



WEIR

ESCO

Nemisys® Lip System for
Wheel Loaders

Proven advantages for the Nemisys® lip system

With over 4000 digging hours of testing and validation, the Nemisys system for wheel loaders has proven to provide distinct advantages for mining operations.

Better tooth retention

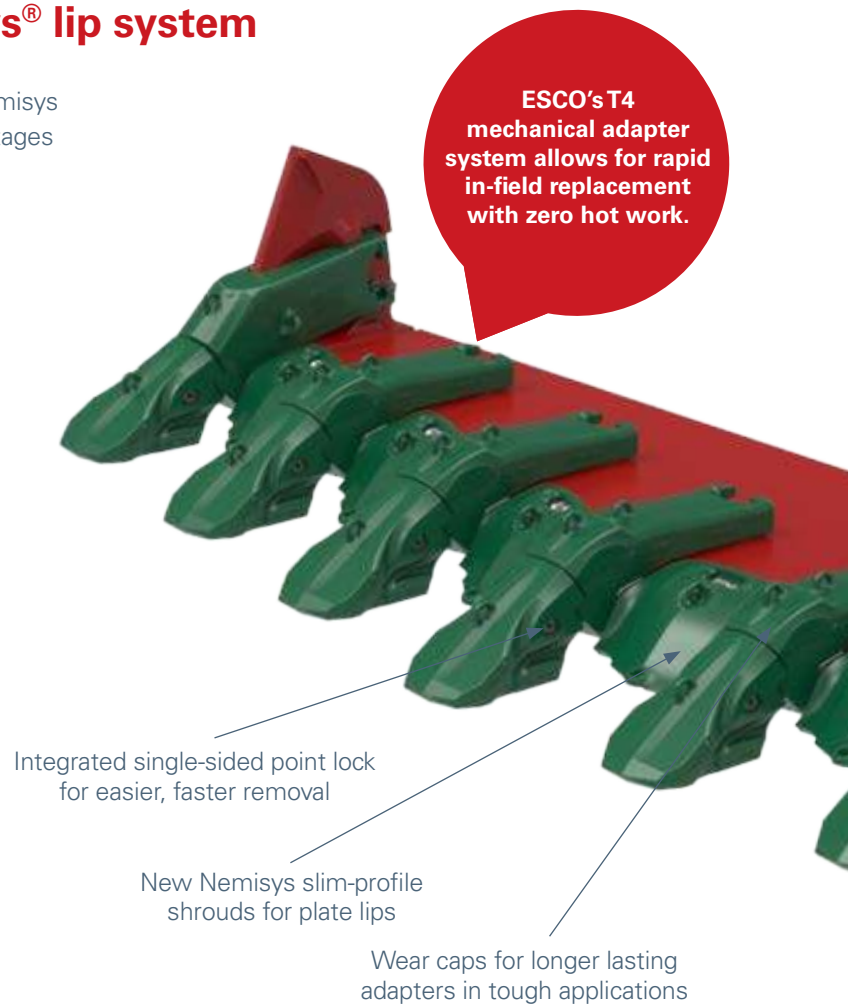
- Proven reliability - operating on nearly 500 machines worldwide
- Positive lock engagement reduces the chance of G.E.T. loss

Improved safety

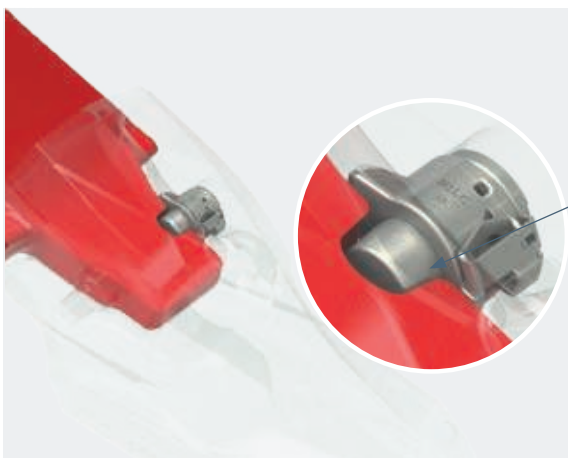
- Safer component replacement
- Longer life reduces amount of touch time

