

BEST SOLUTIONS FOR MOUNTING WHEEL ALIGNMENT TARGETS AND CLAMPS



TYPE OF CLAMPS

Wide range of application, passenger cars and light duty trucks, standard OEM production

TRUCK CLASSES

CLASS AND WEIGHT	COVERAGE
Class 1 truck 0 -6000 pounds	Yes
Class 2 truck 6,001 to 10,000 pounds	Yes
Class 3 truck 10,001 to 14,000 pounds	Yes
Class 4 truck 14,001 to 16,000 pounds	Yes
Class 5 truck 16,001 to 19,500 pounds	Some
Class 6 truck 16,001 to 26,000 pounds	No
Class 7 truck 26,001 to 33,000 pounds	No
Class 8 truck 33,000 pounds and over	No

- Always consider the overall weight of the vehicle
- Two wheel only alignments are possible on some vehicles
- Clamp extensions may be required for class 3 and up
 - AC200
 - AC400 extension part # EAK0305J50A

“Which is the best clamping solution for my applications”

(1)

Tire clamp

(2)

Wheel clamp

(3)

Tire clamp kit

For use with AC 200 wheel clamps

APPLICATION

“Which is the best clamping solution for my applications”

Wide range of application, passenger cars and light duty trucks, standard OEM production

AC 200 Wheel Clamp

- Standard OEM production, passenger cars, SUV's and light duty trucks up to 1ton
- Aftermarket tires and wheels
- Powder coated and or painted wheels use AC200 with EAK0268J63A kit
- Carbon fiber wheels use AC200 with EAK0268J63A kit (minimum wheel surface contact)
- All aspect ratios

AC 400 Tire Clamp

- Standard OEM production, passenger cars, SUV's and light duty trucks up to 1ton
- Aftermarket tires and wheels with a tire aspect ratio of 55 or less
- 55 series or less
- Ideal for UHP and run-flat tires
- Ideal for carbon fiber wheels (no wheel surface contact)
- Ideal for quick alignment check

IMPROVE PERFORMANCE

The AC400 is a highly precise measuring device and is sensitive to wheel and tire position

AC 400 Tire Clamp

“In some cases, the tire is a flexible membrane”



- Customer wants to use AC400 clamps on pick up trucks with high aspect ratio tires, not a problem, here is the procedure and solution for that:
- Perform a new compensation after a post elevated mode adjustment when using the AC400 on a high aspect ratio tire (60 and up), off-road and mudder tires
- Never use the tire and wheel to steer for caster measurement or other measurements, always steer the front wheels using the steering wheel

(1) AC400 TIRE CLAMP



Fast and easy to use, the AC400 Touchless Alignment Wheel Clamp provides secure clamping without touching the rim.

TIRE CLAMP

For use on steel, alloy, and carbon fiber wheels with tires that have an aspect ratio of 55 or less.

AC 400 wheel clamps mount directly to the tire and do not contact the wheel's surface at any point.

AC400 clamps were designed for speed and ease of use.

They are constructed of magnesium and weight approximately 7lbs.

AC 400 self centering tire clamp



DUALLY ADAPTERS

AC 400 clamp dually adapters (EAK0305J50A)

Extension paws for AC 400 clamps for usage on the front wheels dual rear wheel vehicles and 4X4

4X4 adapters are mounted on the front clamps to provide additional clearance between the wheel's hub and the clamp itself.

No additional adapters required for the rear wheels

Extensions provide additional clearance on 4X4 vehicles



TIRE CLAMP

Wider paws are required for mudder or off road applications and 4X4 with high positive offset wheel centers.

4X4 adapters are mounted on the front clamps to provide additional clearance between the wheel's hub and the clamp itself.

Use two sets of dually wheel adapters on off-road and mudder types of tires

AC 400 clamp dually adapters (EAK0305J50A)



1 set = 6 paws for 2 AC400 clamps

High void-to-rubber ratio on the outside of the tire delivers extreme off-road traction. This design requires the wider tire paws or dually adapters part # EAK0305J50A.

Two sets one for both front clamps and one set for both rear clamps

Aggressive open shoulder design features scalloped tread blocks for greater traction and mobility on soft surfaces. Recommend AC200 wheel clamps and clamp from the inside of rim

Narrow rim lip
Makes it difficult to insert rim claws
Easier and faster to use AC200 clamps



TIRE CLAMP

Wide range of application, passenger cars and light duty trucks, standard OEM production

TRUCK CLASSES

CLASS AND WEIGHT

Class 1 truck 0 -6000 pounds
Class 2 truck 6,001 to 10,000 pounds
Class 3 truck 10,001 to 14,000 pounds
Class 4 truck 14,001 to 16,000 pounds
Class 5 truck 16,001 to 19,500 pounds
Class 6 truck 16,001 to 26,000 pounds
Class 7 truck 26,001 to 33,000 pounds
Class 8 truck 33,000 pounds and over

COVERAGE

Yes
Yes
Yes
Yes
Some
No
No
No

- Always consider the overall weight of the vehicle
- Two wheel only alignments are possible on some vehicles
- Clamp extensions may be required for class 3 and up
 - AC200 extension part # EAK0289J62B
 - AC400 extension part # EAK0305J50A

