. The locking system bases on 2 pairs of pin + retainer in combination with stabilizing weld-on stoppers.



UX Wing Shroud (60-140 mm)

The extremely robust design of the UX wing shroud is made for bigger construction and quarrying excavators working in applications with high levels of abrasion and impacts. It is suitable for bucket sidewall thicknesses of 2.4-5.5" / 60-140mm. It's locking system consists of 1 pair of pin + retainer and 2 stabilizing weld-on stoppers.



UX-S Wing Shroud (40-50 mm)

Especially designed for construction excavators and wheel loaders with operating weights of 50-60t and bucket sidewall thicknesses of 1.5-2" / 40-50mm, the UX-S wing shrouds provide maximum durability and reliability without the need to drill holes into the bucket sidewall. It's hammerless PROMET III locking system bases on a weld-on base and a locking block that are supported by stabilizing weld-on stoppers. This facilitates the installation and change-outs reducing machine downtime.



COMET TOOTH SYSTEM

100% hammerless



The most advanced and fully hammerless solution especially designed for small construction machines.

Benefits and Features



SHORT AND SAFE DOWNTIMES

Thanks to the **fully hammerless locking**, tooth change-outs are quick and safe in only **two easy assembly steps**. It is intuitive and an elastomer retainer with flap retention prevents tooth loss.



HIGHER PRODUCTIVITY

The **self-sharpening tooth designs** offer a high level of penetration throughout their wear life and the **reversible teeth** allow an even longer-lasting digging performance.



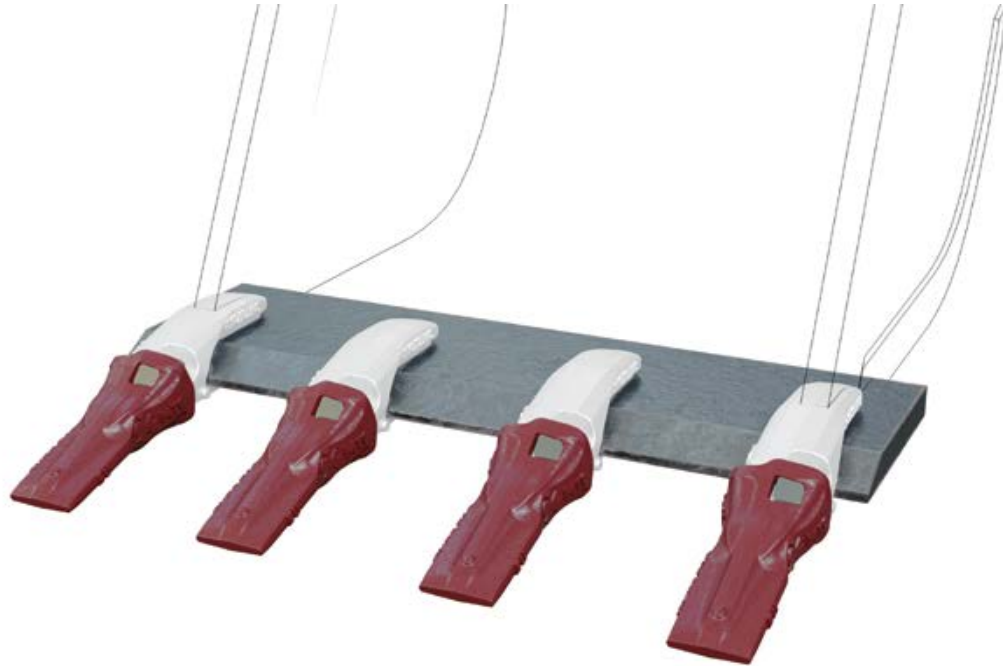
LONGER OPERATIONAL TIME

The system has been designed to **optimally protect adapter, locking and welding seams** from wear caused by material flow. This makes it more resistant and increases wear life.








MAXIMUM RELIABILITY

A **30% larger nose contact area** provides more tooth-adapter stability and results in less plastic deformation while also increasing the wear life of the adapter.



