CL-1 FOR HYDRAULIC MINING SHOVELS – 6040Fs TO 6090

MAXIMUM PRODUCTIVITY THE MOMENT YOU HIT THE GROUND

CL-1 introduces our first proprietary cast lip system. Providing both the cast lip and G.E.T. allows customers to choose Cat G.E.T. for their Cat machine without having to modify the competitive lip system. CL-1 is supported by your Cat dealer, who cares for all of your equipment needs.

- » High performance & low maintenance.
- » Poured in a single casting No weld joints to crack.
- » Maximum lip protection due to the tapered shroud design.
- » Minimized lip repair thanks to our nose geometry and shroud stabilization

CL-1 SYSTEM OVERVIEW

CL-1 is a complete system that matches the GET arrangement with a cast lip that is specifically designed for the machine. CL-1 is available through parts as a cast lip assembly, or incorporated into a bucket or clam assembly from WorkTools. Choose CL-1 for your new hydraulic mining shovel direct from the factory.



CL-1 INTERMEDIATE COUPLER

Intermediate couplers secure to the CL-1 nose base with a hammerless retainer that pulls the coupler tight. Coupler pocket has dual load bearing surfaces to minimize nose stress and wear. These 3-piece systems minimize wear on the more expensive components, helping to provide the lowest cost per ton.



Coupler pocket evenly distributes load on nose base to reduce stress.

Concave fit tooth & coupler transfers load into larger components.





COUPLER RETENTION SYSTEM:

- » Safety Focus Hammerless Retention
- » Minimize lip wear Primary retention reduces movement and secondary retention keeps shroud tight, reducing periodic maintenance
- » No Special Tooling Square Hex Drive

Retainer locking cap reduces primary torque screw movement during operation. Dust plug reduces clean out time during service.



CL-1 couple retention is serviced as one assembly.

Retainer pulls coupler onto nose base and inward reducing side movement.

CL-1 TIP OPTIONS

The split tip design improves penetration, resulting is more efficient bucket fill. The retainer lock is built into each tip, simplifying installation. Our hammerless pull ring retention (PRR) secures the tip with the retainer lock. One turn with a common square drive will unlock the tip. Tip stabilizer legs contact coupler before pin to deflect operating load.





The Pull Ring draws the tapered pin into the retainer until it locks into pin channel. Spiral pin head pulls pin out of pin indentation. Dust plug shortens clean out time.



Integrated retainer lock

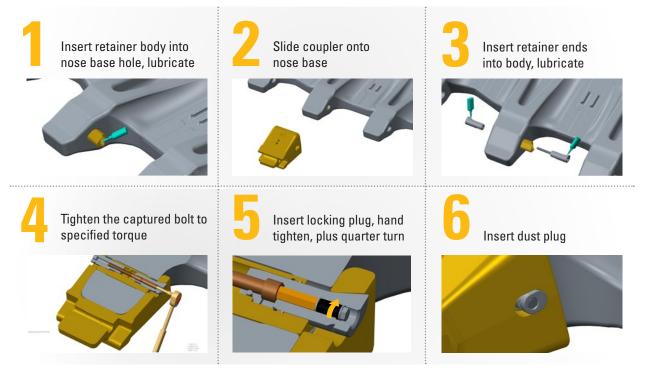
INSTALLATION & REMOVAL

COUPLER INSTALLATION

Follow these six simple steps for fast, safe and easy installation and removal:

Scan the QR Code to the right to watch the installation video.





TIP INSTALLATION

Follow these four simple steps for fast, safe and easy installation and removal:



CL-1 CAST LIP PROTECTION

The tapered shroud design provides maximum lip protection, reducing lip wear. Shroud retention inserts into shroud body and is secured to the lip with a dual locking system, ensuring your lip protection stays tight during service.

MAXIMIZED PERFORMANCE

EASY REMOVAL

Low profile delivers penetration and optimized material placement reduces un-needed steel cost and weight

Deflector reduces clean out time



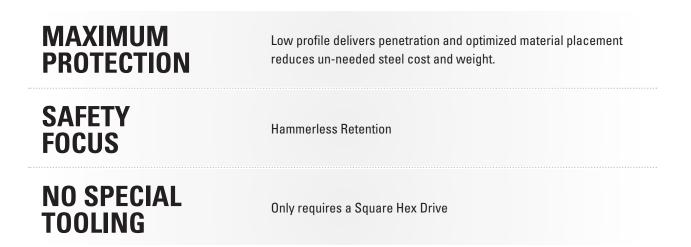
COUPLER RETENTION SYSTEM:

- » Safety Focus Hammerless Retention
- » Minimize lip wear Primary retention reduces movement and deflector retention keeps shroud tight, reducing periodic maintenance
- » No Special Tooling Square Hex Drive



CL-1 WING PROTECTION

Wing shrouds secure to the wings with a hammerless bolt retainer that inserts into the shroud body and pulls the shroud tight to the wing.





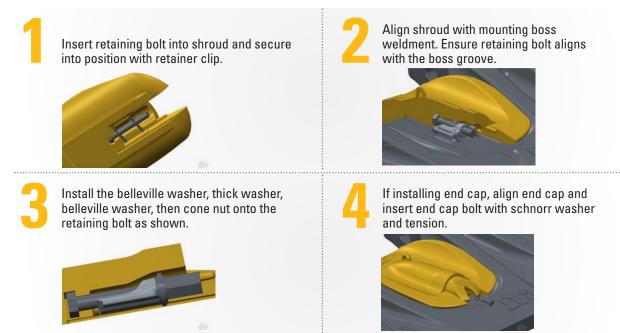
INSTALLATION & REMOVAL

CL-1 CAST LIP & WING PROTECTION INSTALLATION

Follow these four simple steps for fast, safe and easy installation and removal:

Scan the QR Code to the right to watch the installation video.





WING SHROUD INSTALLATION

Follow these four simple steps for fast, safe and easy installation and removal:

