**I-LOCK™ COUPLER**

by WEDGELOCK

**Instant, Independent and Innovative Safety System**

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**TECHNICAL SPECIFICATIONS**

**Wedglock Multi-Model® Coupler with I-Lock™ Safety System**

<table>
<thead>
<tr>
<th>WedgeLock Model Class</th>
<th>Cone Type</th>
<th>Model #</th>
<th>Part Number</th>
<th>Weight (lbs)</th>
<th>Coupler Base Plate (inches)</th>
<th>Base Width</th>
<th>Pin # &amp; Pin Stop Diameter (mm)</th>
<th>Max Operating Pressure (PSI)</th>
<th>Min Rasp (PSI)</th>
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**Wedglock OEM Custom Fit™ Coupler with I-Lock™ Safety System**

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**Introducing the I-Lock™ Coupler for excavators – the world's first coupler incorporating a fully independent safety system.**

The “Instant, Independent and Innovative Safety System” or I-LOCK™ is the ultimate secondary lock safety system for excavator couplers available globally today.

**Designed for maximum operator safety:** the I-LOCK™ delivers the following key benefits:

- **INSTANT** – automatically secures the attachment to the coupler the instant the front jaw comes into contact with the front attachment arm. This instant connection eliminates the risk of losing control of the bucket or attachment during the “high risk” latching operation.
- **INDEPENDENT** – when the operator wants to change attachments, the primary wedge can be released first, the attachment placed in a safe position to disconnect and THEN the Safety Knuckle can be released. The operator has full INDEPENDENT control.
- **INNOVATIVE** – the I-LOCK™ Coupler is an innovative advancement in coupler safety. No other coupler in the world has a fully independent and instant safety-locking feature that is controlled by the operator.
- **The TIME-OUT feature on the electronic switch ensures that even if the operator does not release the attachment in the time allowed, the Safety Knuckle will automatically reengage in the safe position.**

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*Images Pending*
FEATURES OF THE I-LOCK™

Available in two configurations — WedgeLock Multi-Mode® and WedgeLock OEM Custom FI™

- The I-Lock™ is packed with features:
  - It is the world’s first fully independent safety system.
  - It incorporates the proven “Wedge Locking Principle” for the primary lock — in all WedgeLock Couplers sold worldwide.
  - The coupler body is constructed from Heavy Duty plate — using high and medium tensile materials for durability, longevity and high performance with long down time. The welding process developed and perfected by WedgeLock over many years is the heaviest utilized in the coupler business today.
  - The world’s only “one piece construction” hydraulic cylinder body for couplers eliminating port welding and potential feeder tube damage.
  - The Double Acting Cylinder also has a “Pilot Operated Safety Check Valve” and two port options for ease of hose routing and pressure testing.
  - The WedgeLock Multi-Mode® with I-Lock™ is available for machines from the 10k to 50k (22,000 Lbs to 110,000 Lbs) weight class and enables operators to connect to any attachment within the same weight class without having to modify existing buckets or attachments.
  - The WedgeLock OEM Custom FI™ with I-Lock™ is available for operators that require OEM fitment of their attachments to their coupler; the carrier machine can be either the same as the attachments or different. This feature is available for machines from the 10k to 100k (22,000 Lbs to 220,000 Lbs) weight class.

HERE’S HOW THE I-LOCK™ WORKS

Connection:

Step 1: The I-Lock™ Coupler has been designed to ensure that operators and co-workers can work within an environment that is safe from the potential hazards of changing buckets or attachments.

Step 2: The Safety Knuckle “INSTANTLY” latches over the attachment pin as soon as the operator engages the front jaw of the coupler. This automatic function removes the high risk of snapping an attachment during the changeover process.

Step 3: Once the operator has the Safety Knuckle engaged over the first pin, the attachment can be raised and the coupler moved to the fully sealed position. The Wedge Locking Plate is then activated by the electronic switch inside the cab to lock the coupler fully to the attachment.

Disconnection:

Step 1: To release the attachment the Wedge Locking Plate is disengaged first, leaving the Safety Knuckle fully latched onto the attachment secured to the coupler.

Step 2: When the operator is satisfied that the attachment is in a safe environment to be released, the operator moves the electronic switch to the “on” safety position. This operation activates the mechanism to release the Safety Knuckle.

Step 3: As soon as the Safety Knuckle has been retracted the operator can safely move the I-Lock™ Coupler away from the attachment pin fully disengaging the attachment from the coupler.

Ready to Re-connect: After 5 seconds the Safety Knuckle will automatically reseat to the SAFETY position and the I-Lock™ Coupler is ready to re-connect to another attachment.