

EXCAVATORS

SYSTEMS
STARMET

SYSTEMS
PROMET

SYSTEMS
KINGMET



12 - 20 TON 21 - 40 TON 41 - 90 TON

312E L 320E L/N 349E L
314E L CR 329E L/L/N 374F L
318E L 336F L/L/N 390F L

PC138USLC - 10 PC210LC - 10 PC390LC - 11
PC170LC - 10 PC290LC - 10 PC490LC - 10 MH
PC390LC - 10 PC390LC - 10 PC800LC - 8 HM

ZX130LNC - 5 ZX210LC - 5 ZX470LC - 5
ZX180LC - 5 ZX290LC - 5 ZX670LC - 5
ZX180LC - 5 ZX380LC - 6 ZX870LC - 5

CAT[®]

KOMATSU[®]

HITACHI[®]

LOADERS

SYSTEMS
STARMET

SYSTEMS
PROMET

SYSTEMS
KINGMET



30 - 35 TON 45 - 55 TON 75 - 85 TON 95 - 110 TON

CAT[®] 980 CAT[®] 988 CAT[®] 990 CAT[®] 992
WA[®] 600 WA[®] 800 WA[®] 900 WA[®] 900
LT[®] - 950

SYSTEMS FOR CONSTRUCTION

SYSTEMS
STARMET

Tooth-adaptor hammerless locking system for construction and quarries, which provide maximum protection for excavator and loader buckets.

Sector	Sizes
Construction	15, 20, 30, 40
Heavy construction	50, 60



SYSTEMS
PROMET

Hammerless locking system for bucket protection. Includes the new range of wing and blade shrouds for buckets in excavators and loaders.



SYSTEMS
KINGMET

MTG system for light, medium and heavy construction.

Sector	Sizes
Light construction	5, 8, 10
Medium construction	15, 20, 30, 40
Heavy construction	55, 65, 80



EXCAVATORS AND LOADERS

ADVANTAGES OF THE SYSTEM

MTG SYSTEMS STARMET. PROVIDES INCREASED SAFETY, SAVINGS AND PRODUCTIVITY.

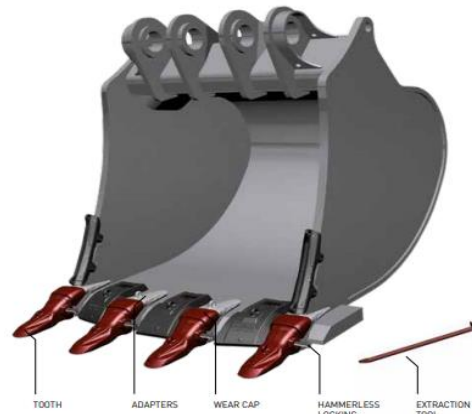
Increased Safety
MTG Systems StarMet includes the innovative MTGtwist tooth-adaptor locking solution, which provides:

- When changing teeth:**
- Safety. There is no chance of accidents being caused by flying metal particles.
 - Ease of use: less effort is needed to change teeth than when using a hammer.
 - Ease: only one operator is needed to complete the tooth change.

- When working:**
- Safer retention: tried and tested system offering excellent retention and preventing tooth loss.

- Longer wear life**
- Optimized tooth design means better penetration and more wear material.
 - Adapter designed to protect the weld, as well as bottom leg and lateral wear, increasing the wear life of the adapter.
 - Specific mechanical shroud for highly abrasive applications [size 40 onward]
 - Fitting system designed for optimal load distribution, obtaining maximum resistance and robustness.

- Greater savings and productivity**
- The penetrating and self-sharpening design of the tooth increases the machine's productivity.
 - Optimized adapter design reduces the number and duration of downtime, generating savings in maintenance downtimes thanks to long wear life.
 - The innovative MTGtwist hammerless locking solution makes assembly and disassembly easier, reducing your machine's downtime.
 - All our products are made with MTG Steels, lending them greater duration and less breakage.

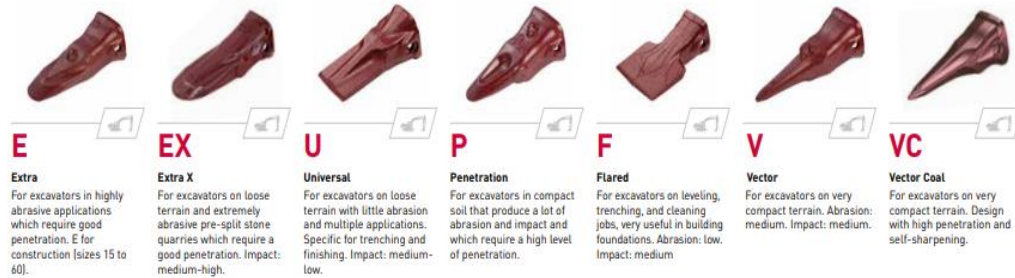


BILATERAL LOCKING SYSTEM

1. Hammerless conical pin for an easier extraction.
2. Standard shaped square hole.
3. MTGtwist retainer made of Elastomet and polyurethane.
4. Plug to prevent the square hole becoming filled with soil, saving cleaning time during disassembly.



