

A close-up photograph of a heavy-duty excavator bucket, showing several rows of sharp, green-painted teeth. The teeth are heavily worn and covered in dark, muddy residue. The bucket's metal surface is also visible, showing rivets and a textured pattern. The background is a dark, rocky aggregate.

WEHR

ESCO

Ultralok® Tooth System
For Construction and
Aggregate Applications

Ultralok® tooth system – engineered to outlast

ESCO is the leader in high-performance tooth systems for the earthmoving industry. The cost-efficient, low profile Ultralok tooth system performs in a full range of machine applications. The integrated lock makes it a true two-piece system, reducing inventory over traditional three-piece systems.

Ultralok – simple, easy and safer

- Integrated lock means no pins to order, lose or mismatch
- Points are easily installed and removed with a simple pry tool
- Minimal downtime between replacements
- Hammerless and safer
- Fast field replacements – just click and dig



Lock integrated into point

Visit the Ultralok website

<https://esco-ultralok.weir/>

Excellent customer value

Using the Ultralok system results in increased productivity with less maintenance

- A better operating cost position and increased profits
- Greater success in obtaining job bids while maintaining profitability
- Reliability provides more machine uptime to complete jobs on time



A pry tool is used to lock and unlock the point to the adapter.

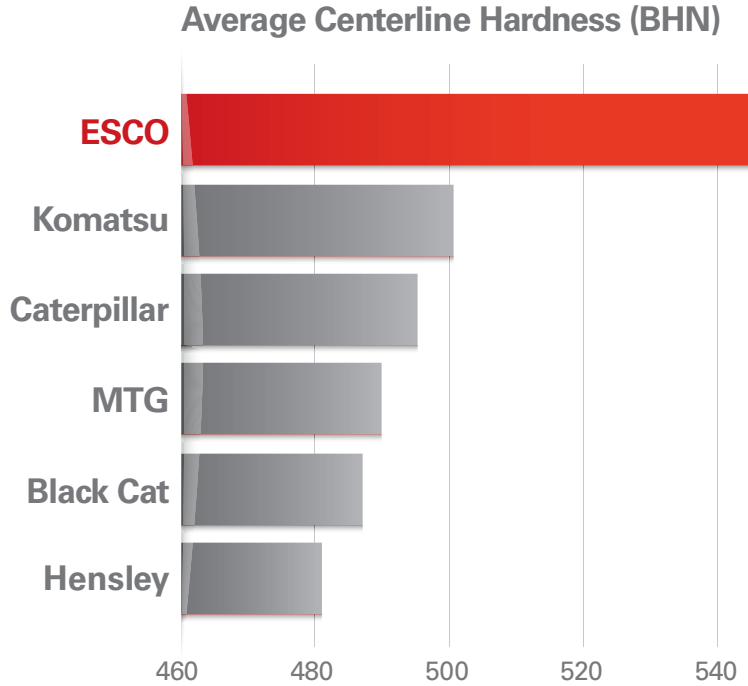
ESCO® is the top choice for premium quality cast steels

An independent metallurgical testing lab has confirmed the superior hardness of ESCO alloys

The Intertek Laboratory Testing Services with over 130 years experience conducted independent testing on ESCO Ultralok teeth and teeth from Caterpillar® Advansys™, Hensley®, Komatsu®, MTG® and Black Cat®.

Key findings from independent hardness testing:

- ESCO Ultralok teeth had the most consistent hardness across the centerline with no variation over the total length of the tooth
- Only ESCO Ultralok teeth measured over 530 BHN across the entire centerline of every tooth
- ESCO Ultralok teeth ranked highest in average centerline hardness
- Other systems logged hardness as low as 461 BHN



The Ultralok® tooth wear metal advantage

Longer wear life than competitive systems

In addition to alloy quality, enhanced tooth profiles contribute to performance. Profiles may be similar but the real value is useable wear metal. ESCO provides more wear metal, cast in superior alloys to out-wear the competition. Ultralok teeth are up to 9.5% harder with up to 25% more wear metal which can provide up to 55% longer wear life than competitive teeth.