Harder, longer lasting ESCO® premium alloys

- Up to 2 times longer than CAT®
- Up to 45% longer than Hensley®
- Fewer replacements
- Less inventory required



Better tooth retention



Safety

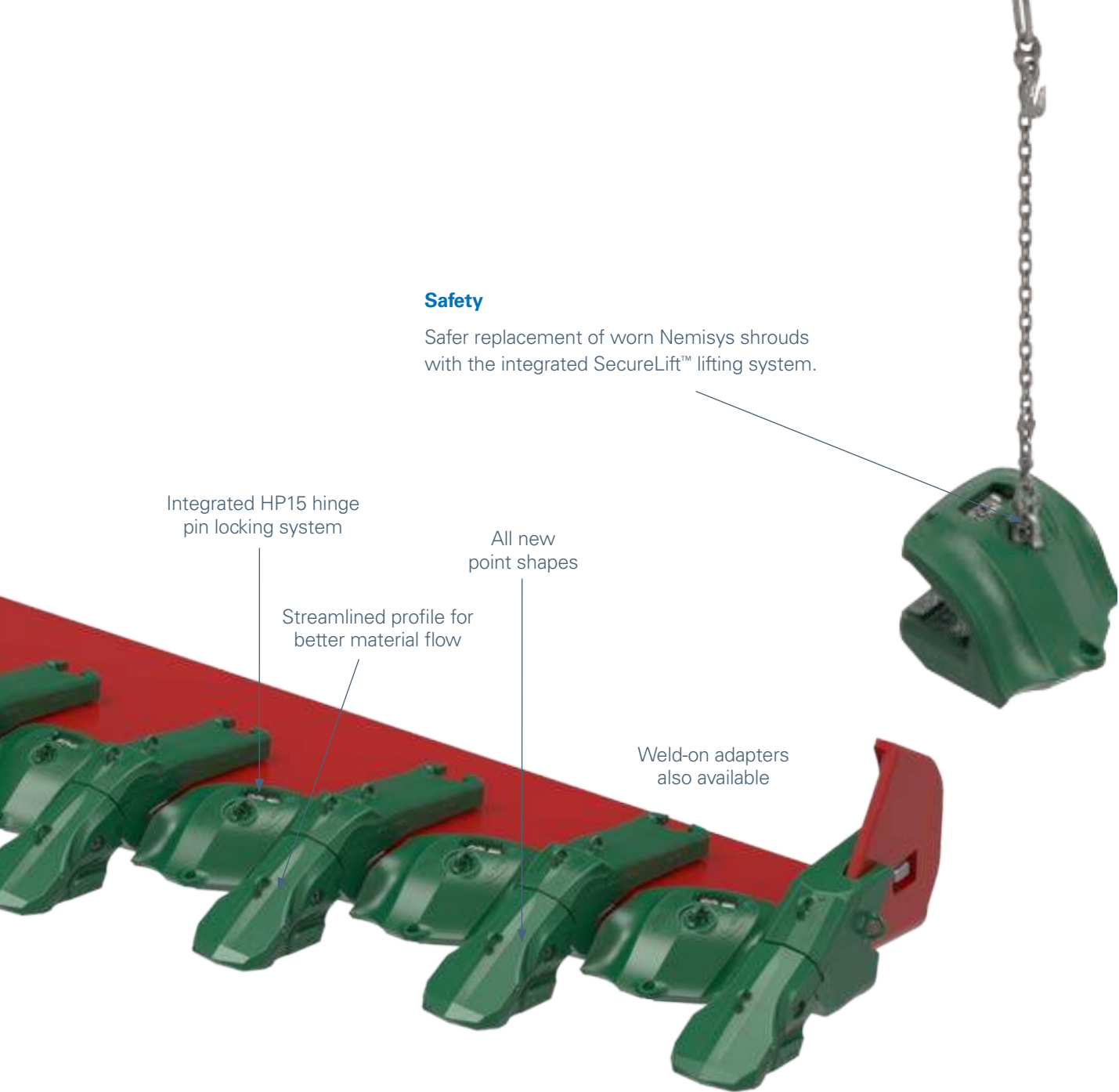
Safer replacement of worn Nemisys shrouds with the integrated SecureLift™ lifting system.