▶ RANGE OF TEETH



E
Extra
For excavators in highly abrasive applications which require good penetration. E for construction (sizes 15 to 60).

EX
Extra X
For excavators on loose terrain and extremely abrasive pre-split stone quarries which require a good penetration. Impact: medium-high.

U
Universal
For excavators on loose terrain with little abrasion and multiple applications. Specific for trenching and finishing. Impact: medium-low.

P
Penetration
For excavators in compact soil that produce a lot of abrasion and impact and which require a high level of penetration.

F
Flared
For excavators on leveling, trenching, and cleaning jobs, very useful in building foundations. Abrasion: low. Impact: medium.

V
Vector
For excavators on very compact terrain. Abrasion: medium. Impact: medium.

VC
Vector Coal
For excavators on very compact terrain. Design with high penetration and self-sharpening.



W
Double Vector
For excavators on extremely compact terrain. Abrasion: low. Impact: high.

S
Standard
For excavators on loose, low-abrasion terrain which requires good penetration. Especially indicated for work in changing conditions and

I
Impact
For excavators and loaders on low-abrasion terrain with a high level of impact. Especially indicated for quarries and

A
Abrasion
For loaders on particularly abrasive loose terrain and pre-exploded stone quarries where a high penetration is

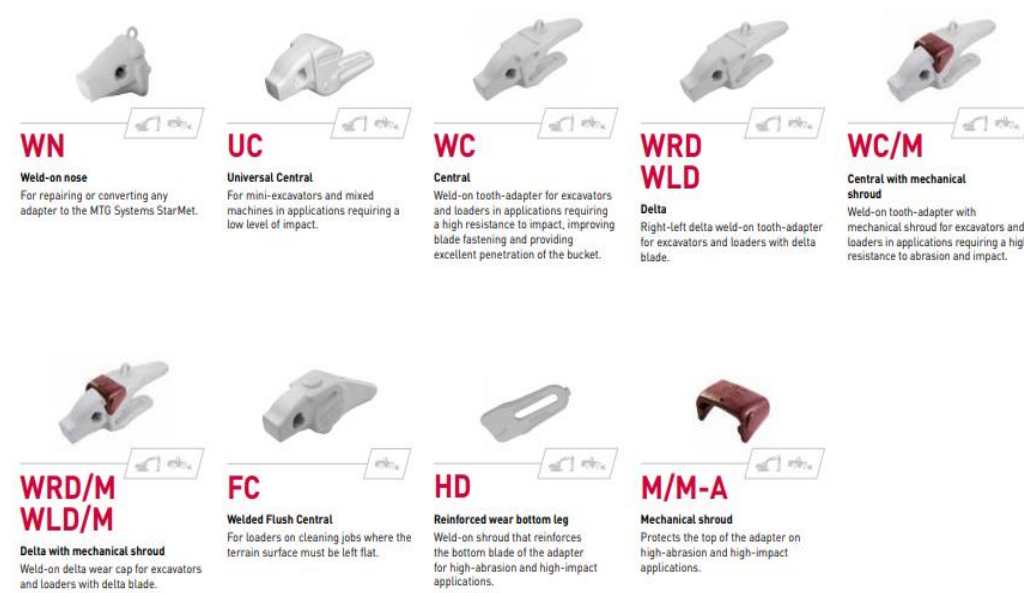
AX
Abrasion X
For loaders on applications with an extreme level of abrasion.

L
Long
For loaders on loose terrain or pre-split stone quarries where there is not a high level of abrasion. For cleaning jobs, we

D
Delta
For loaders on compact terrain which require a lot of penetration and high level of protection from abrasion.

H
Heavy
For loaders on loose terrain where there is a high level of abrasion. Facilitates loading the material due to the width of the

▶ RANGE OF ADAPTERS AND SHROUDS



WN
Weld-on nose
For repairing or converting any adapter to the MTG Systems StarMet.

UC
Universal Central
For mini-excavators and mixed machines in applications requiring a low level of impact.

WC
Central
Weld-on tooth-adapter for excavators and loaders in applications requiring a high resistance to impact, improving blade fastening and providing excellent penetration of the bucket.

WRD WLD
Delta
Right-left delta weld-on tooth-adapter for excavators and loaders with delta blade.

WC/M
Central with mechanical shroud
Weld-on tooth-adapter with mechanical shroud for excavators and loaders in applications requiring a high resistance to abrasion and impact.

WRD/M WLD/M
Delta with mechanical shroud
Weld-on delta wear cap for excavators and loaders with delta blade.

FC
Welded Flush Central
For loaders on cleaning jobs where the terrain surface must be left flat.

HD
Reinforced wear bottom leg
Weld-on shroud that reinforces the bottom blade of the adapter for high-abrasion and high-impact applications.

M/M-A
Mechanical shroud
Protects the top of the adapter on high-abrasion and high-impact applications.

▶ ADVANTAGES OF THE SYSTEM

MTG SYSTEMS KINGMET. ROBUST AND RESISTANT TEETH AND ADAPTER SYSTEM.