AC 400 clamp range



(2) AC 200 WHEEL CLAMP



Description	Part Number
Wheel Clamp Kit – Conventional 2 CCD clamps and bungee cords, boxed with rim claws	EAK0268J42A
Wheel Clamp – Conventional (Service) 1 CCD clamp and bungee cord, boxed with rim claws	EAK0268J55A
Rim Clamp / Target Set 4 clamps with targets mounted and bungee cords, boxed with rim claws	EAK0268J52A
Wheel Clamp Kit – Imaging 2 front & 2 rear imaging clamps and bungee cords, boxed with rim claws	EAK0268J64A
Wheel Clamp – Imaging, Front (Service) 1 front clamps and bungee cords, boxed with rim claws	EAK0268J56A
Wheel Clamp – Imaging, Rear (Service) 1 rear clamp and bungee cord, boxed with rim claws	EAK0268J57A
Extension Kit – Single Clamp 4 extensions for 1 clamp	EAK0268J40A
Extension Kit – Complete Aligner 16 extensions for 4 clamps or 1 aligner	EAK0268J62A
Rim Claw Kit 4 dual-end rim claws for 1 clamp	EAK0268J41A
O-Ring Kit 32 o-rings to service 4 clamps	EAK0268J51A
Tire Clamp Kit 4 tire clamps and 2 sets of claw sleeves	EAK0268J63A

WHEEL CLAMP

AC 200 clamp with double sided claws

For use on steel and alloy wheels with high aspect ratio tires such as 65 series and off-road "mudder" tires such as a MAXXIS MT-764 BUCKSHOT II 27/8.50R-14L

AC 200 wheel clamps mount directly to the wheel's outer rim edge and provide a positive engagement on heavier vehicles.

Great for wheels off and elevated adjustment procedures.

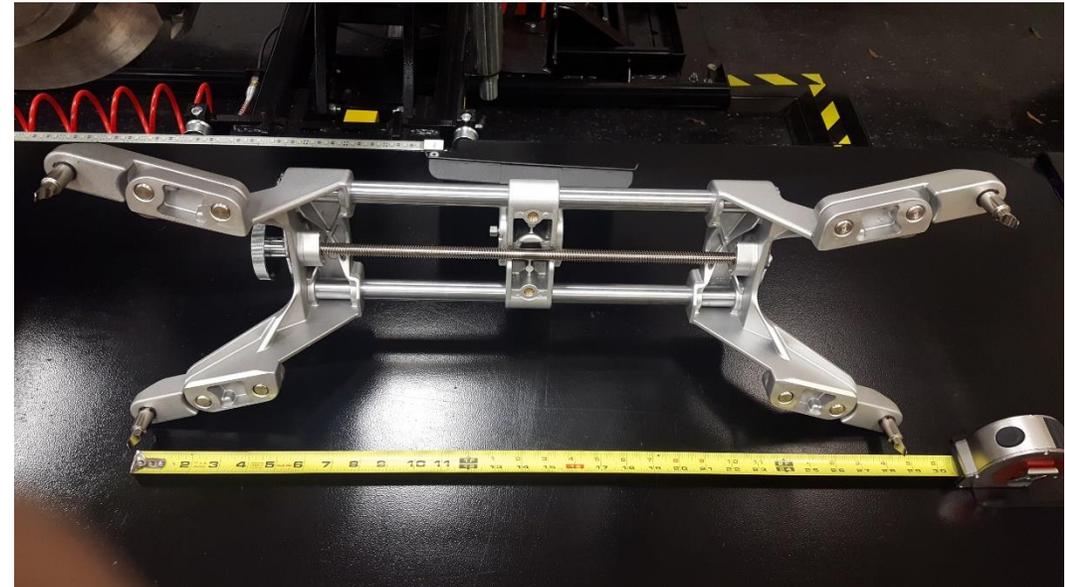
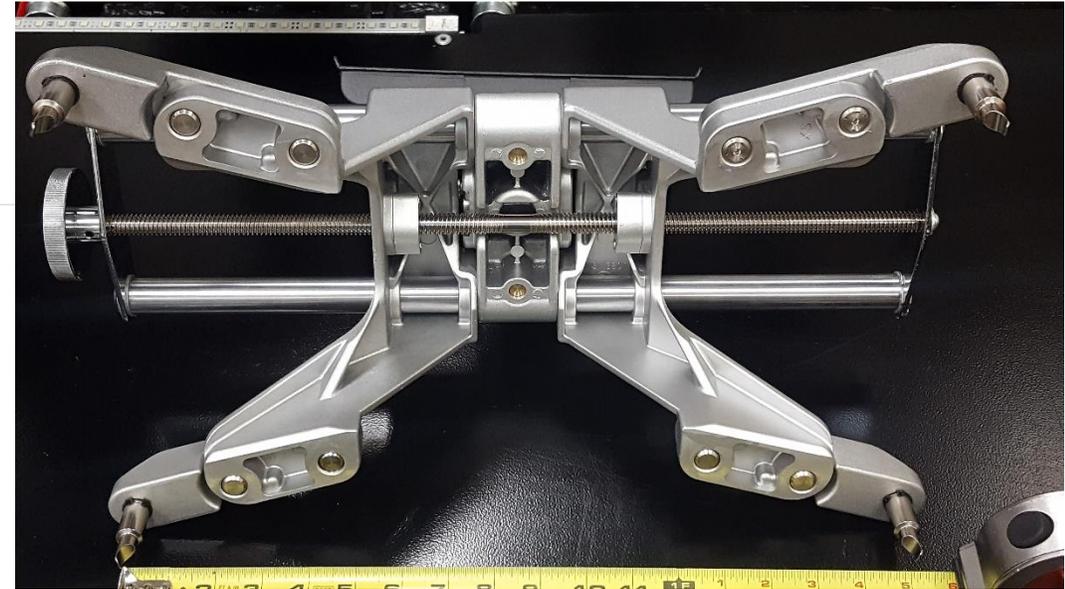


