

EXCAVATORS

SYSTEMS
TWINMET STARMET PROMET



100 - 120 TON

CAT[®] 6015
RH[®] 40
EX[®] 1200 - 6
PC[®] 1250

170 - 200 TON

CAT[®] 6015
CAT[®] 6018
RH[®] 90
EX[®] 1900 - 6
PC[®] 2000

280 - 350 TON

CAT[®] 6030
RH[®] 120
EX[®] 2600 - 6
EX[®] 3600

OVER 350 TON

EX[®] 5500
CAT[®] 6050
CAT[®] 6060
RH[®] 200
RH[®] 340
PC[®] 5500

LOADERS

SYSTEMS
STARMET PROMET



95 - 110 TON

CAT[®] 992
WA[®] 800
WA[®] 900
LT[®] - 950

130 - 145 TON

CAT[®] 993
LT[®] - 1150

180 - 220 TON

CAT[®] 994
WA[®] 1200
LT[®] - 1350

240 - 250 TON

LT[®] - 1850
LT[®] - 2350

ELECTRIC ROPE SHOVELS

SYSTEMS
STARMET ROPE SHOVELS



P&H[®] 2800

CAT[®] 7395 (BE395)

P&H[®] 4100
CAT[®] 7495 (BE495)

|| See note at the end of the catalog.

BULLDOZERS

SYSTEMS
RIPMET



SIZE 45

CATERPILLAR[®]
D8T
KOMATSU[®]
D155AX - 5B

SIZE 50

CATERPILLAR[®]
D10R
KOMATSU[®]
D375A - 5

SIZE 55

CATERPILLAR[®]
D11N
KOMATSU[®]
D475A - 5

UNDERGROUND MINING LOADERS

PLUS
LHD LIP SYSTEM



LHD LOADERS

CATERPILLAR[®]
R1300, R1600, R1700
SANDVIK[®]
LH307 AND LH410

JOY GLOBAL[®]
LT1050
ATLAS COPCO[®]
ST10, ST14, ST1510

NOTE: Examples of the most common machines.

|| See note at the end of the catalog.

NEW MTG SYSTEMS TWINMET

PROTECTION FOR HYDRAULIC EXCAVATORS AND DRAGLINES OVER 350 TON

MTG Systems TwinMet is an innovative three-part system (tooth - intermediate adapter - nose) for large mining machines.

MACHINE MODELS



OVER 350 TON

EX[®] 5500
CAT[®] 6050
CAT[®] 6060
RH[®] 200
RH[®] 340
PC[®] 5500

|| See note at the end of the catalog.

ADVANTAGES OF THE SYSTEM

MTG SYSTEMS TWINMET. ROBUSTNESS, RELIABILITY AND OPTIMIZATION.

Strength

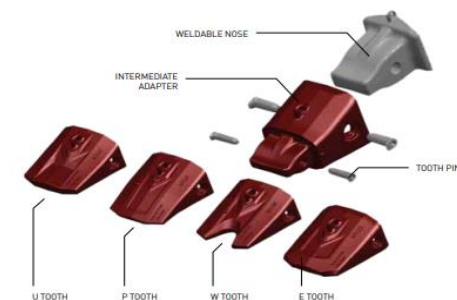
- Reinforced nose design that provides greater robustness to the system. Greater resistance in areas of maximum tension.
- The large stabilization surfaces improve contact between pieces, reducing possible effort between them.
- The fitting system is designed to reduce the load and traction effort that could arise.

Reliability

- Horizontal stabilization in the multiple axes which allow increased reliability of the entire system.
- Optimal adjustment between pieces, improving reliability and reducing their wear.