UP TO 55%
Longer Wear Life



Ultralok® U55H
33.2 lbs. blade weight
(64.0% of total weight)

Advansys™ 368-3791 A130
26.5 lbs. blade weight
(47.3% of total weight)



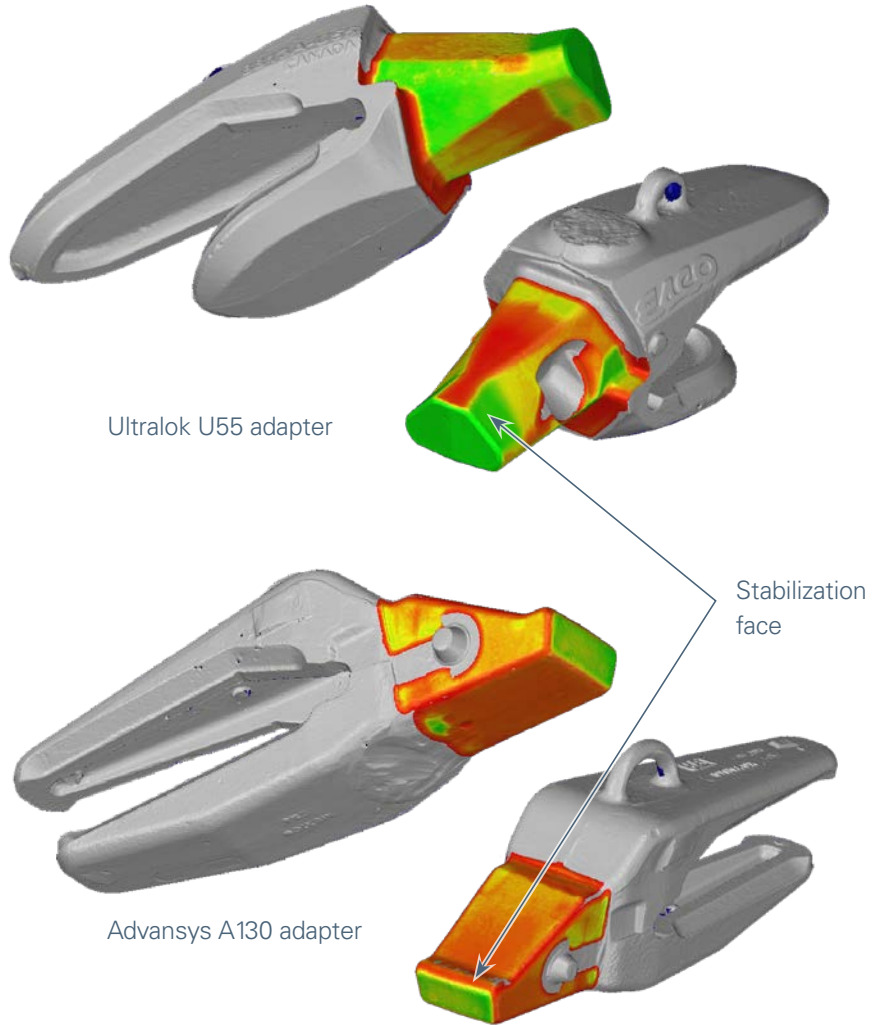
Ultralok® tooth system – engineered to be reliable

Ultralok system provides reliability from increased stabilization and secure locking

The Ultralok adapter nose is engineered with multiple stabilization surfaces that withstand forces and impacts in every direction. The superior fit delivers better resistance to impact and premature breakage, reducing possible tooth loss.

The Caterpillar® Advansys' point-to-adapter fit gaps are over 3 times larger than that of the Ultralok system. This looser fit can lead to accelerated nose wear.

In the images on the right, green represents a tight fit, while red indicates a looser fit.