AC 200 RANGE

AC 200 clamp extensions
EAK0268J62A

Add more range to the AC200
clamp

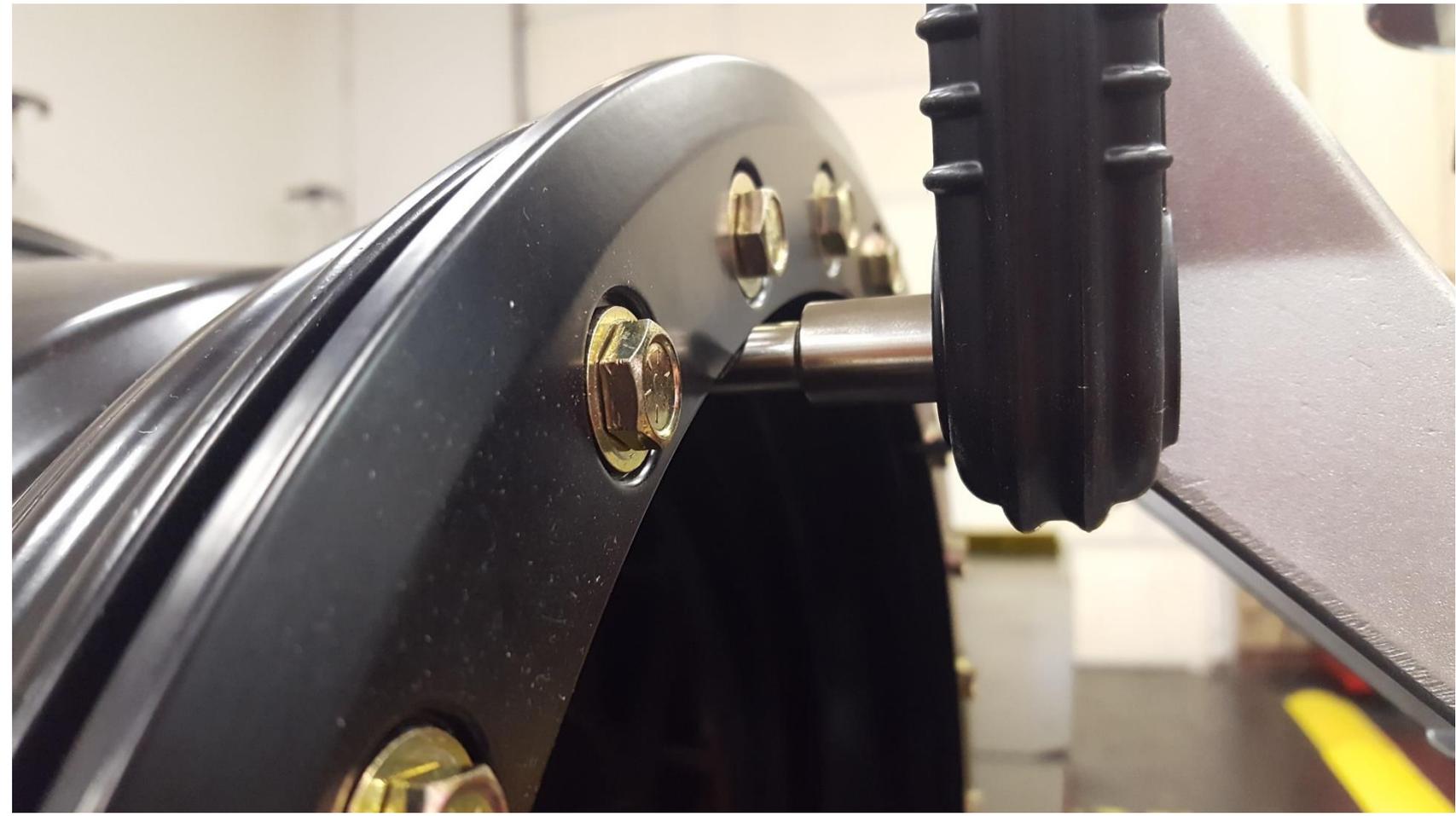
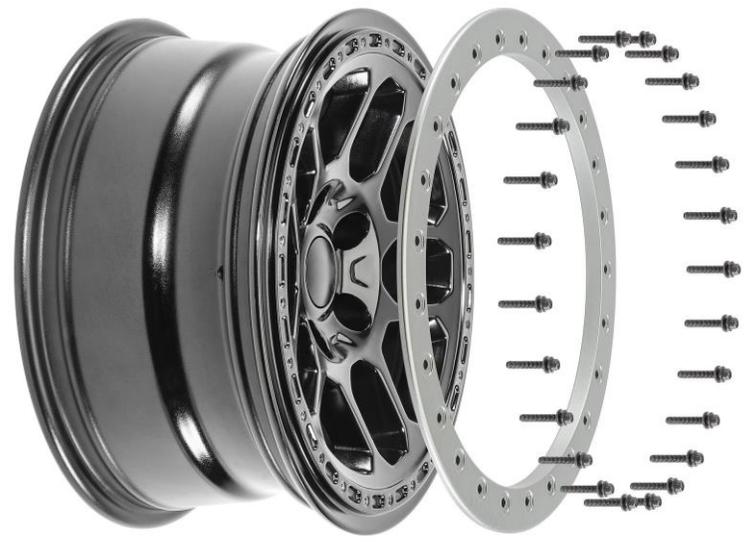
Fully extended up to 29" (28" rim)
Fully retracted 17"



BEAD LOCK WHEELS

AC 200 clamp with single side claws

For Beadlock style wheels, use AC200, reverse the claws, and clamp from the inside

