

WH12 EDT FOR 7495 CLASS MACHINES

THE INDUSTRIES MOST ADAPTABLE SYSTEM FOR YOUR OPERATING CONDITIONS & TCO TARGETS



RELIABLE. EFFICIENT.

Energy Distribution Technology (EDT) maximizes adapter life and reduces lip wear by redirecting dig energy. EDT delivers operating reliability in extreme environments while minimizing installation and rebuild cost.

The EDT system design delivers the reliability you require with 80% less welding time than other stabilized systems. EDT components are efficient to install and maintain, which means cost savings and improved lip lifecycle.

ERS CAST LIP DESIGN

PERFECT FIT, BEST RELIABILITY, EVERY TIME

Cat ERS lip systems are delivered ready to work, saving hours of G.E.T. fitment and installation time. Fully machined lip surfaces ensure that Cat G.E.T. fits perfectly, and secures tightly. This reduces the rate of lip wear, extending your lifecycle. Machined retention holes reduce stress that originates in this area.



EXTEND LIP LIFECYCLE

Machined surfaces provide precise dimensional control and tighter fitting G.E.T.



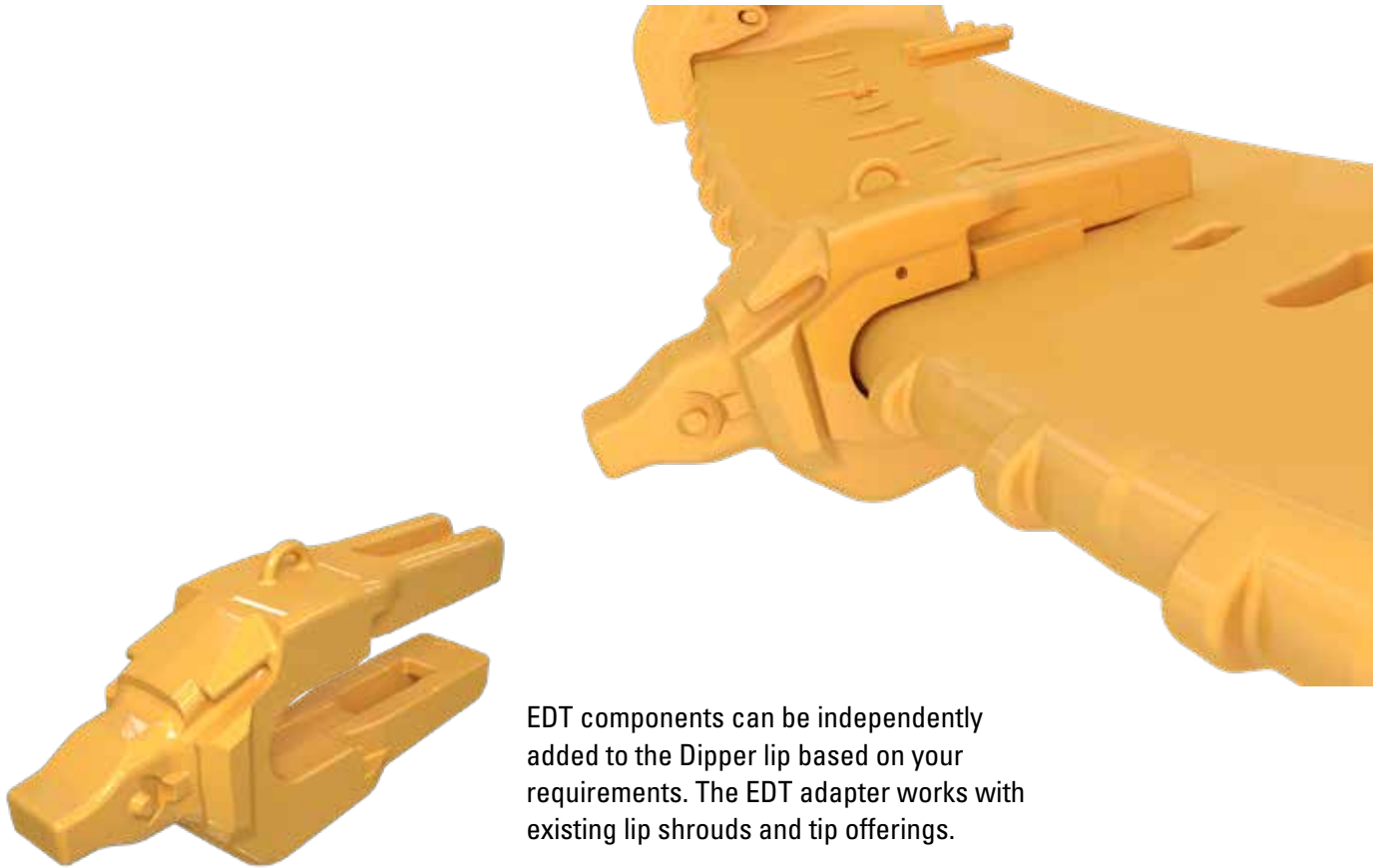
REDUCE STRESS CRACKING

Machined retention holes lower stresses by 22%



WH12 EDT PERFORMANCE LEVELS

Cat WH12 GET portfolio is adaptable to your ever-changing site conditions. Energy Distribution Technology is associated with the Cat PowerWedge, Static Beams, and Shim components that work together to extend adapter life and minimize lip wear by redirecting dig energy.



EDT components can be independently added to the Dipper lip based on your requirements. The EDT adapter works with existing lip shrouds and tip offerings.

50% MORE PULL-BACK FORCE

Cat PowerWedge retains the adapter with superior pull-back force versus other systems which predominately clamp down on the adapter. This means tighter fitting components and less wear.



WH12 EDT PERFORMANCE LEVELS

Static Beams and Shims can supplement the PowerWedge retention when the adapter is under heavy load. This system provides additional strength and reliability for extreme applications where unacceptable breakage is experienced with traditional systems.

30% MORE ADAPTER "STRENGTH"

Static Beams reduce bending stresses in the adapter legs to deliver reliability in demanding conditions.

LESS STRESS, LONGER TIP LIFE

