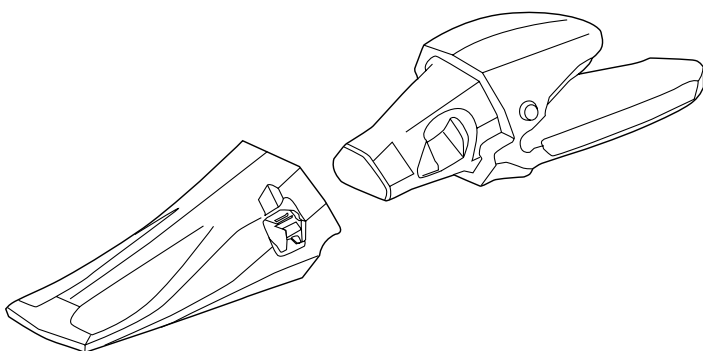
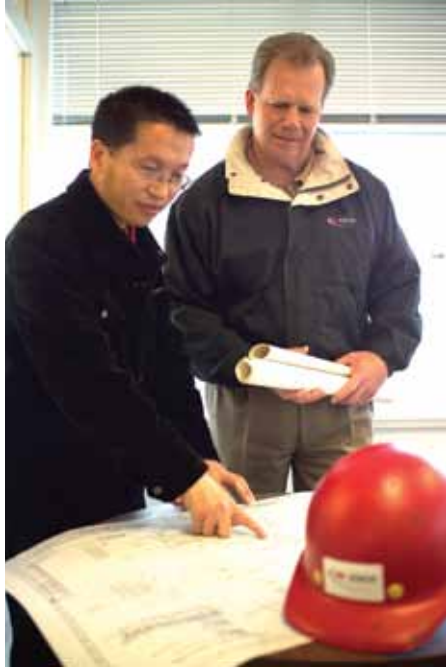




ESCO Ultralok[®] Tooth System





ESCO Corporation

ESCO is a leading manufacturer of technically-rich metal wearparts and components for mining, construction, power generation and aerospace applications. Throughout the world, our employees have made ESCO the customer's choice for quality, value and speed. For nearly a century, ESCO has delivered cutting-edge products, responsive service and field-tested solutions to customers' toughest problems.

ESCO designs better products, eliminates waste, drives down costs and empowers employees to pursue continuous improvements. The result: ESCO customers spend less and produce more. Whether digging deep within the earth, or building bridges and freeways, ESCO's employees and products help people, businesses and communities grow and prosper.

Engineered Products

With manufacturing facilities throughout North and South America, Europe and Asia – and licensees in key markets around the world – ESCO Engineered Products is the customer's choice for premier, field-tested wear solutions and ground engaging tools for mining, construction, dredging and other key industrial applications.



Sustainable Business Practices

Sustainability is an integral part of the business model ESCO has followed for years – doing more with less, eliminating waste, driving down costs, and empowering employees to pursue continuous improvements. These business practices lead to sustainable economic, environmental and social benefits – and they are standard practices that are implemented at all of ESCO's global locations. The result is highly innovative, high-value products; minimal waste; enhanced safety; reduced environmental impact; high profitability; and continuous investment in the people of ESCO and the communities where we operate.