Optimization

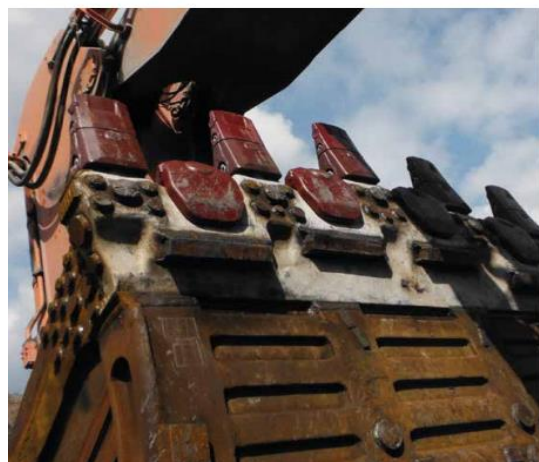
- Optimum tooth box design that allows an increased wear material ratio.
- Reversible system. It is possible to rotate the pieces if deemed necessary.
- Specific tooth design for hydraulic excavators over 350 Tn that offer high penetration.



MTGTWIST HAMMERLESS LOCKING SYSTEM



- Lateral pins to attach the adapter to the nose.
- Lateral pins to attach the tooth to the intermediate adapter.



▶ COMPLETE BUCKET PROTECTION FOR EXCAVATORS

MTG Systems StarMet teeth and adapters and MTG Systems ProMet shrouds that offer a complete hammerless protection for buckets for a wide range of mining machinery.



MTG Systems StarMet and ProMet, complete bucket protection.

▶ COMPLETE BUCKET PROTECTION FOR LOADERS

MTG Systems StarMet and MTG Systems ProMet product range specifically designed to protect loading machinery; specific designs on shrouds, exclusive teeth for maximizing the mineral load, etc.



MTG Systems StarMet and ProMet, complete bucket protection.

▶ ADVANTAGES OF THE SYSTEM

MTG SYSTEMS STARMET. INCREASED SAFETY, LONGER SERVICE LIFE, GREATER SAVINGS AND HIGHER PRODUCTIVITY.

Increased safety

MTG Systems StarMet includes the MTGtwist tooth-adapter locking solution, which provides:

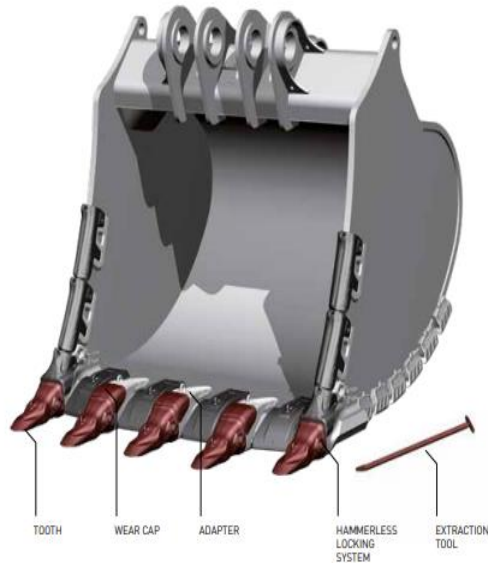
- **Safety.** There is no chance of accidents being caused by flying metal particles.
- **Comfort.** Less effort is required when replacing teeth as compared to when a hammer is used.
- **Ease.** Only one operator is needed to replace the tooth.
- **Greater safety in the locking.** Tested system that offers an excellent retention and prevents tooth loss.

Longer wear life

- **Teeth.** Optimized design with better penetration, self-sharpening and higher ratio of wear material.
- **Adapters.** Designed to protect the weld and the legs from the lower and lateral wear and tear, increasing the wear life of the adapter.
- **Fitting System.** Designed to provide an optimal distribution of the forces, thus obtaining the maximum resistance and robustness.
- **Locking system.** Reuse of the pin. In normal working conditions, the pin can be reused at least twice.

Greater savings and higher productivity

- **Teeth.** The penetrating design of the tooth increases the machine's productivity.
- **Adapter.** The optimized design and its long wear life reduces the amount and length of stops, generating savings in maintenance downtimes.
- **MTGtwist locking system.** The MTGtwist hammerless locking solution facilitates the assembly and disassembly, reducing your machine's downtime.
- **Wear parts manufactured using MTG Steels.** They last longer and break less.