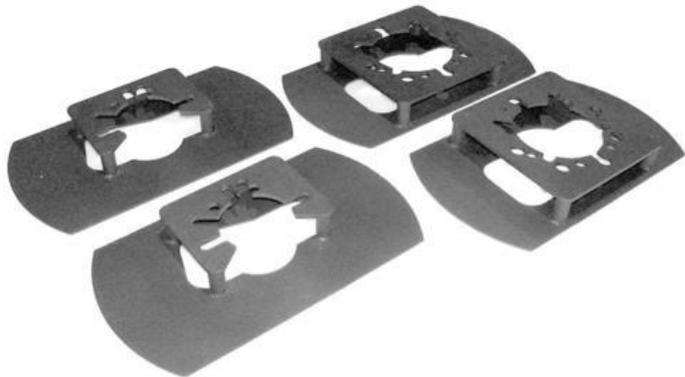


WHEELS OFF

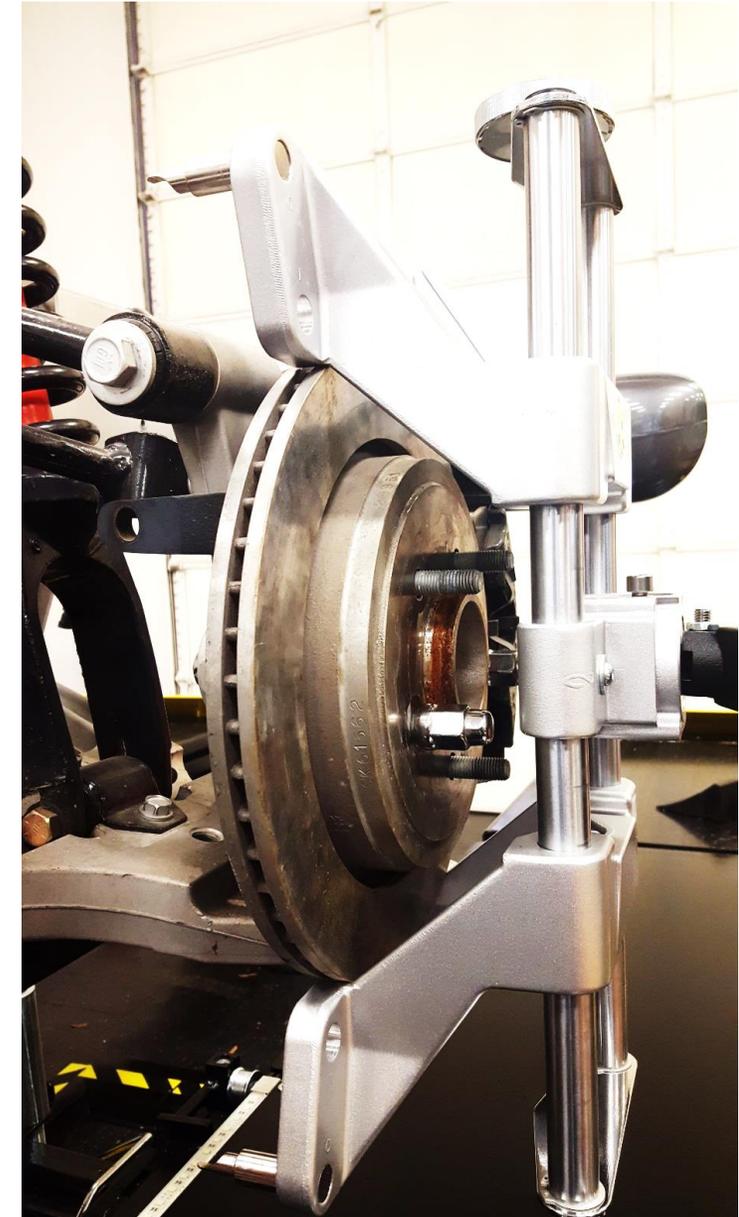
Wheel off mounting

Can be used for wheels off
ADJUSTMENT ONLY procedures
and mounted directly to the disk in
most cases. In some cases, wheels
off adapters may be required

(**EAK0222J83B** for both the AC200
and AC 400 style of clamps)



Mount wheel clamp to the
brake disk without the use of
special adapters for
ADJUSTMENT ONLY



DUALY ADAPTERS

Dually adapters **EAK0289J62B**
Dual rear wheel vehicles, 4X4, and motorhomes

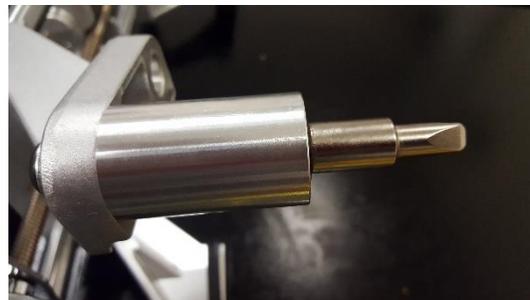
AC 200\700 2" clamp extension kit,
moves the clamp out allowing
clearance for 4X4 hubs

