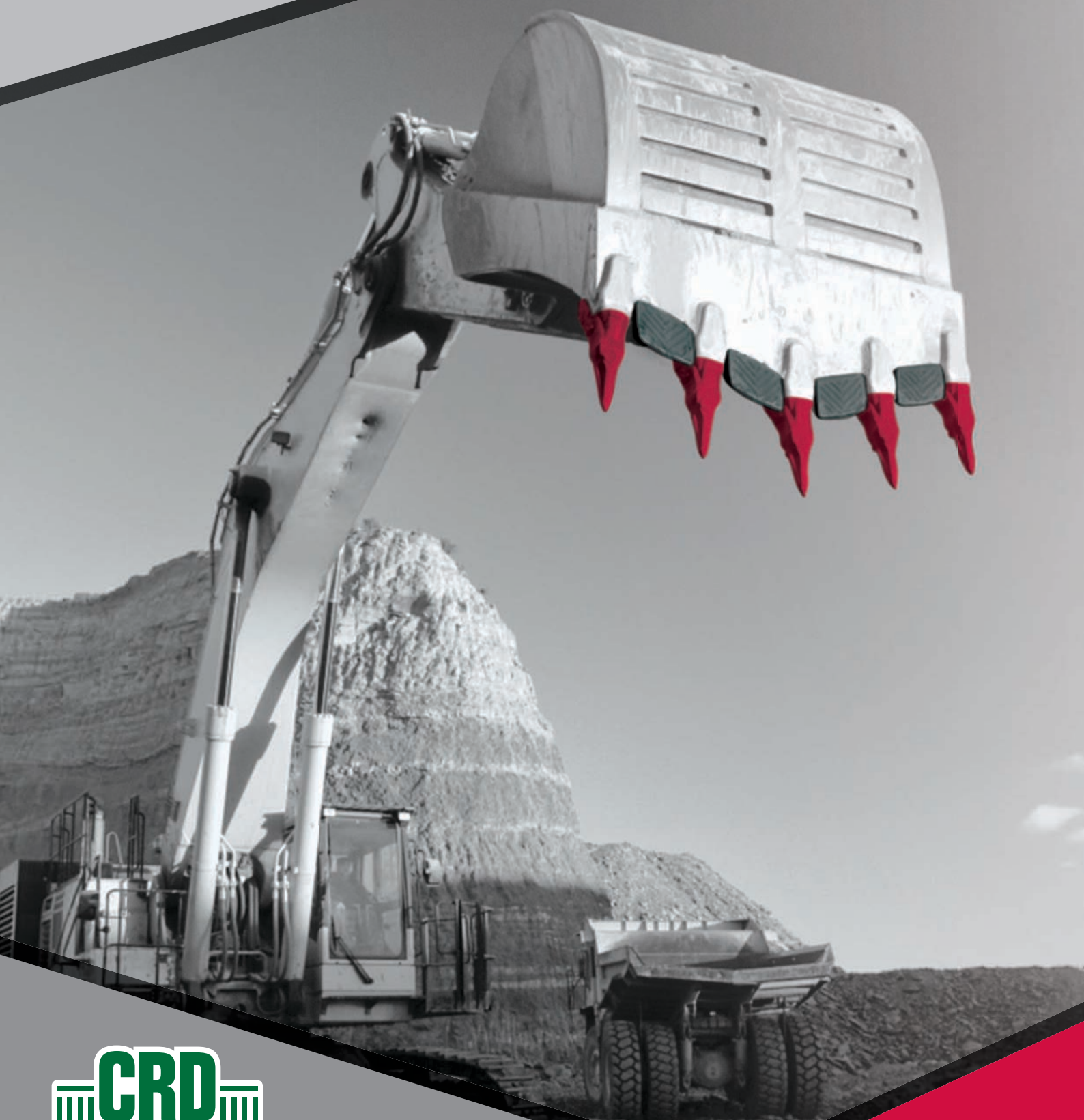


# CONSTRUCTION



**MTG**

No limits innovation



[www.creightonrock.com](http://www.creightonrock.com)

[www.mtg.es](http://www.mtg.es)



## Objective

To supply construction machinery with efficient, safe and resistant bucket protection systems, extending the wear life and providing maximum performance to the machine in multiple soils.



### Savings

The combination of teeth with a self-sharpening design and a stable and robust locking system ensure a better penetration of the bucket and a lower consumption is achieved by the machine.



### Safety

MTG Systems incorporate the MTGtwist hammerless locking system that provides safety in the fitting and an excellent retention, preventing breakages and minimizing the risk of accidents.



### Productivity

The tooth, adapter, shroud assembly ensure maximum productivity thanks to its stability and comprehensive design, lengthening the wear life of the system in all soils: loose, compact and pre-blown stone quarries.



No limits innovation

## EXAMPLES OF EXCAVATORS

12 - 20 TON	21 - 40 TON	41 - 90 TON	
312E L 314E L CR 318E L	320E L/N 329E L/LN 336F L/LN	349E L 374F L 390F L	CAT*
PC138USLC - 10 PC170LC - 10	PC210LC - 10 PC290LC - 10 PC390LC - 10	PC390LC - 11 PC490LC - 10 MH PC800LC - 8 HM	KOMATSU*
ZX130LNC-5 ZX160LC - 5 ZX180LC - 5	ZX210LC-5 ZX290LC-5 ZX380LC - 6	ZX470LC - 5 ZX670LC - 5 ZX870LC - 5	HITACHI*



## EXAMPLES OF LOADERS

30 - 35 TON	45 - 55 TON	75 - 85 TON
CAT*980	CAT*988 WA*600	CAT*990



## SYSTEMS FOR EXCAVATORS AND LOADERS IN CONSTRUCTION



Innovative tooth-adapter hammerless locking system for construction, quarries, which provide maximum protection for excavator/loader buckets.



Innovative hammerless locking system for bucket protection. Includes the new range of wing and blade shrouds for excavator and loader buckets.



A broad range of innovative designs for teeth, locking devices, and shrouds which are adaptable to the most common systems on the market.

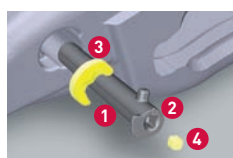
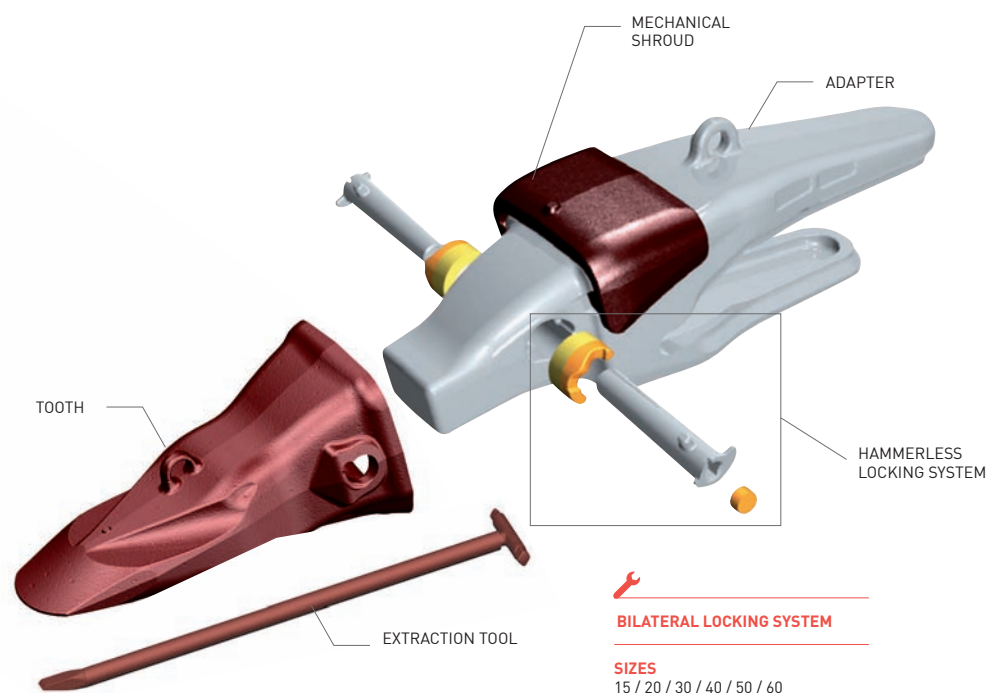






## MTG SYSTEMS STARMET

Innovative tooth-adapter hammerless locking system for construction, quarries, which provide maximum protection for excavator/loader buckets.



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.

