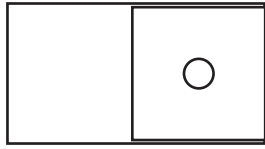
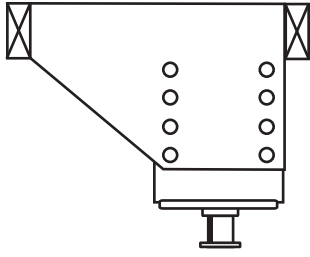


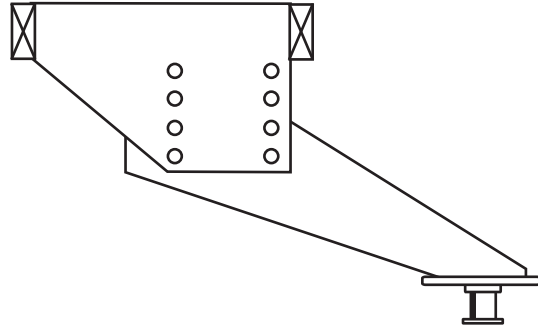
King Pin Trailer vs Truck Cab.

Key Pin Box Identifier

Straight King Pin Box

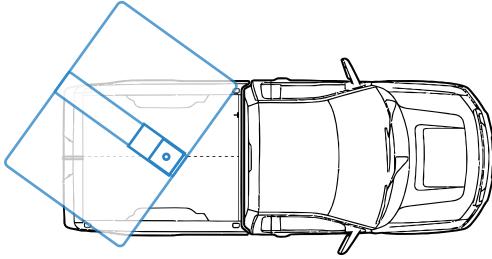
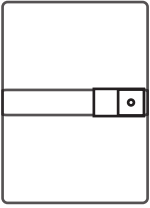


Extended King Pin Box

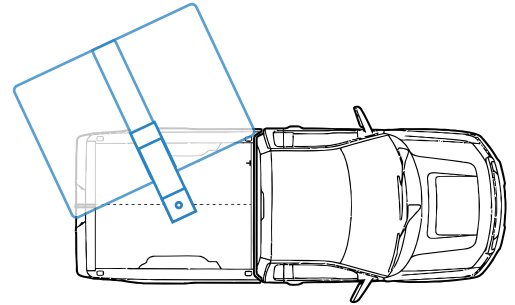
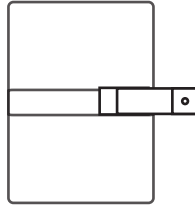


Trailer Type with Turning Radius Restriction

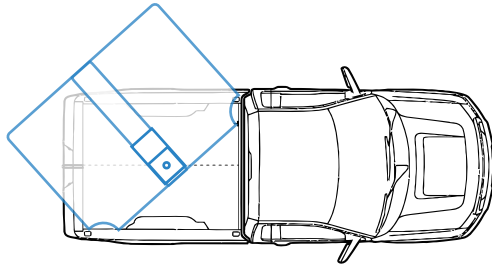
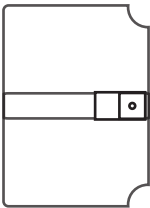
Square overhang



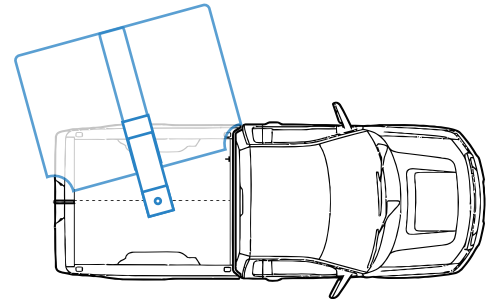
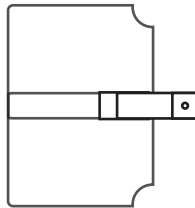
Square overhang