Efficient design means no significant increase in lip stiffness. Static Beams are positioned next to the adapter, not under it. This reduces lip stresses and the associated cracking.



LONGER STABILIZER LIFE

EDT Shims reduce contact forces by 34%. Redistributing load energy across adapter and shroud stations will reduce stabilizer wear.



TIP OPTIONS

Choose from five tip profiles designed for a broad range of applications. Your Cat dealer can help you select the option that offers the right balance of penetration and wear life for your jobsite.



GENERAL PURPOSE

X4-GP tips are symmetrical and the baseline for other tip styles.



PEN ABRASION

X4-PLA tips are designed for high-abrasion, low-impact applications where penetration is critical. They are 17 percent longer and have four percent more wear material in the tip body.



ABRASION

X4-A tips feature approximately 27 percent more wear material than the X4-GP tip.



IMPACT

X4-I tips are 16 percent stronger than the X4-GP to withstand high-impact applications.



OIL SAND PENETRATION

X4-OSP tips have been designed with a stream line shape in mind for better penetration, a deeper recess to keep the tip sharp throughout its wear life, and is 1" longer than the pen abrasion tip to extend its productive wear life.

ENGINEERED TO ORDER (ETO) OPTIONS AVAILABLE

Custom offerings are available from your Cat dealer for your application.

LIP AND WING SHROUD

Lip and Wing shroud designs include hammerless retention systems. Lip shrouds have a mechanical boss option that eliminates welding on the dipper lip while providing positive retention.



EWL lip shrouds extend your replacement intervals.



Compact lip shrouds enable a greater effective tip length when penetration is a primary requirement.



Welded lip shroud boss provides low maintenance hammerless retention.



Mechanical shroud boss eliminates welding while providing positive retention to keep the lip shroud tight.



Wing shrouds protect the Dippers' structural integrity and enhance penetration. Wing shrouds vary based on the Dipper design.



Standard duty wing shrouds provide wear protection for most applications.

Hammerless wing shroud retention provides positive uptake.



EWL lower wing shrouds extend replacement intervals by placing 3X more wear material in the high-wear area.