- **Quick, easy and safe replacement of the teeth.** Less machine downtimes and greater safety for the operator. There is no chance of accidents being caused by flying metal particles.
- **The hammerless MTGtwist locking system offers an excellent retention,** preventing the loss of its teeth. Since it is housed in the adapter, the pin is completely protected from wear and impacts thus enhancing the longevity of the locking system.
- With MTG Systems StarMet teeth sizes 20 to 60, the locking system allows the pin and the retainer to be mounted on either side of the adapter (only one pin and one retainer are required per kit).
- **Designs that offer improved penetration,** with self-sharpening and more wear material that allows increasing the productivity of the machine.



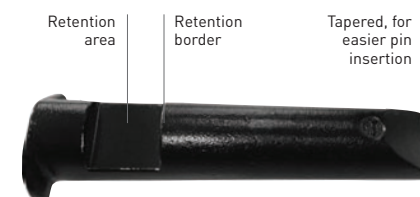
### Adapters:

- **Designs that protect the bucket's welds,** as well as the lateral and bucket blade wear, thus extending the wear life of the adapter.
- **The optimized design and its long wear life reduces the amount and length of stops,** generating savings in maintenance downtimes.

### STARMET LOCKING SYSTEM FOR HIGH TEMPERATURE APPLICATIONS

MTG Systems StarMet includes a **metallic locking system** for hot slag applications.

- **Exclusive design of the pin** and the metallic retainer.
- **Compatible** with MTG Systems StarMet teeth and adapters.
- **Does not require replacing** the tooth or adapter.



## WEAR BOTTOM LEG SHROUD FOR STARMET ADAPTERS



**Wear bottom leg shroud** for StarMet adapters in construction sizes 50 and 60. Lengthens the life of adapters in abrasive applications.

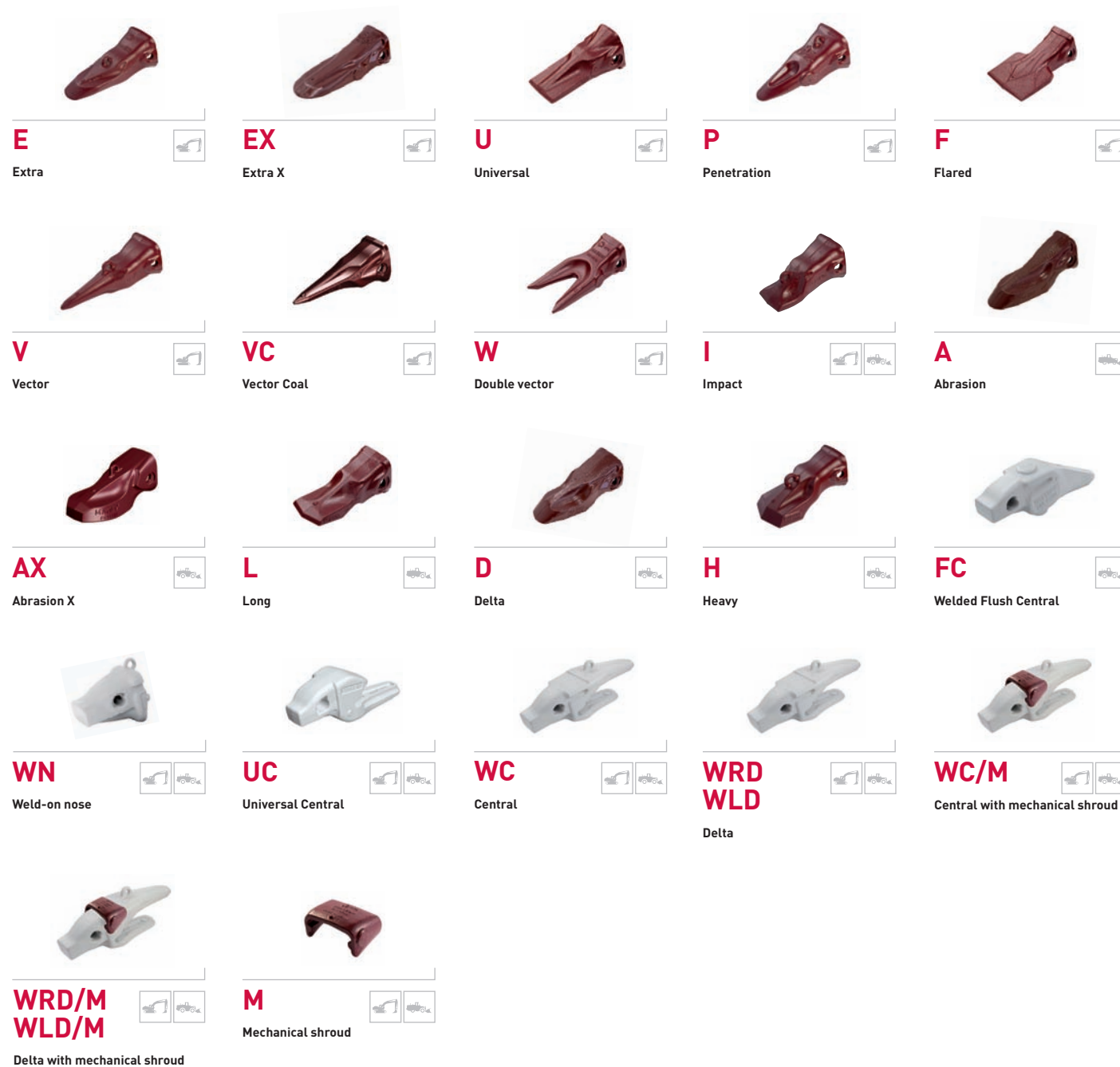
- **Protects** the bottom leg of the adapter and its welded area.
- **With a specific welding area** that allows easy and quick assembling with minimum heat damage to the adapter.
- **Reduces machinery downtimes** related to G.E.T.