AC 200\700 2" extensions

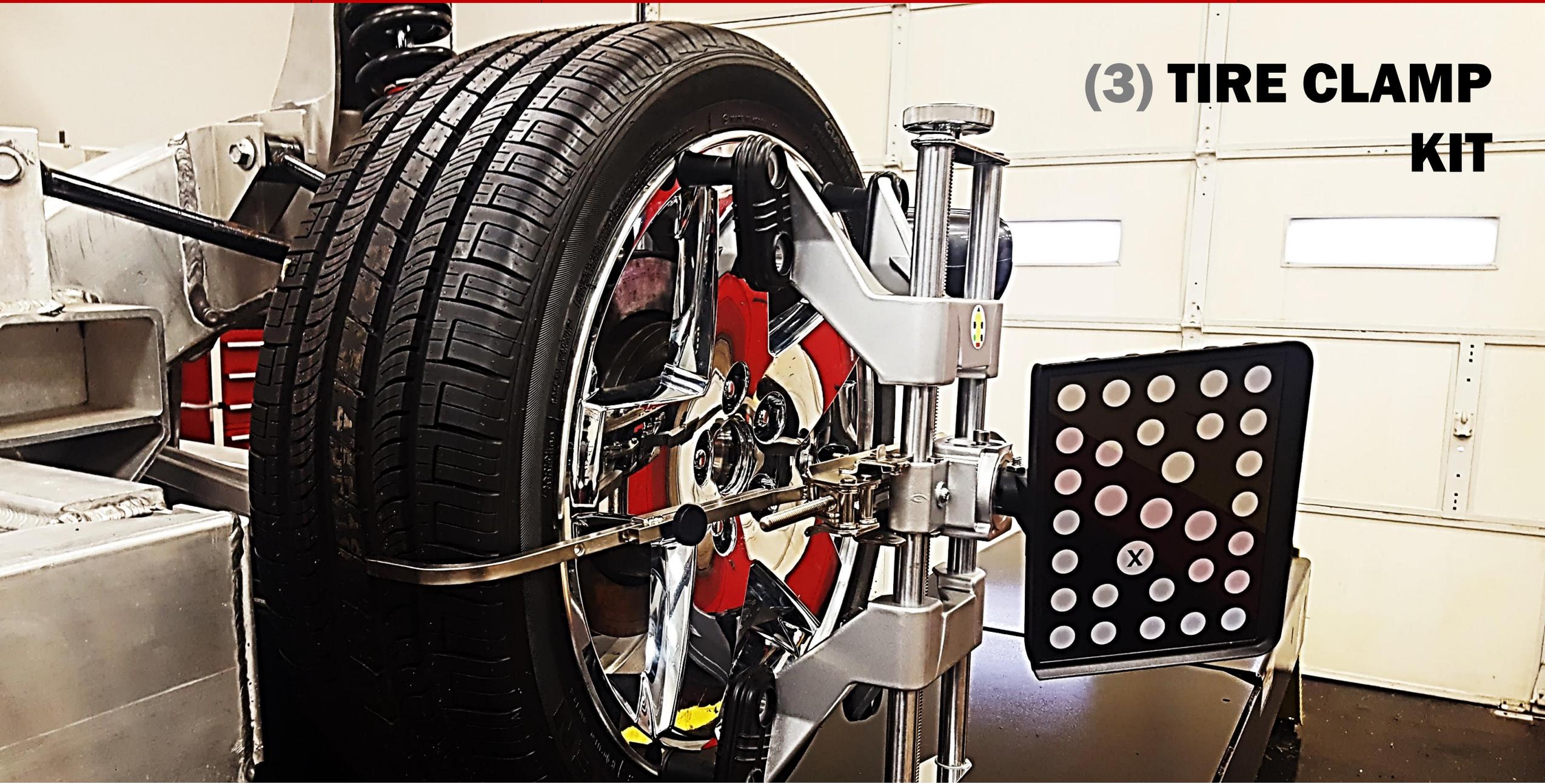
4 adapters per clamp with mounting
hardware

EAK0289J62B contains sixteen adapters
and mounting hardware to fit four clamps

Can be used on the front wheel of dual
wheel vehicles to clear the hub



**(3) TIRE CLAMP
KIT**



HYBRID WHEEL CLAMP KIT

EAK0268J63A

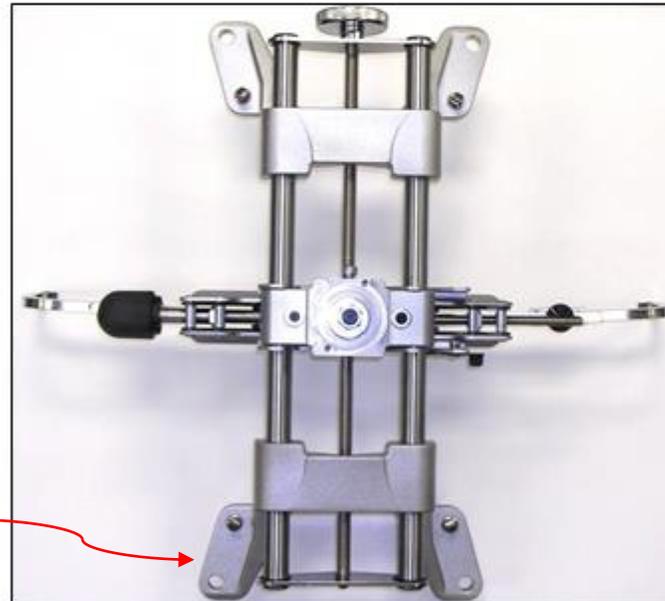
Consist of four tire grabbers and 32 plastic adapters

This clamping system offers a solution for customers with AC200 clamps that work on custom wheels



