



**WEH**

**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

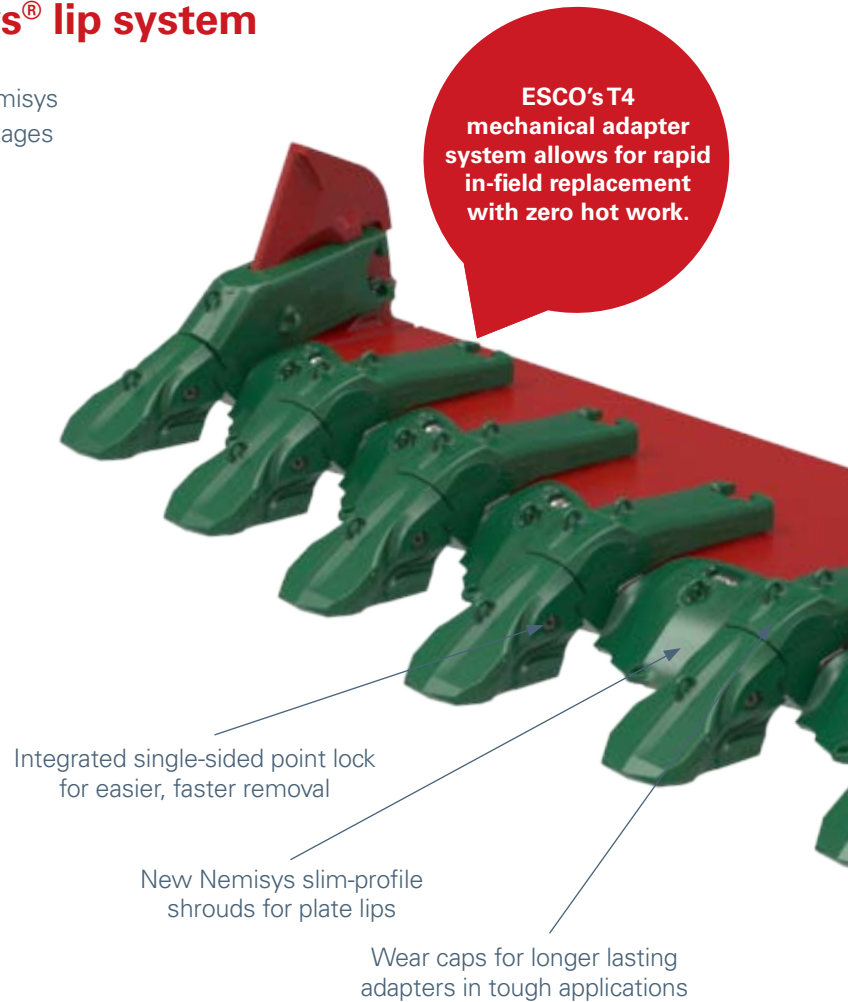
- Proven reliability - operating on nearly 500 machines worldwide
- Positive lock engagement reduces the chance of G.E.T. loss

### Improved safety

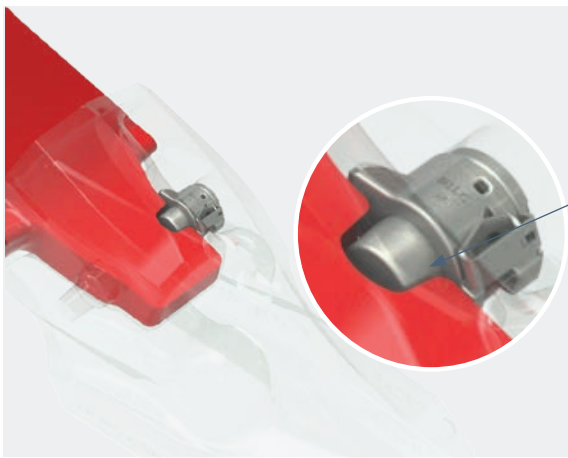
- Safer component replacement
- Longer life reduces amount of touch time

### 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



Positive lock engagement with the Nemisys system reduces the chance of lost teeth



### Safety

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

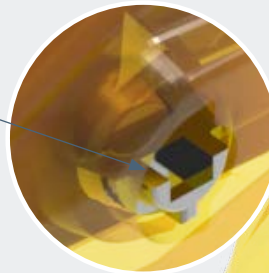
Integrated HP15 hinge  
pin locking system

Streamlined profile for  
better material flow

All new  
point shapes

Weld-on adapters  
also available

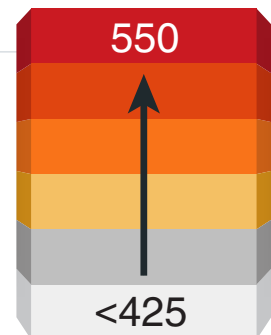
Premature point loss on competitor  
part can occur if exterior lock retention  
features wear off