MTGTWIST LATERAL 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.

LATES MTG SYSTEMS STARMET RELEASES.



M-A Design. Mechanical shroud.



Designs WL/LWR. Asymmetrical Cast Corner adapters.



HD-A Design. Reinforced wear bottom leg shroud.



New mechanical shroud for extreme and high impact applications

For sizes 120-500, the top zone and the radius of the workpiece have been reinforced, providing more wear material, and ensuring maximum strength and protection for the adapter.

MTG Systems StarMet Asymmetrical Cast Corner adapters

Specially designed to withstand the toughest working conditions. Available in sizes 240 and 500. With the launching of this product MTG completes its range of StarMet side adapters for working in all types of applications.

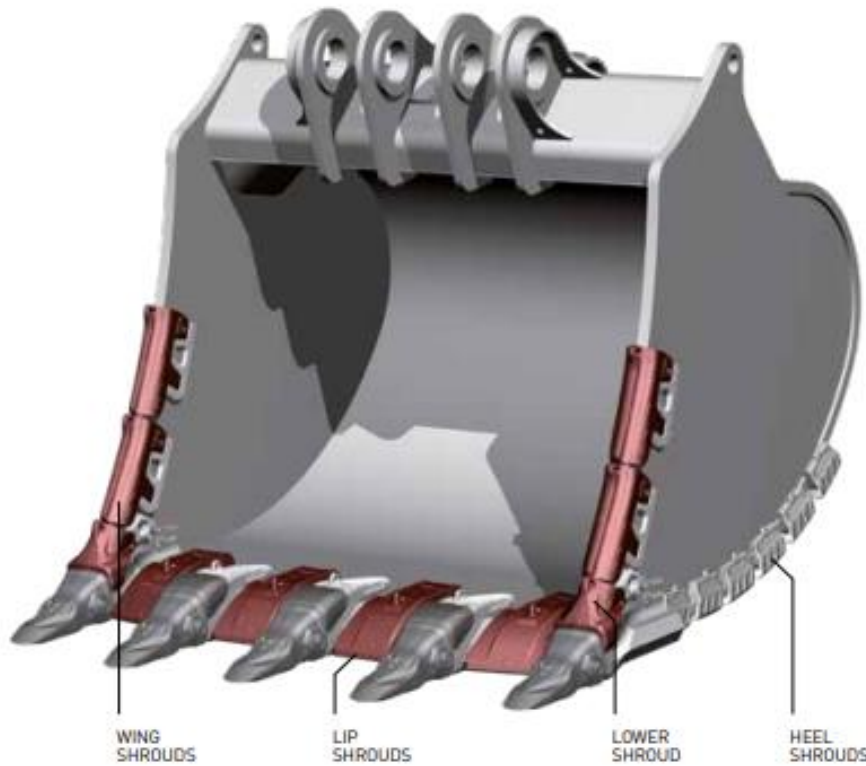
Reinforced wear bottom leg shrouds

Specially designed to extend the service life of the adapter in abrasive applications. Available in StarMet adapter sizes 120, 180, 240 and 500.

Side straddle adapter

Scissor-type size 180 StarMet adapter for bucket edges with a 100 mm blade thickness. The scissor-type adapters allow quick, reliable installation without





MTG SYSTEMS PROMET. COMPLETE RANGE OF SHROUDS FOR MINING MACHINERY.

Wing shrouds for Heavy Mining applications specially designed for excavators and loaders.



Wing shrouds for Heavy Mining applications.



Blade shrouds for loaders.



Blade shrouds for excavators.



PROMET LATERAL LOCKING SYSTEM

1. Wing shroud.
2. Weld-on base for stabilization (one each side).
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.



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.