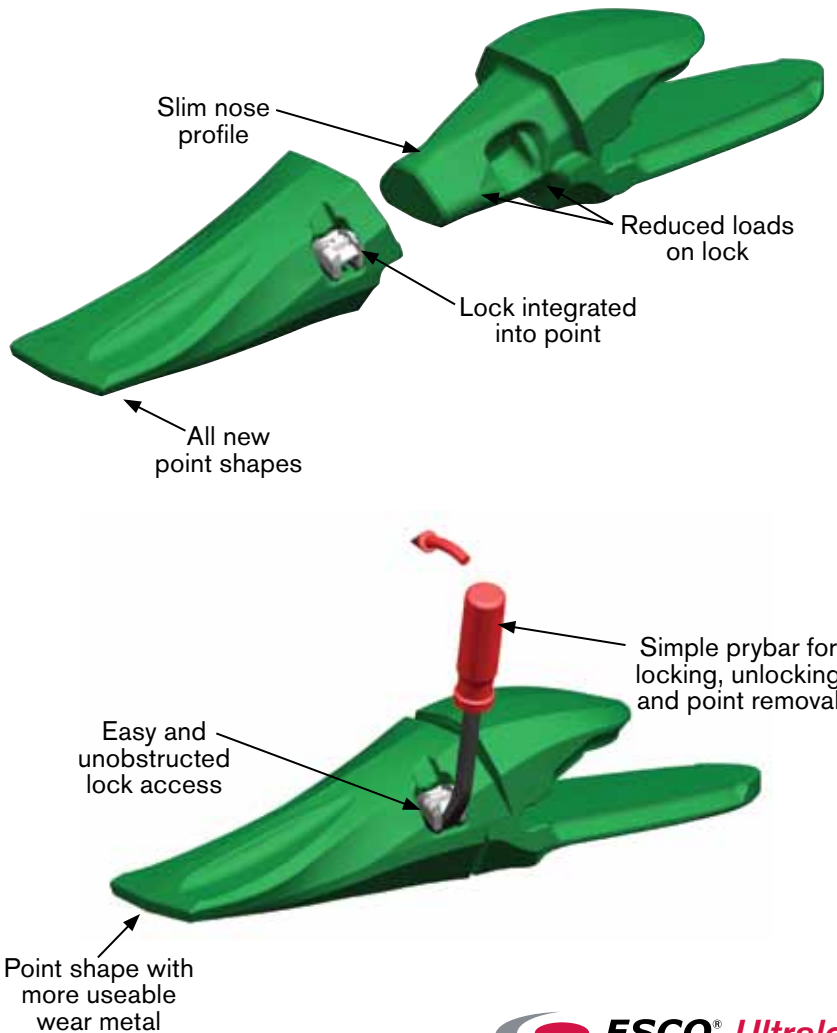




Ultralok® Tooth System

ESCO is the leader in innovation and performance for wearparts in the earthmoving industry. Keeping with that tradition, ESCO is excited to introduce the latest breakthrough in construction tooth systems — the Ultralok Tooth system.

Ultralok is an innovative and cost-efficient tooth system that answers customers' needs in any machine application. The revolutionary integrated locking device makes the Ultralok system two pieces— unlike the traditional three piece tooth systems of the past. The Ultralok is truly a hammerless system, not simply a hammerless locking device. Safety is increased, inventory is reduced and field replacement is simplified.



Features and Benefits

Improved digging performance

- Better penetration than the competitors through:
 - Lower nose height
 - Smooth point to adapter transition
 - Unique triangular nose shape
 - All new streamlined point shapes

Easier to use

- Lock integrated into the point
 - Reduced customer inventory items
 - No grabbing the wrong sized lock
 - No losing the lock in the field
- One simple tool operates the system— a pry bar
 - Locks point to adapter
 - Unlocks point from adapter
 - Aids in point removal from adapter
- Convenient lock access for operator

Increased safety

- Completely hammerless system
 - No hammer needed to lock point to adapter
 - No hammer needed to unlock point from adapter
 - No hammer needed to aid in point removal from adapter
- No hammer means reduced chance of injury



Ultralok[®] Tooth System

Features and Benefits

Longer Wear Life

- Average 14.8% more usable wear metal than competitive systems
- Harder and tougher alloy steel than competitive systems
- Improved penetration aids in wear life increase

Better Reliability

- 10% more stabilized mating flats than closest competitor
- Reduced locking device loading
- Proven lock materials and assembly process
- Lock is in reduced wear position

Reduced Labor Cost

- Improved wear life means less frequent change outs
- Integrated locking device
 - Mistake-proof integrated lock reduces change out errors
 - Point installation is easier with less pieces to handle



Ultralok[®] Tooth System

Point Shapes

Hydraulic Excavators and Face Shovels

S – The S is a standard point, an excellent choice for excavators and wheel loaders in general purpose applications. Designed to wear sharp for penetration, and features a center rib for greater strength.