Tire Clamp Kit

Kit P/N: EAK0268J63A
Clamps per kit: 4
Sleeves per kit: 32
Kits per aligner: 1



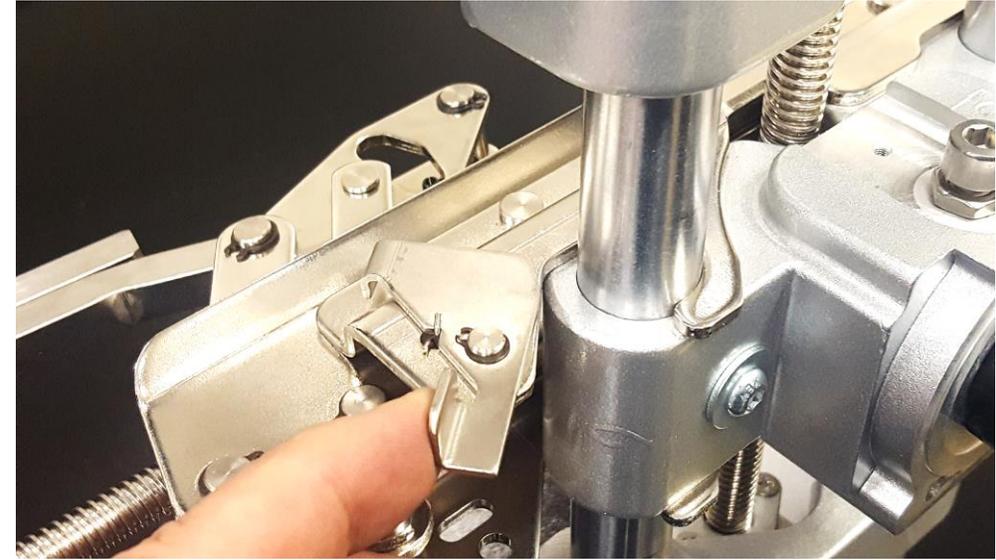
AC 200 CLAMP NOT INCLUDED IN THE KIT



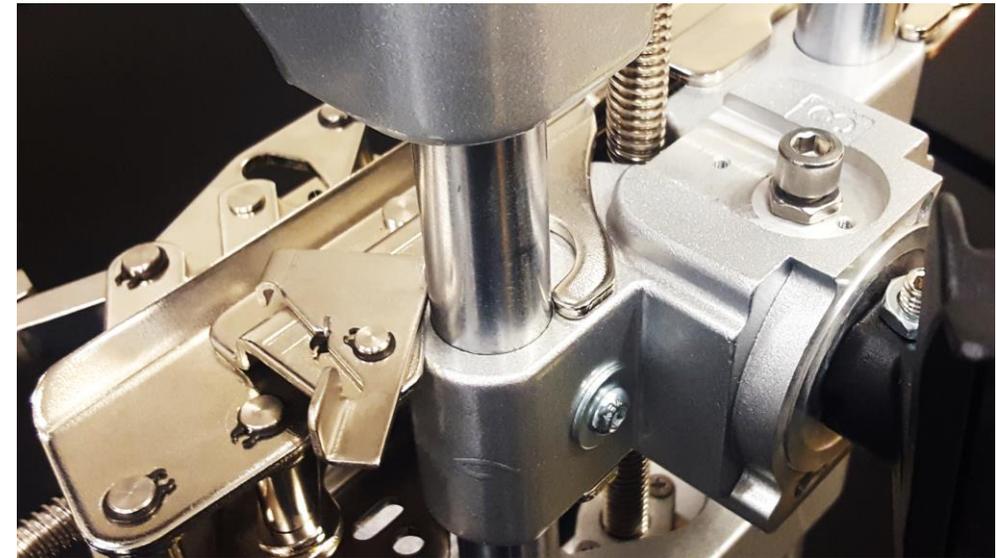
HYBRID CLAMP

Easy set up, simply unlock and slide over the center clamp hub and release the lock.

AC 200 clamp with tire gabbers and rim protectors



Slide over until the lock is fully engaged



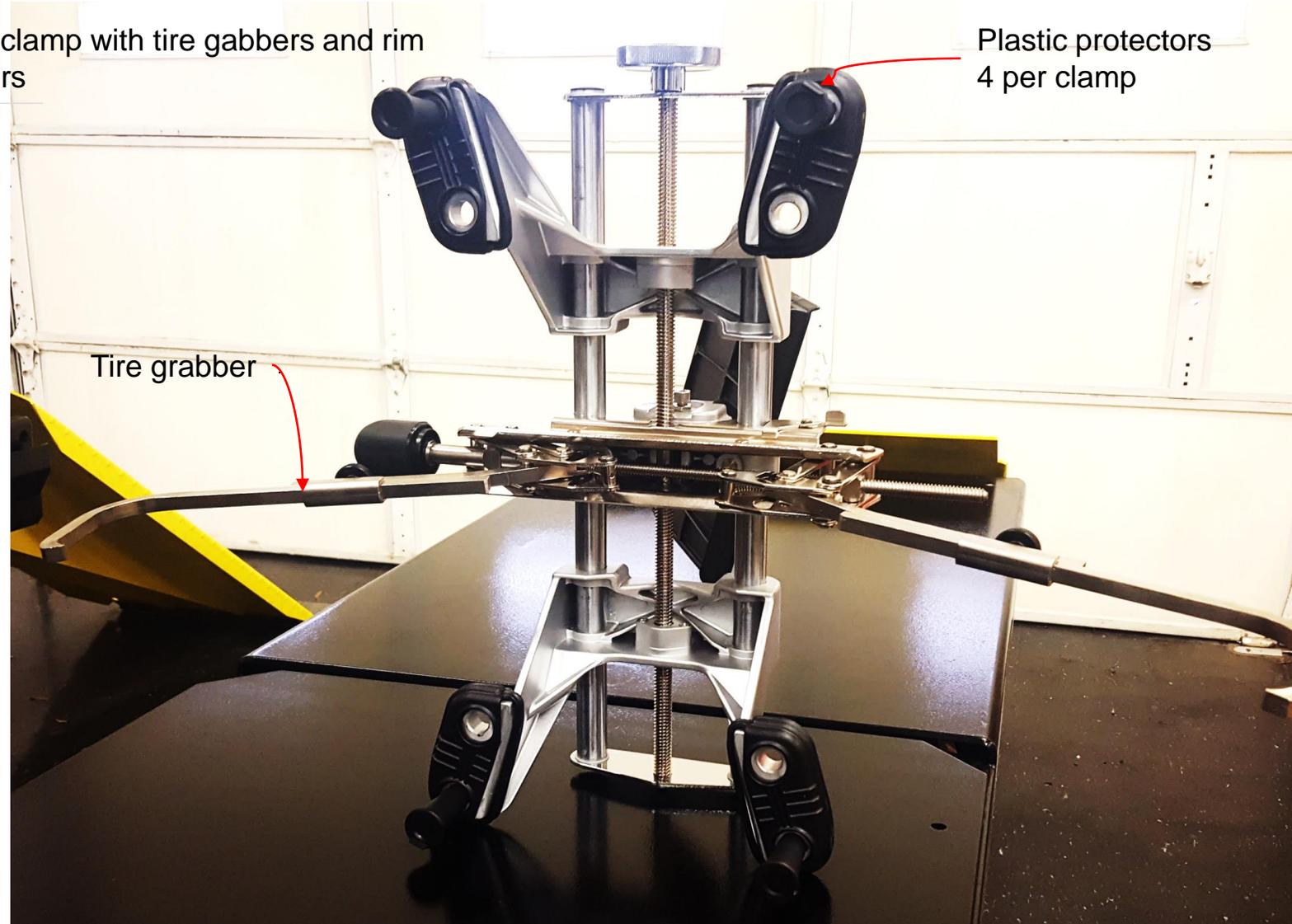
HYBRID CLAMP

For use on alloy and steel painted or powder coated wheels.

