

AMI HYDRAULIC COUPLERS

EXCAVATOR COUPLERS



AMI
ATTACHMENTS

www.amiattachments.com



HYDRAULIC COUPLERS

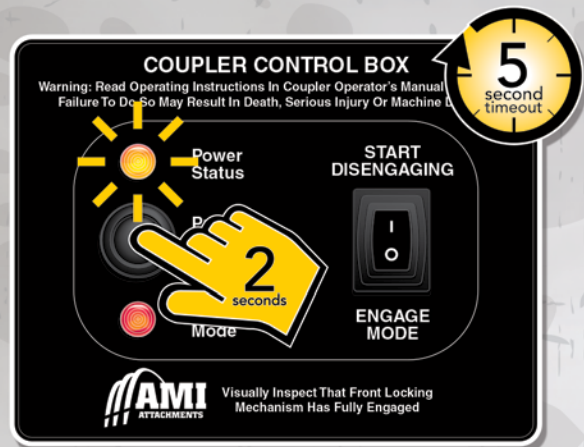
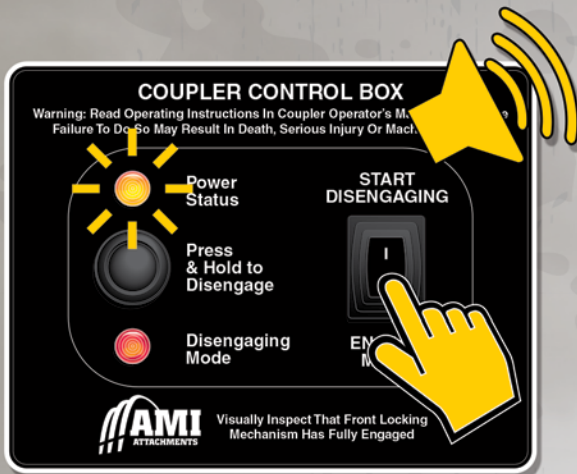
CONNECTING PRODUCTIVITY AND SAFETY

AMI Attachments has created the most advanced hydraulic couplers improving productivity and increasing jobsite safety and awareness.

The Hydraulic Power Wedge and Pin Grab couplers from AMI are complete systems with impressive hydraulic integration and user-friendliness. With AMI's unique in-cab controls, system pressure locks and visual safety locks these couplers hold your confidence as strongly as your attachment.

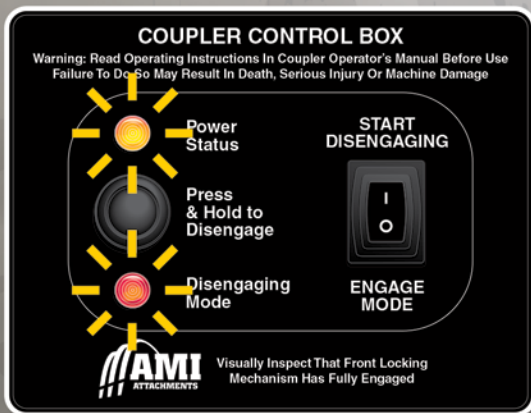
2 STAGE IN CAB CONTROLS

Easy to use and designed to prevent unintentional release, the in-cab controls require two unique actions to activate the hydraulic coupler's unlocking sequence.



1. Start the process by switching the engage mode on. The power status signal indicates that power is on accompanied by a continuous audio alarm.

2. Within 5 seconds, press and hold the disengage button for 2 seconds. After 5 seconds the control box times out preventing unintentional activation.



AUDIO ALERT

3. The Disengaging Mode signal light flashes, indicating the directional valve has now switched hydraulic pressure to the disengage side of the cylinder.

4. The audio alarm is now intermittent until the engagement switch is returned to Engaged Mode.

5. Hydraulic pressure is now ready to release the coupler however the pressure lock is required, ensuring the bucket is safely positioned before releasing.

SAFETY AT EVERY STEP

With dedicated hydraulic lines, hoses and valves tying directly into the machine's main pump delivering system pressure, auxiliary ports also remain available.

As safety standards becomes more stringent and productivity critical, talk to AMI Attachments about the value of hydraulic couplers for your excavator fleet.