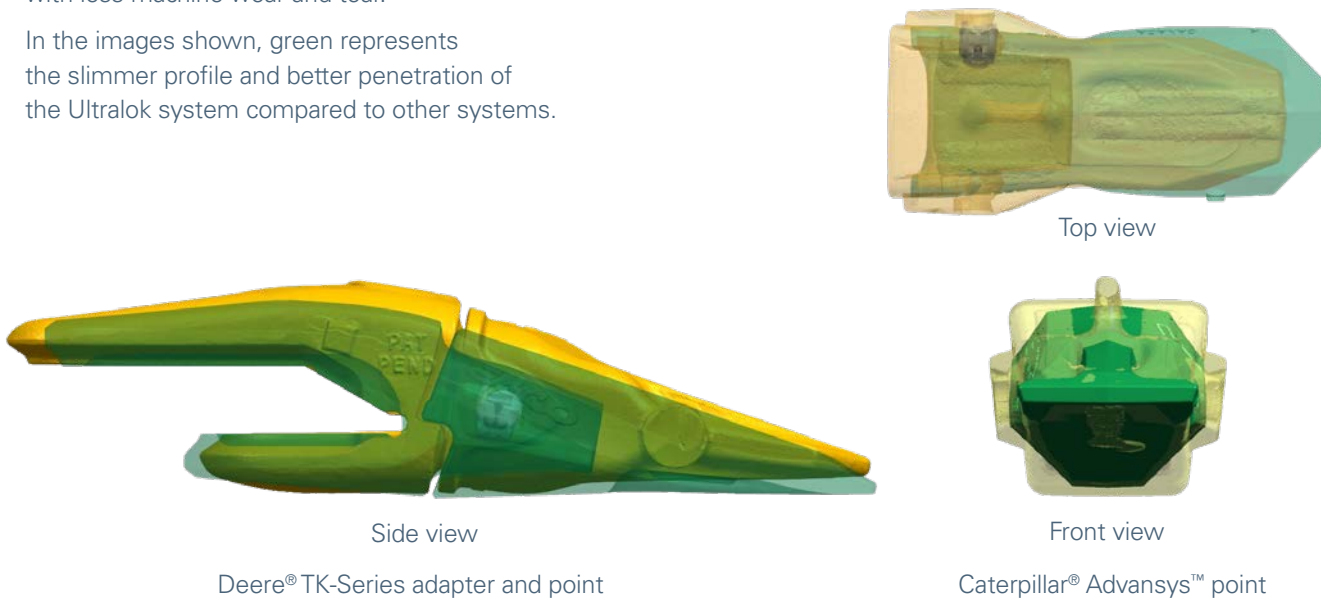


Superior profile improves penetration

Field-proven digging performance outperforms the competition

The Ultralok system is engineered with lower nose height, smooth point to adapter transition and streamlined point shapes. With up to 28% smaller rear profile than the competition, the Ultralok points provide excellent penetration, lowering fuel consumption with less machine wear and tear.

In the images shown, green represents the slimmer profile and better penetration of the Ultralok system compared to other systems.





**“The impact on our productivity has been
...the teeth are lasting longer and very good
we have less throwaway.”**

**– Jason Pendergast
Plant Manager, Lafarge**

Ultralok[®] tooth system applications

The Ultralok system includes a comprehensive package of points and adapters for 6 metric ton to 75 metric ton excavators and 1.8 cubic yard to 12 cubic yard class wheel loaders. The system is also available for extreme hot slag applications from 5.4 to 9.2 m³ (7 to 12 yd³) class wheel loaders with ultra-secure bolt-in or weld-in locks.

Point profiles are optimized to remain sharp throughout their life while delivering maximum system strength.

Tooth profiles to match any application



A – Abrasion



AP – Abrasion/
Penetration



APV – Abrasion/
Penetration V



C – Chisel



F – Flare



H – Heavy



K – Clamshell



P – Pick



R – Rock



S – Standard



T – Twin Pick

Wide range of Ultralok adapters

Weld-on

ESCO[®] offers Ultralok weld-on adapters to fit all popular construction class excavators, wheel loaders and face shovels. There is an adapter style to provide optimum machine performance in any application.

Bolt-on

Ultralok bolt-on adapters are also available for most models of wheel loaders. ESCO's bolt-on designs are enhanced for greater strength and performance over OEM versions.