Watch our 3D Video Animation!
NEW COMET SYSTEM

Find Your Tooth Design

COMET					
TOOTH DESIGN	 FLARED (F)	 LONG (L)	 UNIVERSAL (U)	 VECTOR (V)	 DOUBLE VECTOR (W)
PENETRATION	●●○	●●○	●●○	●●●	●●●
ABRASION	●●○	●●○	●●○	●○○	●○○
IMPACT	●●○○	●●●○	●●○○	●○○○	●○○○

Choose Your Adapter



**CENTRAL
(WC)**



**UNIVERSAL
(UC)**



**FLUSH
(FC)**

OUR RIPPER SOLUTION



Optimum penetration and longer service life for your dozer in the most demanding ripping applications.

Benefits and Features



MAXIMUM RELIABILITY

Our steels are designed to withstand the highest level of mechanical stress. The low level of impurities and the specific heat treatment optimize the **hardness / toughness ratio**.



HIGHER PRODUCTIVITY

Our tooth profiles are **designed to keep sharp** throughout their wear life, guaranteeing the highest level of penetration in order to optimize your machine's performance.



LONGER OPERATIONAL TIME

Due to the **optimal wear material distribution**, our ripper boots last longer, reducing downtimes and operating costs.









SHORT AND SAFE DOWNTIMES

Changeout of our teeth and shank protectors is quick and safe thanks to their **hammerless locking system**. It is intuitive and easy to use and offers excellent retention, thus preventing their loss.



Find Your Tooth Design

RIPMET						
TOOTH DESIGN	 ABRASION (AX)	 IMPACT (II)	 PENETRATION (P)	 PENETRATION (PX)	 STANDARD (S)	 VECTOR (V)
PENETRATION	●○○	●●○	●●●	●●●	●●○	●●●
ABRASION	●●●	●●○	●●○	●●●	●●○	●●○
IMPACT	●●○○	●●●●	●●○○	●●○○	●○○○	●○○○

Choose Your Adapter

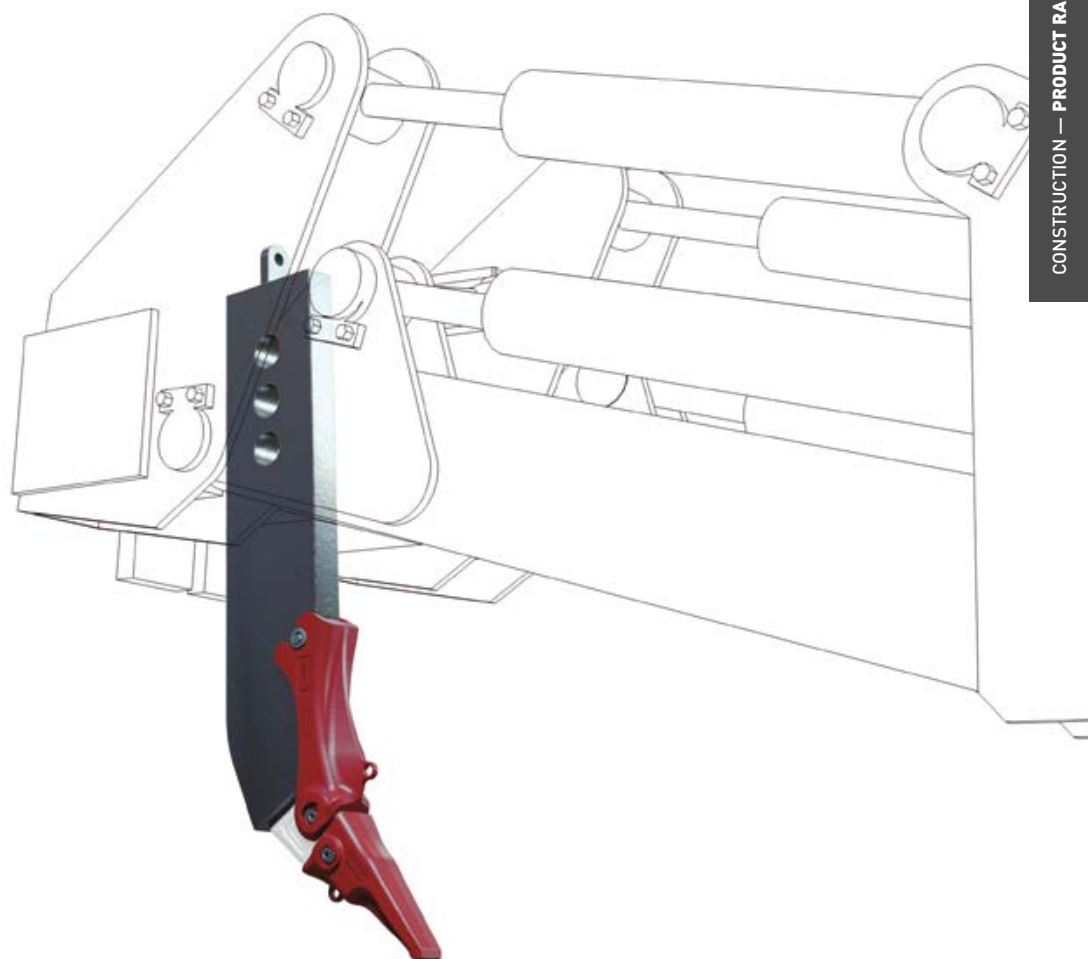
With the RIPMET adapter (WA) and the weld-on nose (WN), all sizes of dozer shanks can be equipped with MTG's ripper solutions either for first installment or maintenance purposes.