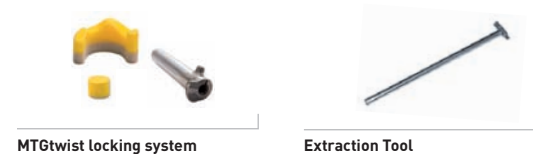




## RANGE OF TEETH, ADAPTERS AND SHROUDS



## ACCESSORIES



## TESTIMONIALS

Maximum resistance and durability at extreme temperatures



**Machine:** Loader CAT\*980.  
**Terrain:** Hot slag application.  
**Location:** Spain.



**Results:** Maximum resistance and duration in extreme temperatures with MTG Systems StarMet for hot slag. \*\*

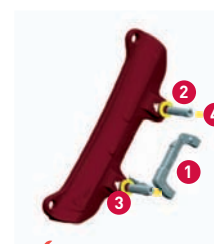
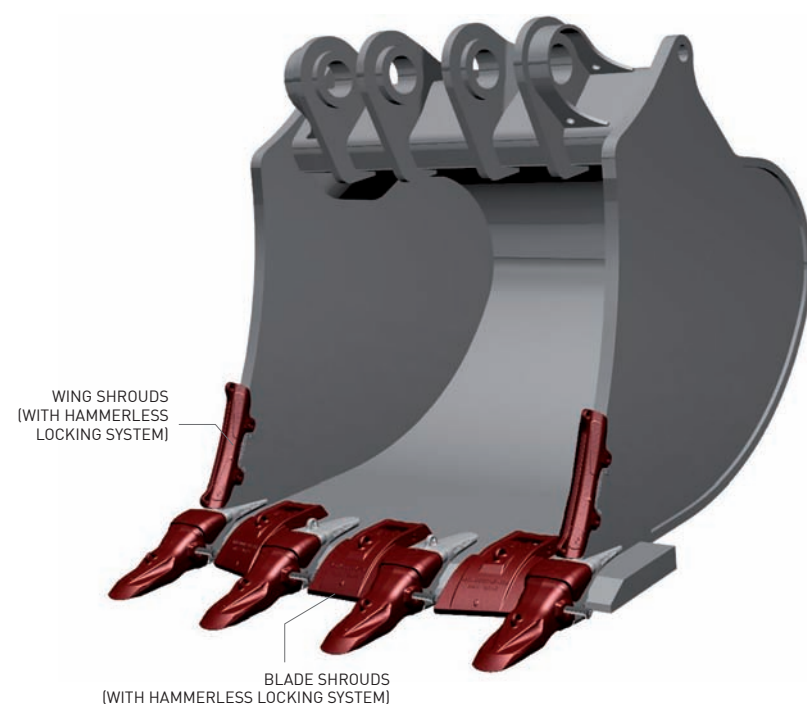






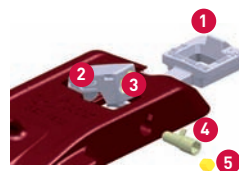
## MTG SYSTEMS PROMET

Hammerless locking system for bucket protection in the construction industry. The new ProMet range of shrouds are included, as well as the most common MTG Plus weldable and bolt-on shrouds.