Integrated HP15 hinge pin locking system

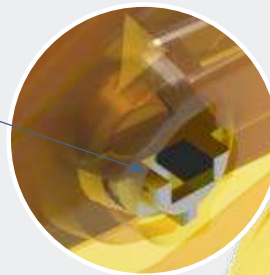
Streamlined profile for better material flow

All new point shapes

Weld-on adapters also available



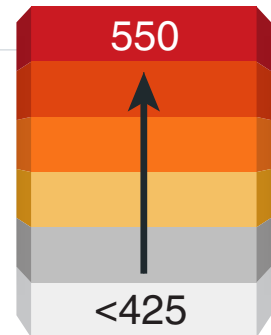
Premature point loss on competitor part can occur if exterior lock retention features wear off



Nemisys[®] tooth system outperforms the competition

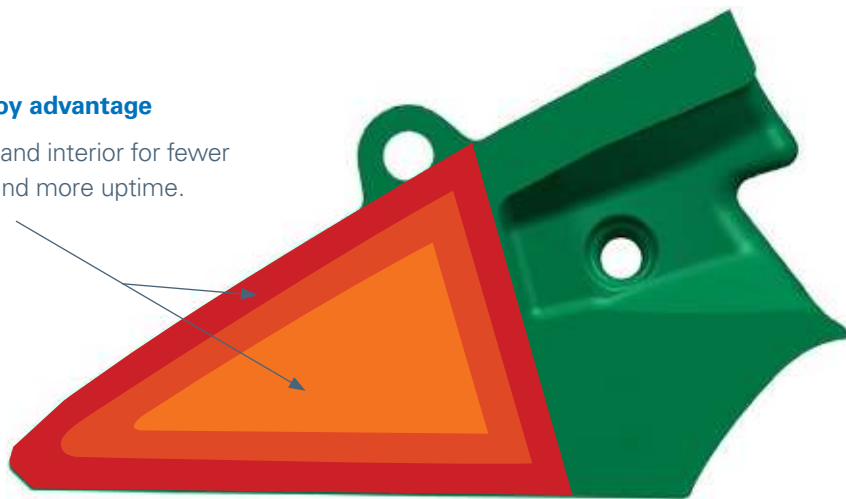
Brinell hardness

Method of measuring the hardness of a material by pressing a chromium-steel or tungsten-carbide ball against the smooth material surface under standard test conditions. The hardness is expressed as a Brinell Hardness Number (BHN).



The ESCO[®] alloy advantage

Harder surface and interior for fewer replacements and more uptime.