Work well on high and low aspect ratio tires and mudder tire and:

- Steel wheel
- Alloy wheel
- Carbon fiber wheel
- Bead lock wheels

AC 200 clamp with tire grabbers and rim protectors



Plastic protectors
4 per clamp

Tire grabber

HYBRID CLAMP

Small plastic protectors slide over the wheel clamp's claw

- Fast set up
- Rim protection



AC 200 clamp with tire gabbers and rim protectors

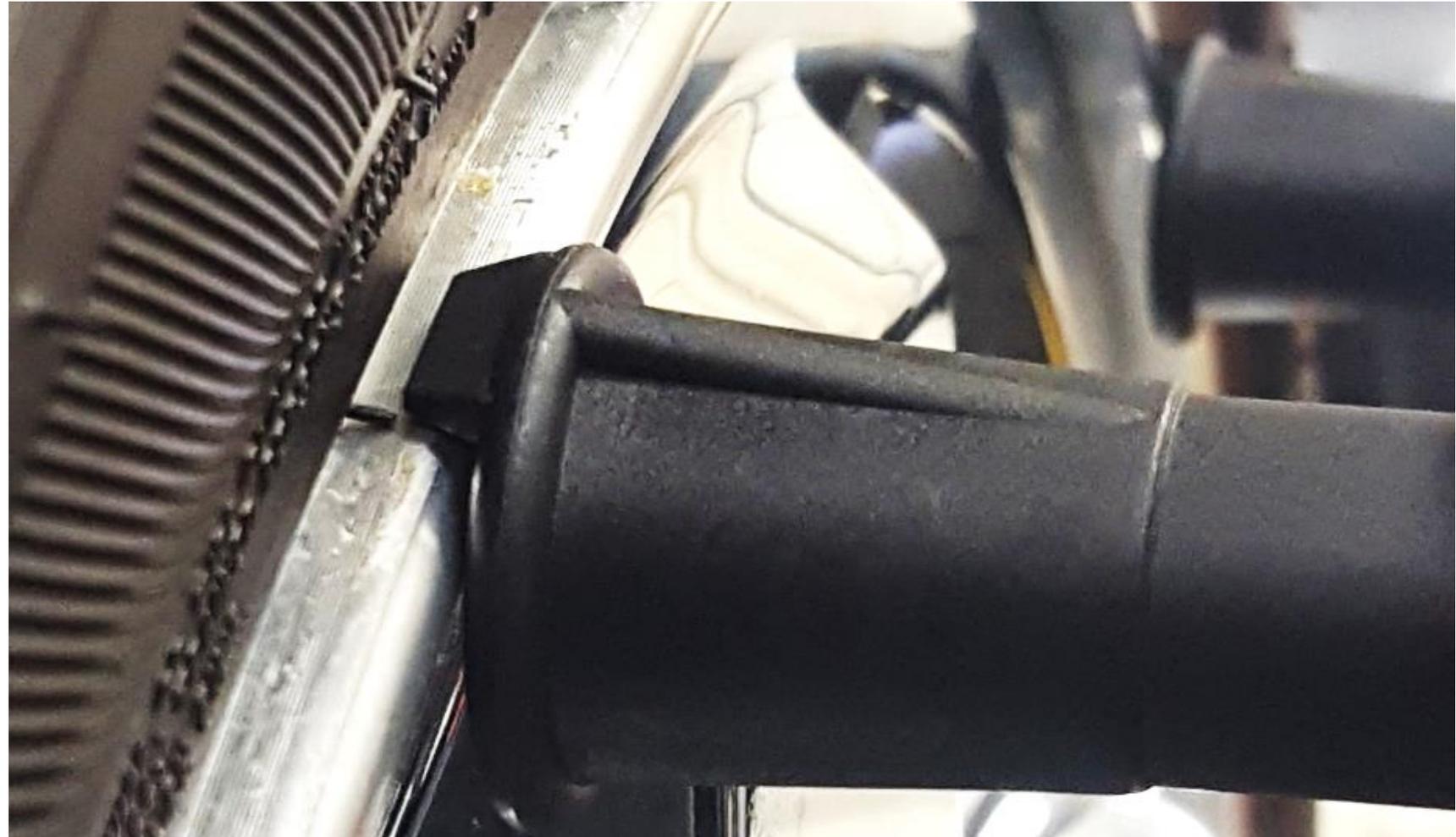


HYBRID CLAMP

AC 200 clamp with tire gabbers and rim protectors

The plastic wheel protectors rests against the rim's edge to position the clamp on the wheel.

Allows for AC200 use on custom, painted, powder coated or clad wheels.

