

## The I-Lock™ Tilt Coupler with I-Lock Control System Delivers

*Provides easy  
interchange of  
attachments.*

- **INSTANT SAFETY KNUCKLE** - Automatically secures the attachment to the coupler the instant the front jaw comes into contact with the front attachment pin. This instant connection eliminates the risk of losing control of the bucket or attachment during the "high-risk" latching operation. This extremely important safety feature is unique to I-Lock.
- **TILT TECHNOLOGY** - World renowned POWERTILT from Helac. Enhancing productivity through better precision and control.
- **INTELLIGENT** - ICS (I-Lock Control System)
- **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** - Evolving technology. Refining simplicity. - The Wedgelock 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.

### FEATURES

- **AUTOMATIC RESET OF I-LOCK CONTROL SYSTEM (ICS)**  
The ICS automatically resets the Instant Safety Knuckle to the locked position, placing the coupler into safe mode. This feature on the electronic switch ensures that even if the operator does not release the attachment in the time permitted, the Safety Knuckle will automatically re-engage to the safe position.
- **CHECK VALVE** - Integrated within the primary cylinder the check valve prevents disengagement of the wedge in the event of reduction or loss of the engagement force.
- **AUDIBLE WARNING BUZZER** - Variable tones controlled by the ICS deliver a clear signal assisting the operator throughout the attachment change.
- **NEW TWO LINE CIRCUIT** - The built-in ICS (I-Lock Control System) enables enhanced functionality of the I-Lock Coupler, retaining the Instant Locking with a dual switch and two hydraulic lines.
- **PRIMARY WEDGE** - The engagement system incorporates the proven "Wedge Locking Principle" for the primary wedge, increasing the locking integrity ensuring both attachment pins remain locked and secure.
- **MULTI MODEL™** - Enables operators to connect to an array of attachments within the same weight class.

Wedgelo	Excavator	Part Number	Weight (est)	Coupler Base Pin	Base Width	PinØ	WLL	Tilt Angle
Weight Class	Machine Weight			Center (min/max)			(Lifting Eye)	
	Tons		lbs	in	in	mm	lbs	
028	2.3-2.8T	CMT-028	209	6.5/8.66	4.8	35/40	4,400	180°
037	2.9-3.7T	CMT-037	214	6.5/8.66	4.8	35/40	4,400	180°
045-055	3.6-5.5T	CMT-045-055	324	8.58/10.63	5.7	45/50	4,400	180°
070	5.6-7.0T	CMT-070	428	11.4/12.28	6.5	45/50	8,800	180°
130	10.0-13.0T	CMT-130	761	13.97/16.5	8.6	60/65	17,635	120°
170	14.0-17.0T	CMT-170-70	1,157	15.75/18.3	11.0	70	17,635	120°
170	14.0-17.0T	CMT-170-80	1,213	15.35/17.12	11.8	80	17,635	120°
210	18.0-21.0T	CMT-210	1,213	16.9/19	11.8	80	17,635	120°

► HEALC PowerTilt Rotary Actuator Circuit Pressure Range - 3625-3770 PSI (applies to all models)

► Two-way auxiliary hydraulic circuit is required for tilt function.

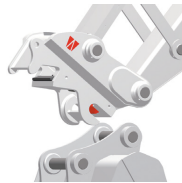
\*I-Lock Coupler models from 028 to 450 are designed with multi-model capability. This will enable the operator to connect to an array of attachments in the same weight class. Compatibility is subject to attachment design and specification. Specifications are subject to change without notice.

## HERE'S HOW THE I-LOCK™ WORKS

### CONNECTION

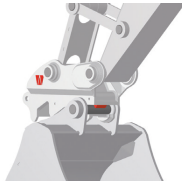
#### STEP 1

The Wedgelo 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.



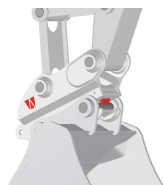
#### STEP 2

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 dropping an attachment during the changeover process.



#### STEP 3

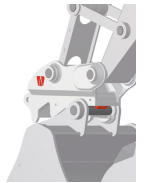
Once the operator has the Safety Knuckle engaged over the first pin, the attachment can be raised and the coupler crowded to the fully seated position. The Wedge Locking Plate is then activated by the electronic switch inside the cab to lock the coupler fully to the attachment.



### DISCONNECTION

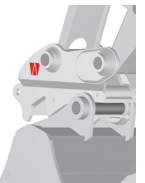
#### STEP 1

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



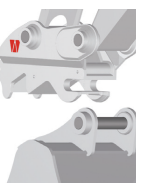
#### STEP 2

When the operator is satisfied that the attachment is in a safe environment to be released, the operator moves the electronic switch to the "un-lock safety" position. This operation activates the mechanism to raise the Safety Knuckle.



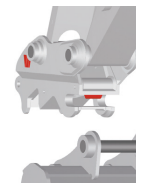
#### STEP 3

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



### READY TO RE-CONNECT

After 10 seconds, the Safety Knuckle will automatically reset to the SAFE position and the Wedgelo I-Lock™ Coupler is ready to re-connect to another attachment.



Protected coupler hosing ported through the tilt connection.