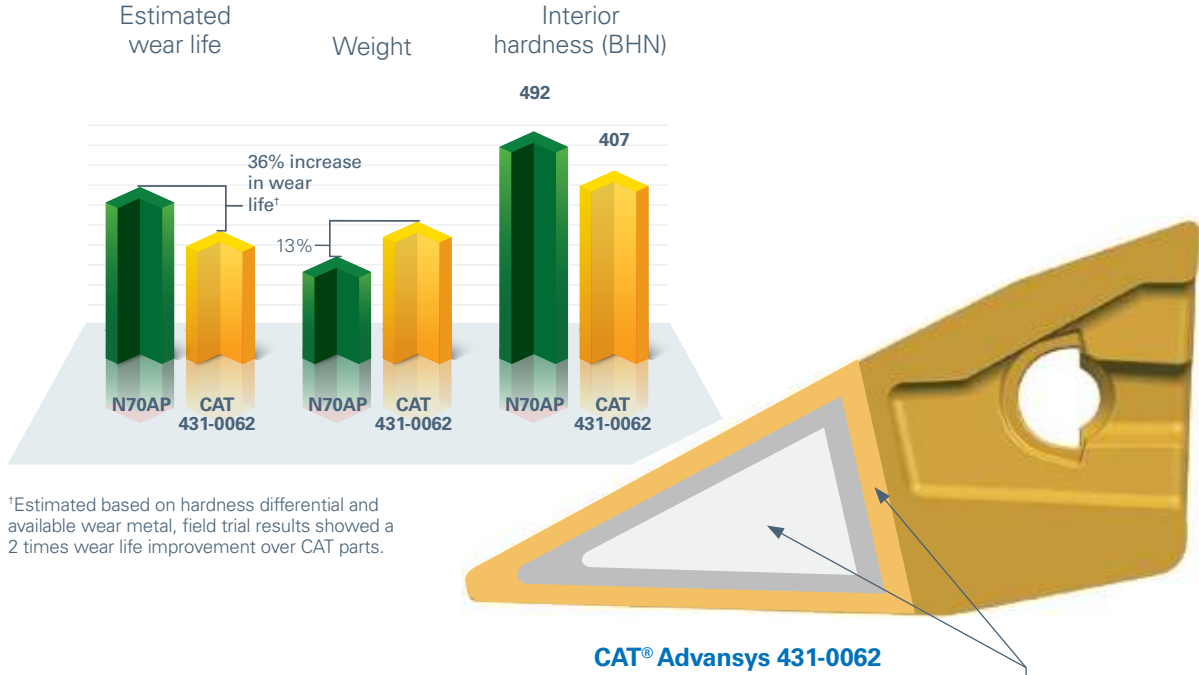


The Nemisys N70AP



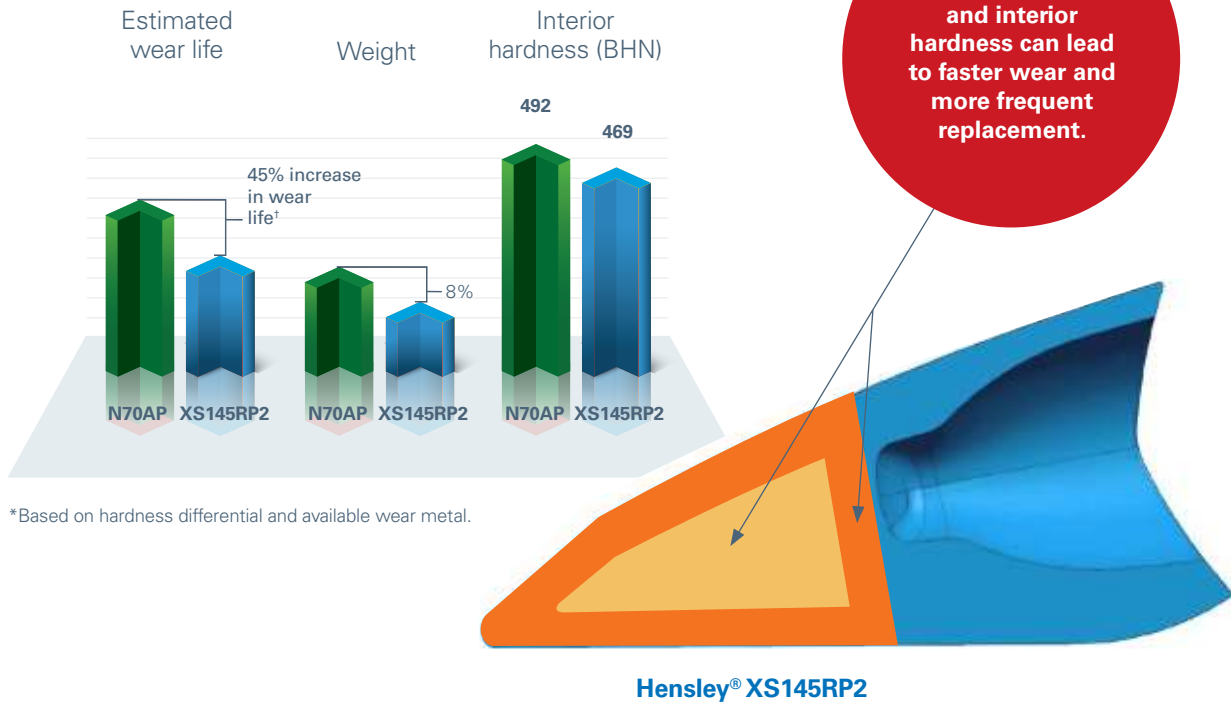
Productivity

Best-in-class wear life to weight ratio allows you to move more material per set of teeth with the Nemisys system.