## Nemisys® tooth system outperforms the competition

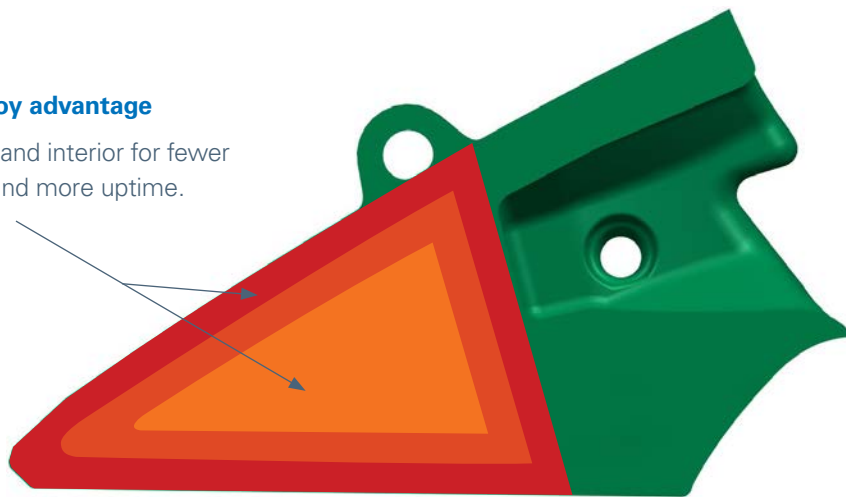
### Brinell hardness

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.

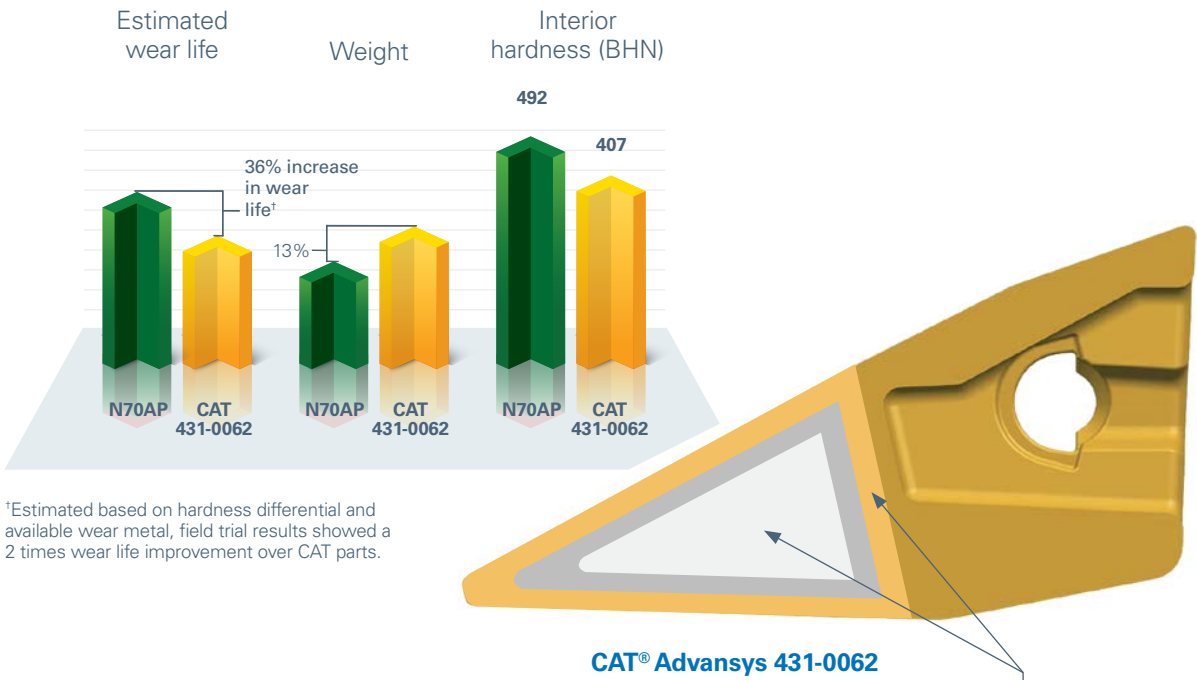


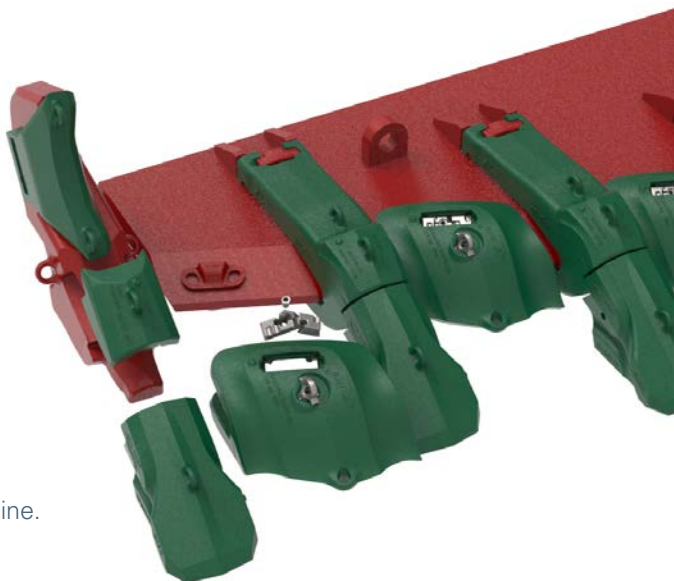
The Nemisys N70AP



# Productivity

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





# 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 Nemisys® 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





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