**OPERATORS
CONTROLS**

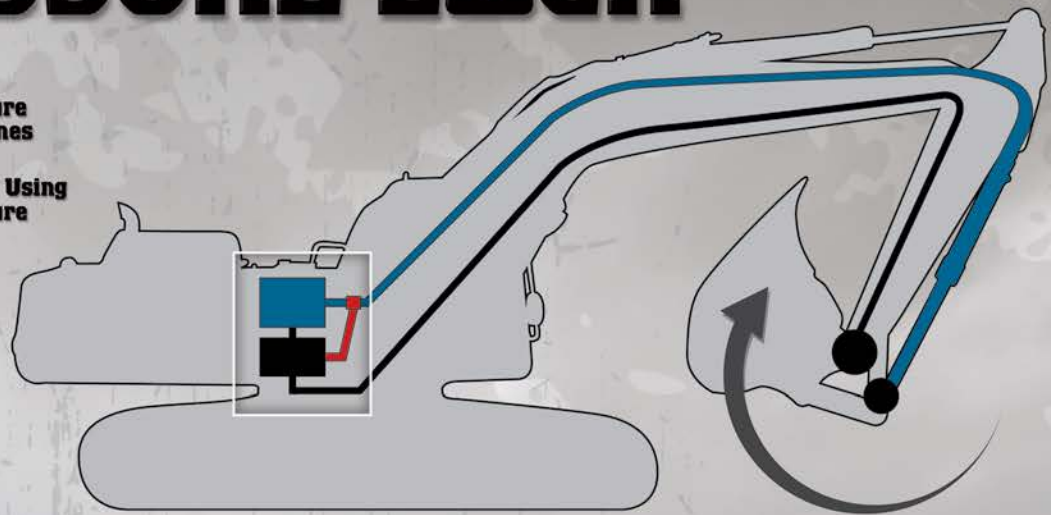
**SAFE
BUCKET
POSITIONING**

**SYSTEM
PRESSURE
LOSS PROTECTION**

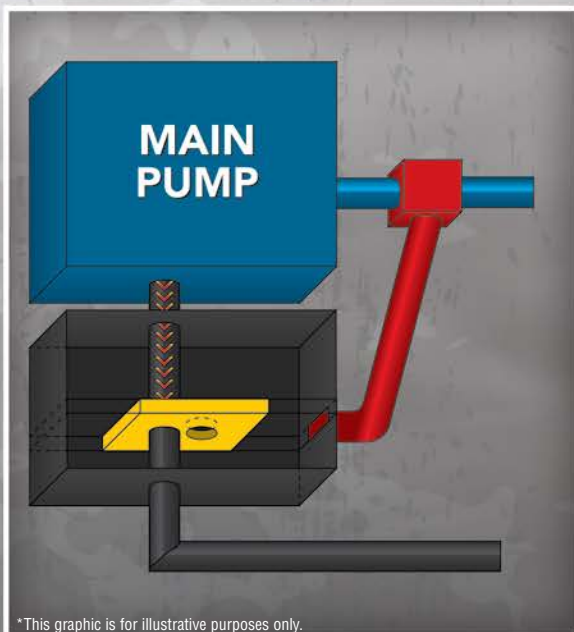
**VISUAL
MECHANICAL
SAFETY LOCK**

SECURE BUCKET POSITION PRESSURE LOCK

-  System Pressure Bucket Curl Lines
-  Pressure Lock Using System Pressure
-  Coupler Lines

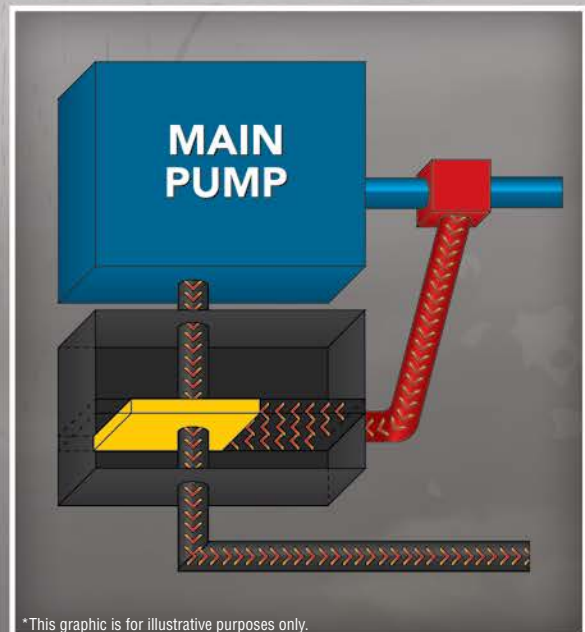


PRESSURE LOCK CLOSED*



*This graphic is for illustrative purposes only.

PRESSURE LOCK OPEN*



*This graphic is for illustrative purposes only.



POWER WEDGE

Truly the leader in hydraulic wedge couplers, AMI offers the most innovative design features including compact size (even on full-size excavators) and an exclusive mechanical safety lock like nothing else ever invented.

The wedge coupler system gives you the full power of your excavator without sacrificing break-out force. The unique bucket lugging keeps the pin-to-tip radius exactly to factory specification.

Installation includes dedicated lines connected to the main pump, keeping your auxiliary ports free.