C – The C is a chisel point primarily for use on excavators. The design provides good penetration and extra wear metal in tough applications. The heavy-duty rib and unique tear-drop relief in the bottom keeps the point sharp throughout its wear life.

P – The P is a pick point for extremely hard to penetrate materials, and is primarily designed for excavators but can be used on wheel loaders. Top and bottom ribs provide strength and ensures the point stays sharp.

T – The T is a twin pick point for maximum performance in hard to penetrate materials. The unique configuration minimizes the chance of rocks wedging between the tines; and is designed for use in the corner positions in conjunction with P style points to cut clearance for the buckets sides. The corner teeth can be switched to maximize wear life.

F – The F is a flared point for general purpose digging and continuous edge applications – an excellent choice for trench bottoms and foundation excavations. The wide blade maximizes bucket capacity.

H – The H is a heavy point for extremely abrasive applications and is primarily designed for excavators. Additional wear metal provides long point life. The heavy-duty rib and unique tear-drop relief in the bottom help to maintain sharpness as the point wears.

AP – The AP is a heavy-duty penetration point for wheel loaders with added wear metal for highly abrasive applications. The beveled tip design ensures sharpness, and the top center rib helps maintain the sharpness. An integral bottom wear shoe provides long life.

A – The A point is designed for optimum wear on wheel loaders working in extreme abrasion applications. The beveled tip and top contoured panel ensures excellent bucket loading. The full length bottom wear shoe provides maximum wear life and ensures a smooth floor to minimize the chance of tire damage.



Ultralok[®] Tooth System Applications

The Ultralok tooth system is available for a range of construction market segments.



Utility Construction Market

- For utility excavators, loaders, and other compact machines
- Sizes U20, U25 offer adapters and point shapes to fit all applications

Size	U20	U25
Excavators	6-10 mt	10-15 mt
Loaders	1,5 m ³	2,3 m ³



Construction Market

- For mid-range wheel loaders and excavators
- Sizes U30, U35, U40 offer one of the widest selections of points and adapters to service applications from general purpose to extreme service
- Wide selection of adapters for most wheel loader and excavator applications

Size	U30	U35	U40
Excavators	15-20 mt	20-28 mt	25-30 mt
Loaders	3,4 m ³	4,6 m ³	5,3 m ³



Heavy Construction Market

- For large wheel loaders, excavators and face shovels
- Sizes U45, U55, U60 offer a complete range of adapters and points
- Designed and manufactured to perform in the toughest conditions, from pipeline work in rock to demanding quarry applications

Size	U45	U55	U60
Excavators	30-40 mt	40-60 mt	60-75 mt
Loaders	6,1 m ³	6,8 m ³	9,1 m ³



Quality, Value and Speed

ESCO Corporation's unwavering commitment to meeting customer needs has made ESCO the preferred choice for quality, value and speed. By applying continuous improvement practices, ESCO facilities enhance product quality, reduce waste, streamline processes and delivery and reduce overall costs. From plant to laboratory, from engineering to sales – ESCO professionals use a variety of tools to standardize best practices while working to understand and eliminate the root causes of process variation. All ESCO facilities are annually measured through an assessment program called QVS Lean Links, and each location's quality management systems are third-party certified (ISO 9001:2000).

ESCO Core Values

Partners

ESCO will listen and understand customers' needs and create quality solutions that deliver value and engender customer loyalty.

Processes

ESCO will continually challenge the status quo through an unrelenting pursuit of improvement for our customers, employees and investors.

People

ESCO will develop and reward employees within a supportive work environment that encourages innovation and a passion for enriching our customer relationships. People will be held accountable for delivering results.

Profits

ESCO will drive profit for enterprise growth and to attract stakeholder investment, while maintaining uncompromising integrity and a high level of social responsibility.





www.escocorp.com

ESCO Corporation is the preferred provider of technically rich metal components and wear solutions for industrial applications. ESCO has over 40 locations and affiliates worldwide.

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