### PROMET LATERAL LOCKING SYSTEM

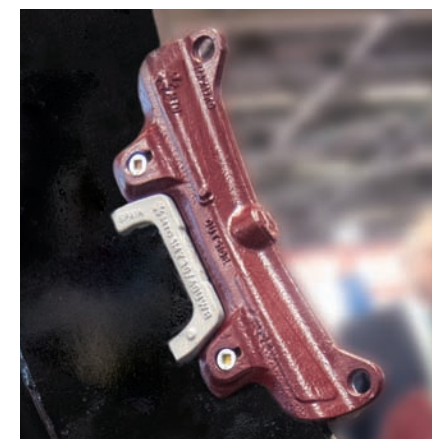
1. Weld-on bases.
2. MTGtwist hammerless pin.
3. MTGtwist retainer made of Elastomet and polyurethane.
4. Plug to prevent the square hole becoming filled with soil, saving cleaning time during disassembly.



### PROMET BLADE LOCKING SYSTEM

1. Weld-on base (only one 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.

- Offers 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 wear life.
- Protects the sides of the bucket from exposure to impacts and abrasions, increasing the bucket's wear life.
- Complete range, for wing thicknesses between 30 and 60 mm.
- MTGtwist hammerless system.
- Wear material index above 70%.
- Its sharpness and lightness increase penetration of the bucket, thus improving machine productivity.
- Complete wear of the shrouds is achieved, prolonging wear life.



## SAFE AND RELIABLE LOCKING SYSTEMS



## IMPROVED BUCKET PENETRATION







## PROMET RANGE OF LATERAL SHROUDS



**U**

**New wing shroud**

For excavators and loaders with 30-60mm wings. For abrasive applications with a medium high impact level.



**LA**

**Lateral Asymmetrical**

For excavators and loaders. The LA design allows for a greater increase in bucket capacity. For 30-50 mm and 60-80 mm wings.



**LS**

**Lateral Symmetrical**

For excavators and loaders. The LS design offers excellent impact resistance.



## ACCESSORIES



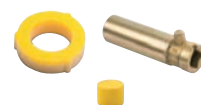
**WBL**

**Weldable base for ProMet LA/LS lateral shrouds**



**UWB**

**Weldable base for ProMet U lateral shrouds**



**MTGtwist locking system**



**Extraction Tool**



**WBL-A**

**Weldable base for ProMet blade shrouds**



**MB-A**

**Mechanical block**



**MTGtwist locking system**

## OTHER SHROUDS



**BC-A/BCX-A/  
BLD-A/BLDX-A/  
BRD-A/BRDX-A**

**Bolt-on blade shrouds**

Bolt-on half arrow blade shrouds for Caterpillar\* loaders which work on abrasive applications.



**UC/URD/ULD**

**Welded blade shrouds**

Welded blade shrouds for excavators in multiple applications. Range which covers blade thicknesses of 40 mm to 120 mm.



**UL/ULX**

**Wing shrouds**

For excavators. Provide excellent penetration for the bucket wing.



**ULH/ULHX**

**Wing shrouds**

Protect the corner of the bucket and adapt to its curvature. Range that covers excavators from 20 to 300 tons.



## TESTIMONIALS

**MTG, the best protection systems for bucket**



**Machine:** Excavator (70 ton).  
**Terrain:** Quarry.  
**Location:** France.



**Results:** Increase of the duration and ease of assembling-disassembling with MTG Systems Promet hammerless shrouds for construction. \*\*



Visit our website [www.mtg.es](http://www.mtg.es) and our iPad app **MTG Pro** and configure your machine.





## PROMET RANGE OF LATERAL SHROUDS



**U**

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For excavators and loaders. The LA design allows for a greater increase in bucket capacity. For 30-50 mm and 60-80 mm wings.



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For excavators. Provide excellent penetration for the bucket wing.



**ULH/ULHX**

### Wing shrouds

Protect the corner of the bucket and adapt to its curvature. Range that covers excavators from 20 to 300 tons.





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