



WEIR

ESCO

ProFill® Delta Dragline Buckets
For Mining Applications



ESCO® ProFill® Delta Dragline Bucket

“Nearly 100 years of dragline bucket engineering and fabrication expertise provides a unique combination of efficient performance, durability and simplified maintenance”



ProFill® Delta dragline bucket – simplified rigging, superior durability, exceptional performance



Dragline operation simplified

ESCO products are trusted at mines worldwide for improved productivity and safety, and our ProFill Delta buckets continue that tradition. ProFill Delta buckets provide increased productivity and cost savings that customers have come to expect from ESCO with the added benefit of reduced rigging complexity. Eliminating the lower spreader bar and associated components reduces rigging weight by up to 15%.

Built for long service life

ProFill Delta buckets are built using proprietary cast alloy construction, developed from over 100 years as a manufacturer of premium steel castings. Our engineering and metallurgical expertise converge to provide an optimized cast structure with a balanced combination of strength, impact resistance and wear life. ProFill Delta buckets are built to deliver superior productivity and maximum durability under the toughest digging conditions.



Superior structural strength and durability

Building on years of analysis and engineering experience, high stress areas of the ProFill Delta bucket have been optimized to withstand the most demanding digging environments. The fully-cast front end ring delivers maximum bucket strength, durability and service life.

“Fully cast front ring provides up to 250% improvement in fatigue strength over laminated plate.”



Developed to get the job done

- Optimized for chopping
- Stronger cheek design
- Improved tooth-to-hitch clearance for downhill digging
- Better stability in tough and above-tub digging
- Optimal combination of strength, toughness and wear resistance
- All but eliminates the cracking inherent in laminated plate structures
- Cast components are proven to outlast low-grade fabricated alternatives
- Minimizes unplanned maintenance downtime and lost production

Design simplicity for cost-saving performance

The unique geometry of the ProFill® Delta bucket enhances production and is custom engineered for your mine site requirements. The rigging weight savings allows greater bucket capacity or an increased bucket protection without compromising machine performance.

The hammerless G.E.T. locking systems and fewer rigging components streamlines maintenance and improves site safety by reducing worker exposure and touch time.

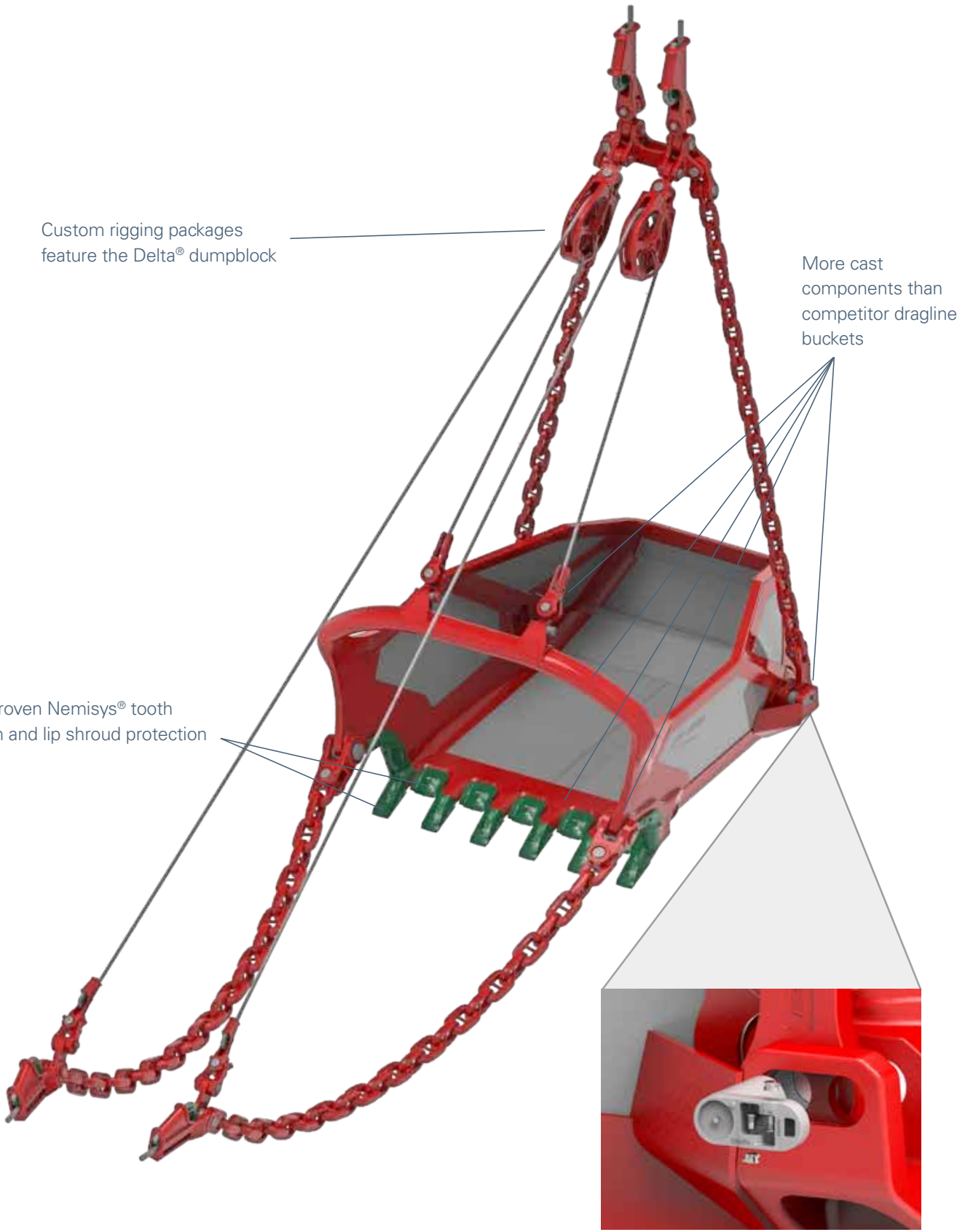


Hoist circuit for traditional ProFill bucket



Removal of the lower spreader bar eliminates up to 9 components

Hoist circuit for ProFill Delta bucket



Custom rigging packages feature the Delta® dumpblock

More cast components than competitor dragline buckets

Field-proven Nemisys® tooth system and lip shroud protection



Mechanically attached trunnion pins utilize hammerless Nemisys lock technology



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