Concave overhang

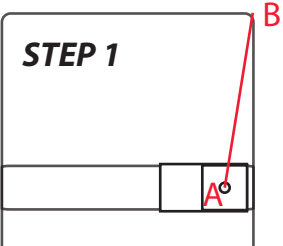


Concave overhang



Measuring

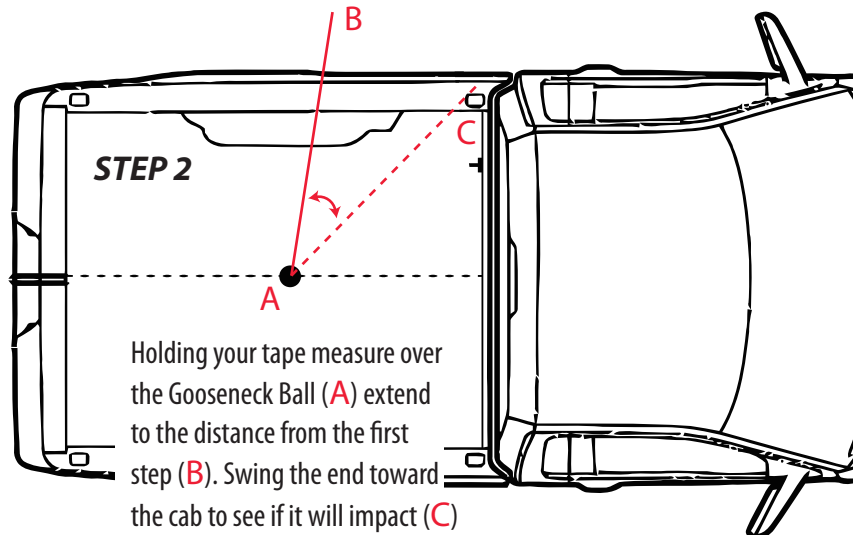
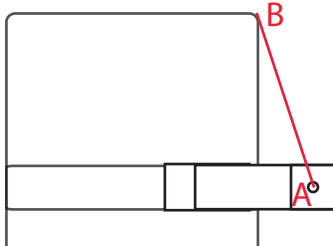
Square overhang



STEP 1

Measure from the center of the king pin (A) to the farthest corner of the overhang (B).

Square overhang

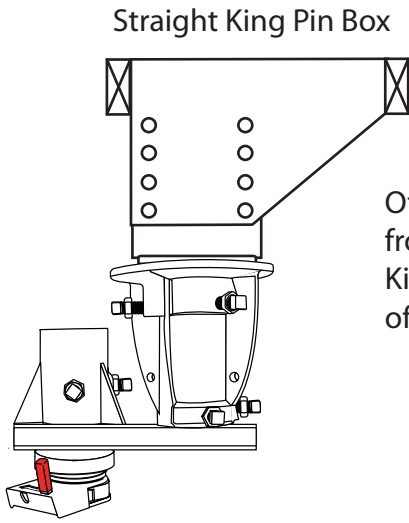


STEP 2

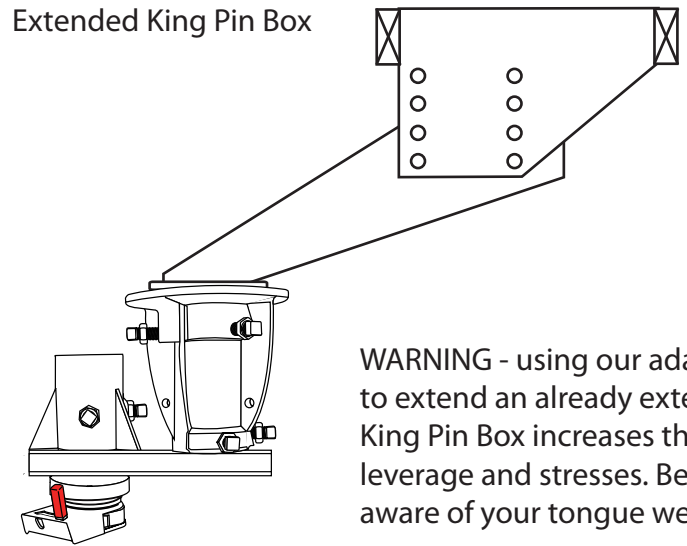
Holding your tape measure over the Gooseneck Ball (A) extend to the distance from the first step (B). Swing the end toward the cab to see if it will impact (C)