The teeth will operate without breaking, thanks to the robust and resistant tooth-adapter system. The elliptical shape of the nose increases the contact surfaces between the tooth and adapter for a better distribution of stresses, increasing the wear life of the adapter and the resistance to all types of forces.

Faster and easier tooth changing

The locking system is comprised of a vertical pin that reduces any possible side interferences. The vertical pin is made up of two parts:

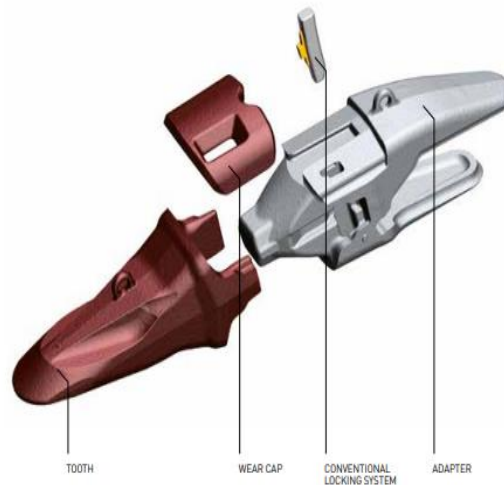
- The body of the pin, made of the highest-quality steel in order to give it optimal resistance and make reuse possible.
- The retainer, which is made of two components united as a single piece: Elastomet, which gives it elasticity and flexibility, and compact polyurethane.
- The combination of a resistant, reusable body and an elastic, flexible pin provides great ease of assembly and, in turn, the maximum reliability and guarantee in the proper operation of the MTG Systems KingMet fixing system.

Teeth with a longer service life

Long lasting and extended performance thanks to the good quality wear material and because they are built using steels by MTG Steels, which last longer and break less often. Since it is housed in the adapter, the pin is completely protected from wear and impacts thus enhancing the longevity of the locking system.

Teeth remain always sharp

Improved bucket penetration. The specially designed fitting profile offers an excellent penetration throughout the service life of the tooth.



▶ ADVANTAGES OF THE SYSTEM

MTG SYSTEMS PROMET. COMPLETE PROTECTION FOR THE BUCKET.

Longer wear life, safety, reliability and productivity

Wing shrouds

- Offer a wide range of reversible wing shrouds, which allow exchanging its position in order to achieve a complete wear of the part, and extends its service life. Wear material ratio above 70%.
- Protect the sides of the bucket from exposure to impacts and abrasions, increasing the bucket's life.
- Complete range, for wing thicknesses between 30 and 60mm.
- MTGtwist hammerless system: safe and reliable locking system.
- Its sharpness and lightness increase penetration of the bucket, thus improving machine productivity.

Lip Shrouds

- Customized designs, for the purpose of offering up to 30% more wear material as compared to the equivalent model on the market.
- Reduce the exposure of the blade to impacts and abrasion, increasing the useful life of the bucket.
- The front of the shroud contains between 10% and 20% more steel.
- The fitting system only requires welding a base for each shroud, thus making installation easy and quick while reducing machine downtimes.
- Customized design for the locking system, improving wear parts contact and stability.



PROMET LATERAL LOCKING SYSTEM

1. Weldable bases.
2. MTGtwist hammerless pin.
3. MTGtwist retainer made of Elastomet and polyurethane.
4. Plug to prevent the square hole becoming filled with soil, saving cleaning time during disassembly.



PROMET BLADE LOCKING SYSTEM

1. Only one weldable base required.
2. Mechanical locking block.
3. MTGtwist retainer made of Elastomet and polyurethane.
4. MTGtwist hammerless pin.
5. Plug to prevent the square hole becoming filled with soil, saving cleaning time during disassembly.

▶ ADVANTAGES OF THE SYSTEM

MTG PLUS AND OTHER DESIGNS ADAPTABLE TO THE MOST COMMON SYSTEMS ON THE MARKET.

MTG, apart from offering the most innovative patented product solutions, offers a wide range of innovative tooth, locking devices and shrouds designs that can be adapted to the most common systems on the market.

Longer wear life, productivity and penetration

- Made of MTG Steels. Since they are **built using MTG Steels**, which are one of the **most technologically advanced on the market**, they provide a longer service life of the wear parts, which break less often.
- MTG offers a design for each application. **Increased machine productivity**, thanks to the greater penetration and service life of the tooth due to the optimization of its wear material.
- The non-patented MTG Plus product line offers a customized tooth that is adaptable to the most popular systems on the market with the **MTGtwist hammerless locking solution**.

Safety, comfort and ease

- When replacing teeth: **safety, comfort and ease**.
- When operating: **increased safety in the retention**; applicable to current adapters, without additional costs; reuse of the pin.

Details of the MTG Plus product lines adaptable to other systems on the market:

- MTG Plus adaptable to Caterpillar[®] side pin
- MTG Plus adaptable to Caterpillar[®] Ripper
- MTG Plus adaptable to Komatsu[®] Ripper
- MTG Plus shrouds
- MTG Plus adaptable to H&L[®]