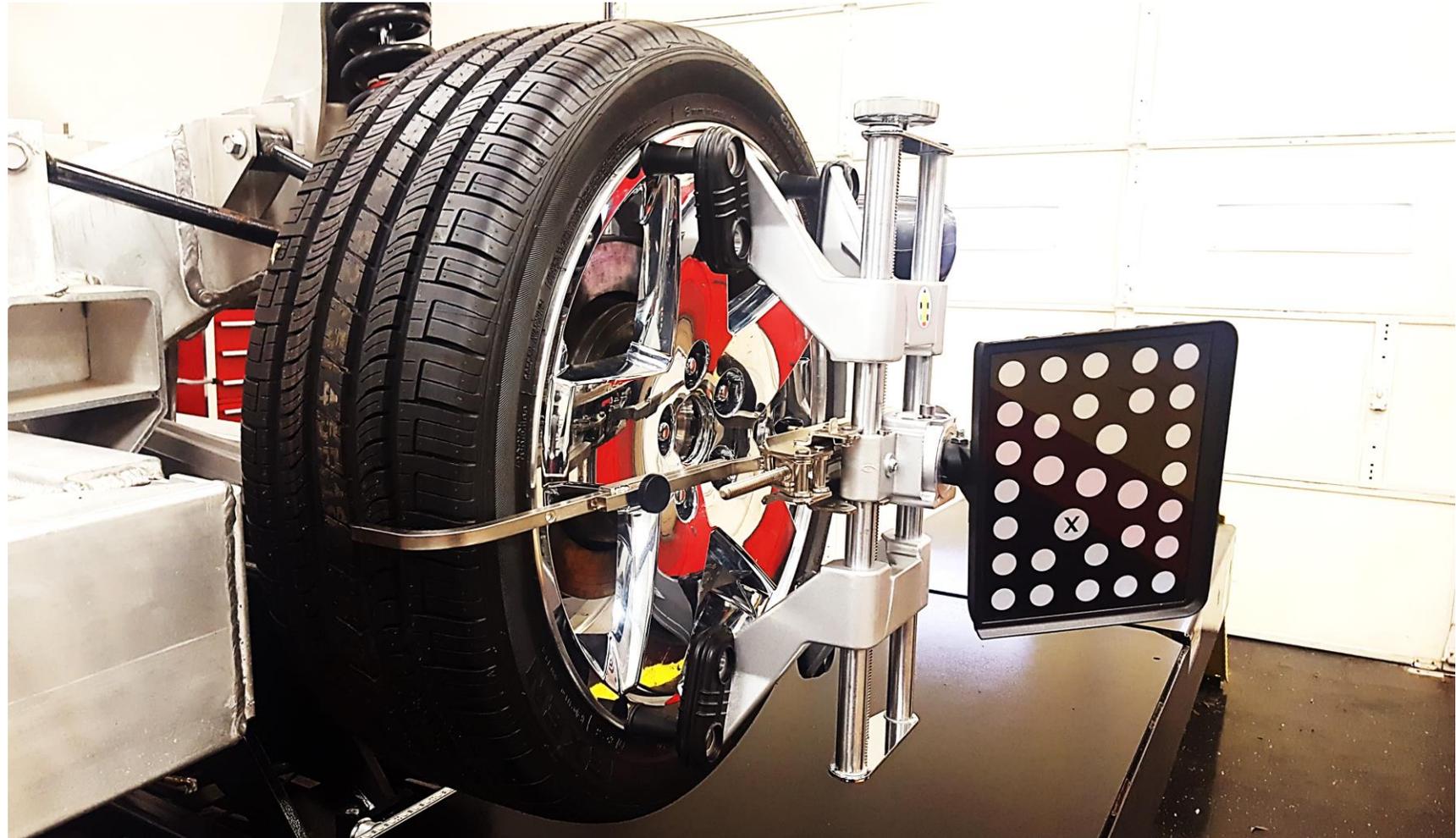


HYBRID CLAMP

Fully mounted clamp with plastic rim protectors and tire grabber

- Minimum wheel contact
- No steel-to-steel contact
- Universal application

AC 200 clamp with tire gabbers and rim protectors



APPLICATION CHART

Model	Clamp	Description	Aspect Ratio	Tire Type	AC200 2 SIDED CLAWS	AC 400 DUALY ADAPTERS		28" AC200 CLAMP EXTENSIONS	HYBRID CLAMP ADAPTERS	2" AC200 Claw Extension
					EAK0268J41B	EAK0305J50A Dual wheel only Mudder tires		EAK0268J62A	EAK0268J63A	EAK0289J62B
V3300	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
	AC400	Passenger cars and light duty trucks (up to 1ton) standard OEM product	55 and lower	Standard UHP Runflat		1 Kit	2 Kits			
V2100	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
V1200	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
V3400	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
	AC400	Passenger cars and light duty trucks (up to 1ton) standard OEM product	55 and lower	Standard UHP Runflat		1 Kit	2 Kits			
V2400	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
	AC400	Passenger cars and light duty trucks (up to 1ton) standard OEM product	55 and lower	Standard UHP Runflat		1 Kit	2 Kits			
V2300	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
	AC400	Passenger cars and light duty trucks (up to 1ton) standard OEM product	55 and lower	Standard UHP Runflat		1 Kit	2 Kits			
V2200	AC200	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	Standard UHP Runflat OffRoad (Mudder)	4 Kits			1 Kit	1 Kit	1 Kit
V3450	AC400	Passenger cars and light duty trucks (up to 1ton) standard OEM product	All	All tires		1 Kit	2 Kits			

EAK0268J41B Double side claw kit for AC 200. Allows AC200 clamp mounting on wheels that have the wheel cover extend all the way to edge of the rim and are retained in place by the lug nuts. 1 kit contains 4 claws | 1 kit per clamp

EAK0305J50A AC 400 tire clamp dual wheel adapter kit, Provide additional clearance for 4X4 hubs on the front. Contains 6 extension paws for 2 clamps

EAK0268J62A AC 200\700 wheel clamp extension. Extended the clamping range to 28"

Use 2 kits when dealing with off road or mudder type tires

EAK0268J63A AC 200\700 tire grabber kit. Contains 4 tire grabbers a with an assortment of rim claw plastic protectors. Facilitates mounting of AC 200 clamps on painted or powder coated wheels

EAK0289J62B AC 200\700 2" extension kit. Provide additional clearance for the front 4X4 hubs