

# CHOOSING THE RIGHT BEAD BREAKER FOR THE JOB

## KNOW YOUR APPLICATION



A

RUBBER



B

STEEL

- Bead breaking tools are designed to be used on a specific range and style of tire/wheels based on their rim configuration.
- Most tire/wheel configurations will fall within the categories below for **Style of Rims**.
- These wheel configurations refer to the amount of pieces the wheel is made up of. Some wheels have **up to five-pieces** (bead seat band, front flange, locking ring, rim base, & back flange).

In **Figure A**, any wheel configuration where you're pushing the tire (rubber) **AWAY** from the wheel (steel), you'll be pushing the bead breaker foot against the "rubber". This is removing the tire from the wheel flange "rim".

In **Figure B** you can see the bead breaker is pushing against the rim/flange itself, which is "breaking the bead" between the steel wheel and the inner pieces of the wheel, because it is a "multi-piece" wheel assembly.

## STYLES OF RIMS:

### SINGLE PIECE RIM

1



**COMMON RIM IN THE OVER-THE-ROAD CATEGORY**

#### SOME INCLUDE:

Backhoes, Small Construction Equipment, Aerial Platforms, Compact Trailers, Recreational & ATV, Lawn & Garden Equipment, Small Wheel Loaders, Hub Wheels, Sprocketed Hub Drive Wheels, Trailers, Skid Steer Loaders, and More...

### TWO-PIECE RIM

2



**TWO PIECE RIMS** are not as common however, ESCO products can be used on any combination of rim/wheel assemblies.

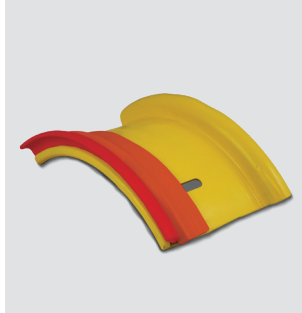
*Pieces Include Front Flange & Rim Base.*

#### SOME INCLUDE:

Industrial Forklifts, Demountable Rims & Components Used on Heavy Trucks, Military Trucks & Trailers, Two Piece Bolt Together Style Rims, Utility Vehicles, Ground Support Equipment, and More...

### THREE-PIECE RIM

3



**THREE PIECE RIMS** are the most common in off-the-road, agricultural, & mining applications. Pieces include Locking Ring, Rim Base, & Front Flange.

#### SOME INCLUDE:

Construction Equipment, Telehandlers, Wheel Loaders & Graders, Articulated Haulers, Military Trucks & Trailers, Surface, Underground Mining Equipment, and More...

### FIVE-PIECE RIM

5



**FIVE PIECE RIMS** are specific to mining & are most commonly large tire specific. Pieces include Locking Ring, Bead Seat Band, Front Flange, Rim Base, & Back Flange.

#### SOME INCLUDE:

Haul Trucks, Mining Vehicles, Articulated Haulers, Wheel Loaders, Rubber Tired Dozers, and More...