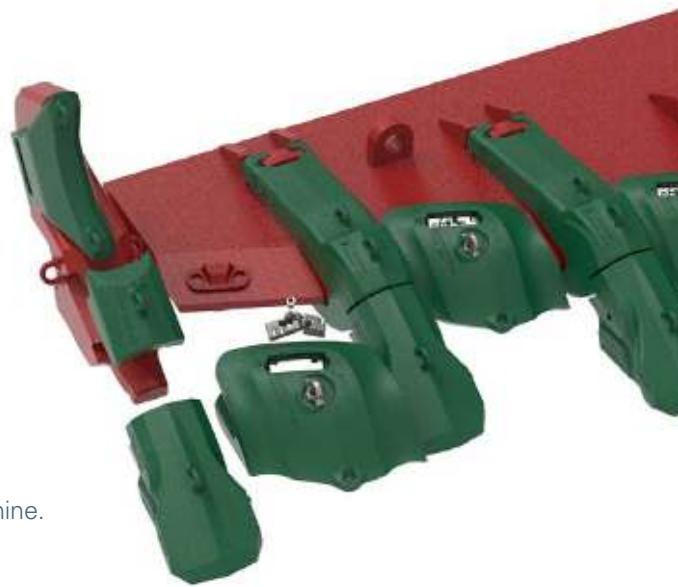


*Estimated based on hardness differential and available wear metal, field trial results showed a 2 times wear life improvement over CAT parts.

Lower surface and interior hardness can lead to faster wear and more frequent replacement.



*Based on hardness differential and available wear metal.



Configurations to meet all your needs

Points, adapters and wear caps for every application

The Nemisys system for wheel loaders is compatible with OEM and ESCO® Loadmaster® lip configurations across a range of lip thicknesses. Contact your ESCO representative for help determining the right components for your machine.

Choose a point



N70A ultimate wear life

- 107 kg (235 lb)
- Ideal for well blasted, high abrasion applications
- Longest wear-life for fewer replacements



N70AP balanced wear & penetration

- 97 kg (213 lb)
- Ideal for tough-to-penetrate, high abrasion applications
- Best balance of penetration and wear life



N70AG general purpose

- 68 kg (150 lb)
- Best balance of penetration, weight and cost



N65AP balanced wear & penetration

- 62 kg (137 lb)
- Ideal for tough to penetrate, high abrasions applications
- Best balance of penetration and abrasion

Choose an adapter



N70-W416 weld-on



N70-T416 mechanical

Nemisys® Adapters for Wheel Loaders

NOSE SIZE	LIP THICKNESS		MECHANICAL	WELD-ON
	mm	in		
N70	100	4.00	■	■
	90	3.50		■
N65	90	3.50		■
	75	3.00		■

The Nemisys system for wheel loaders supports a variety of common lip thicknesses and ramp angles, covering machines from CAT® 992 and up. For the toughest applications, mechanical adapters are available that feature in-field replacement with zero hot work.

Choose a corner



Mechanical adapters

- Cast corner option available for mechanical systems

Weld-on adapters

- Cast corner option for weld-on adapters

Choose a wear cap



N70FWC general purpose

- 13 kg (28 lb)
- Best balance of penetration, wear life, weight and cost

N70FWCH super-duty

- 16 kg (36 lb)
- Ideal for hard digging, high-abrasion conditions
- Best wear life

N65FWC

- 8 kg (18 lb)
- Best balance of penetration, wear life, weight and cost

Choose a shroud

The next generation of Nemisis® shrouds

- Lighter than comparable shrouds
- Integrated lock
- SecureLift™ enabled for safer replacement
- 99 mm (3.90 in) thick bottom leg



Toplok® shrouds

- Proven reliability and performance
- 83 mm (3.30 in) thick bottom leg





CAT and Hensley are trademarks of their respective companies and are not affiliated in any way with ESCO Group LLC. Data contained in this document is for comparison purposes only and does not constitute a guarantee. Installation, operating conditions, wear and tear and maintenance are factors outside the control of ESCO and will affect product performance.

ESCO Group LLC – A Weir Group Division
2141 NW 25th Ave,
Portland, OR 97210
USA

www.esco.weir

P3042MIN-ENG-L0820

Copyright © 2020, ESCO Group LLC. All rights reserved.