**WELD-ON ADAPTER
(WA)**



**WELD-ON NOSE
(WN)**





SIDE PIN HAMMERLESS / SIDE PIN

Our long lasting, self-sharpening tooth designs compatible with original Caterpillar® and Komatsu® adapters.



**SIDE PIN HAMMERLESS
CATERPILLAR®**



**SIDE PIN
CATERPILLAR® & KOMATSU®**



BOLT-ON LOADER SHROUDS

The bolt-on half-arrow lip shrouds are an alternative lip protection especially designed for construction loaders. They are available as Standard and Heavy-Duty version and suitable for central or delta left / right lip positions.



**CENTRAL
(BCX)**



**DELTA
(BLDX / BLRX)**



COMPLEMENTARY SHROUDS



WELD-ON LIP SHROUDS

Suitable for plate lip excavators with versions for central or delta left / right lip positions.



WELD-ON WING SHROUDS

Lateral weld-on protectors as standard or heavy-duty option for plate lip excavators and loaders.



WELD-ON HEEL SHROUDS

Complementary bucket protection for excavators and loaders as standard or heavy-duty version.



DIRECT REPLACEMENT FOR DOZER

Quick and safe replacements through an innovative locking system that provides excellent retention.



CATERPILLAR® RIPPER



MTG SYSTEMS / VEEMET

Country:

Spain

Abrasion level:

Medium

Terrain:

Dolomite Limestone

Impact level:

High

Machine

Brand:

VOLVO*

Model:

EC700CL

Machine type:

Excavator

Weight:

70 t

Bucket Configuration

VEEMET:

MV130V

1MV130WC80

4MV130M





Country:
Germany

Abrasion level:
High

Terrain:
Granite, Sand, Grit

Impact level:
High

Machine

Brand: **KOMATSU***
Model: **PC700**
Machine type: **Excavator**
Weight: **70 t**

Bucket Configuration

STARMET: **MA120EX**
1MA120WC90/M
PROMET (Lip): **4MX90L240-14A**
4MX90R240-14A
PROMET (Wing): **4MY50U600**
PLUS (Heel): **4MB300ULH**





Country:
Spain

Terrain:
Granite

Abrasion level:
High

Impact level:
High

Machine

Brand: **CATERPILLAR***
Model: **CAT385C**
Machine type: **Excavator**
Weight: **90 t**

Bucket Configuration

STARMET: **MA180E**
PROMET (Lip): **4MX190L240-14A**
4MX190R240-14A
PROMET (Wing): **4MY70U550X**





Country:
France

Abrasion level:
High

Terrain:
Gneiss Granite

Impact level:
Medium

Machine

Brand: **CATERPILLAR®**
Model: **992K**
Machine type: **Loader**
Weight: **105 t**

Bucket Configuration

STARMET: **MA120A**
1MA120WC70/M
4MA120HD-A
PLUS (Lip): **4MB70BCX-A**
4MB70BRDX-A
4MB70BLDX-A
PROMET (Wing): **4MY50U600**





Country:
Spain

Terrain:
Sand

Abrasion level:
High

Impact level:
Low



Testimonial video

Machine

Brand: **KOBELCO***
 Model: **SK85MSR**
 Machine type: **Excavator <15 t**
 Weight: **9 t**

Bucket Configuration

COMET: **M08U**
1M08UC
2M08P





MTG

No limits innovation



mtgcorp.com



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MTG Quality Certificates