The AMI Power Wedge is available for mini-ex, full size excavators and loader backhoes.



SEEING IS BELIEVING MECHANICAL AUTO SAFETY LOCK

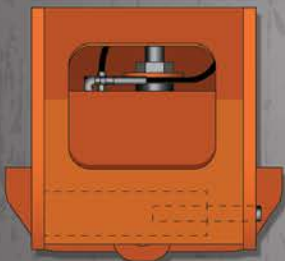
The most advanced safety lock available for hydraulic wedge couplers.

- **Automatic Mechanical Lock** – spring-loaded safety pin instantly locks the wedge.
- **Lock Status Visible from Cab** – operator can visually see if the safety lock is engaged.
- **Hydraulic Release** – opening the safety lock is activated from inside the cab.
- **Eliminate reliance on operator** – Safety is not dependent on if the operator physically inserts the safety pin.

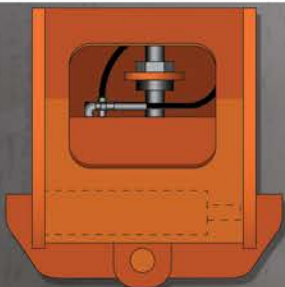
TOP VIEW

SIDE VIEW

LOCKED

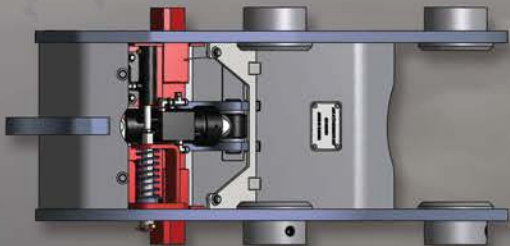


UNLOCKED



MAIN CYLINDER LOCK WITH PRESSURE LOSS PROTECTION

The cylinder lock has an integrated sequence valve that maintains pressure even in the event of system pressure failure. This prevents the attachment from releasing unintentionally.





HYDRAULIC PIN GRAB

Pick up your productivity safely with the AMI Hydraulic Pin Grab Coupler. Switching attachments becomes a task of seconds with fully functionality from inside the cab. Fitting the standard factory pin lugging of your machine, the AMI Hydraulic Pin Grab Coupler offers safety features that keep you working without worrying.

Installation includes dedicated lines connected to the main pump, keeping your auxiliary ports free.

The AMI Hydraulic Pin Grab is available for mini-ex, full size excavators and loader backhoes.





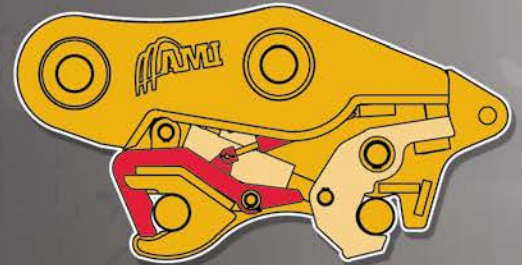
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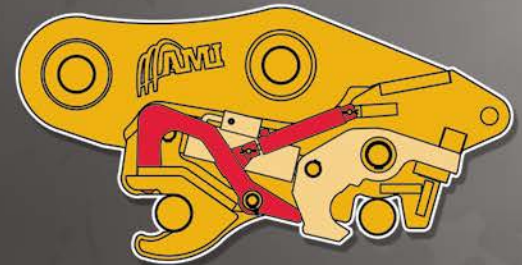
SIDE VIEW

DIAGRAM

LOCKED

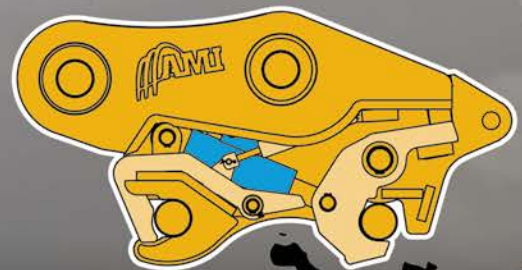


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MECHANICAL WEDGE

AMI Couplers gives you the advantages of a coupler without sacrificing your breakout force. The wedge-style adapter keeps the pivot point at the same height as a bucket attached directly to the boom. The adjustable wedge also provides a tight fit, eliminating slack.



MECHANICAL PIN GRAB

The spring-loaded mechanical pin grab connects quickly to your standard pin assembly attachments. Pin Grab couplers can reverse hold the buckets for easier backfilling. Minimizing wear overtime, AMI features a slack adjustment that keeps the bucket tight.



POWER TILT

The Power Tilt Coupler fits all of your attachments and gives them the capability to rotate 180 degrees.



All AMI products come with a standard 2 Year Warranty

Authorized Dealer

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Specifications are subject to change without notice.