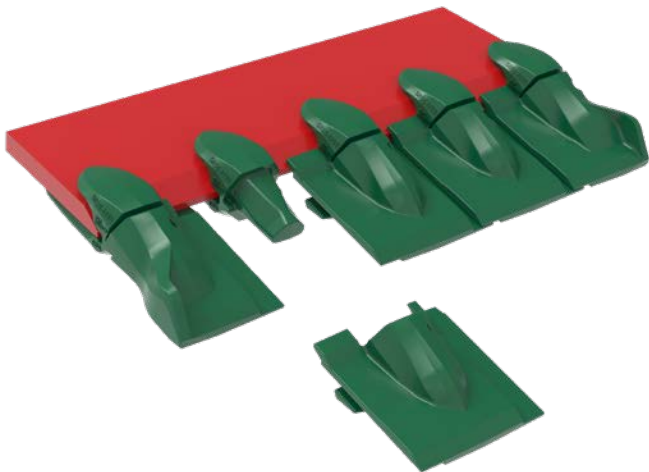


Ultralok® continuous edge tooth system

Contractors are in a unique position with the wide range of applications and digging conditions they encounter. The Ultralok continuous edge system allows customers to quickly adapt buckets to match upcoming job requirements for improved efficiency and lower operating costs.

The solution to welding on plate

- Unique design allows individual worn parts to be easily replaced
- Increases bucket capacity, productivity and versatility
- No welding required improves worker safety
- Corner point wings channel material into the bucket and reduce bucket corner wear



Ultralok will-fit excavator lip assemblies

ESCO® will-fit excavator lip assemblies feature the superior Ultralok tooth system. The lips provide an easy option to upgrade existing buckets to ESCO's Ultralok tooth system when replacing worn lips. The assemblies are designed to simplify lip replacement.

High quality, easy upgrade for your bucket

- Easily trimmed to fit all popular bucket widths
- Spot-welded corner adapters are easily repositioned
- Tough A514 steel plate lip is standard
- Available for 12T to 40T class machines

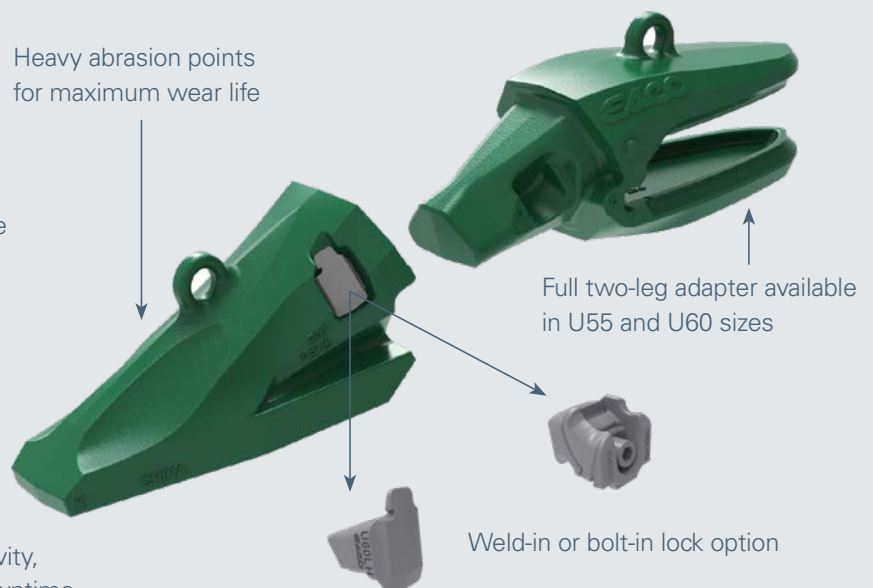


Ultralok tooth system for hot slag applications

Full offering available for 5.4 to 9.2 m³ (7 to 12 yd³) class wheel loaders

Handling hot slag is one of the most severe applications for tooth systems. ESCO's Ultralok tooth system has the specialized point profiles and lock options to provide excellent performance in hot slag. Ultralok hot slag points average 15% more useable wear metal than equivalent weight competitive systems.

The bolt-in lock offers simplified use and reliability; or select the weld-in option for maximum retention. The reliability of ESCO tooth systems and superior mechanical properties of our alloys make the Ultralok system the best choice. The result is increased productivity, reduced maintenance and less chance of unplanned downtime.





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