Keeping Trailer Overhang and Cab apart

Convert-A-Ball C5GX1216 Offset Adapter



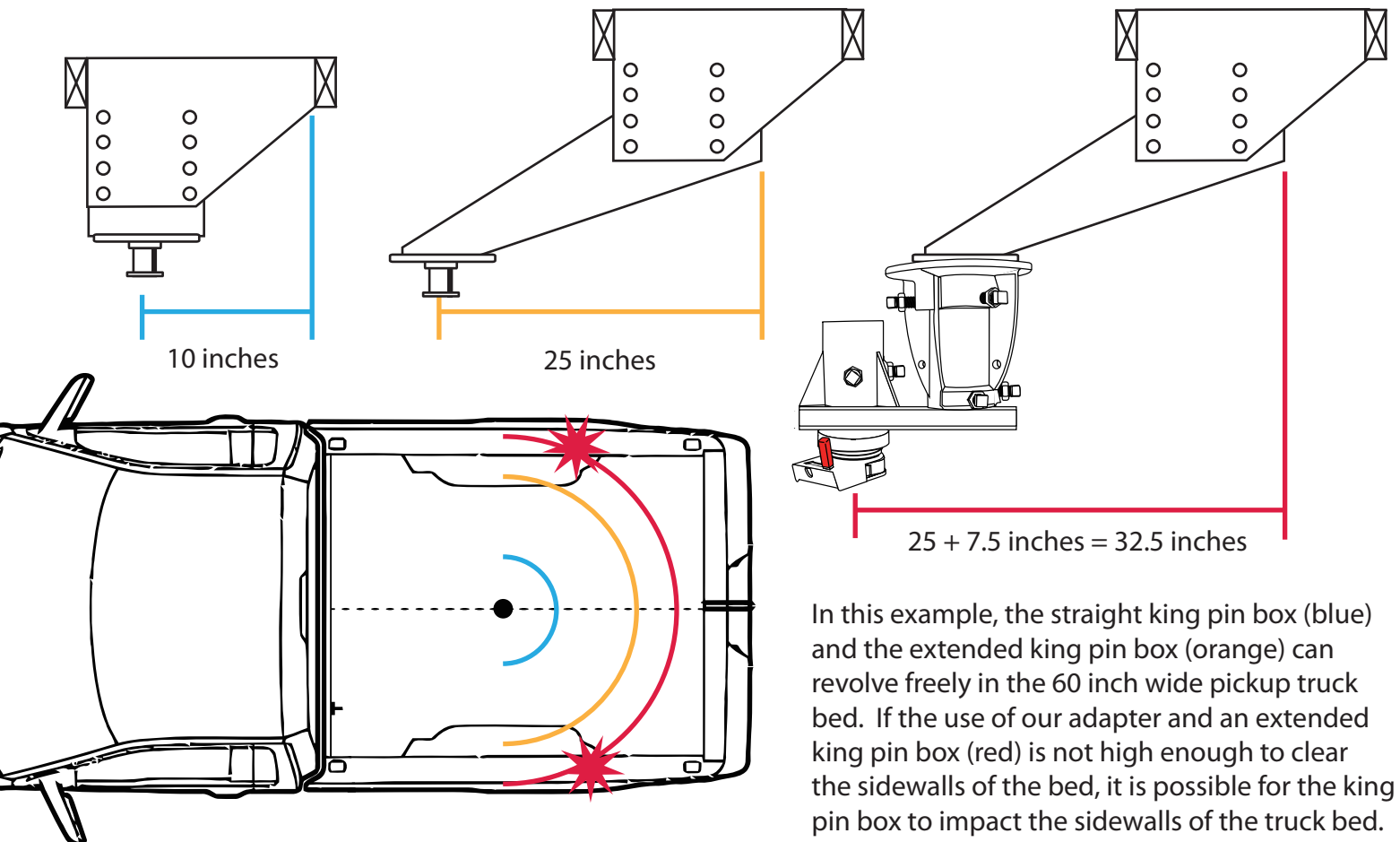
Offsets 7-1/2 inches from the center of the King Pin to the Center of the Gooseneck Ball.



To make sure the offset will give you enough room, repeat the Step 2 measurement from the previous page but add 7-1/2 inches to distance from the center of the kingpin to the edge of the trailer corner.

Turning Radius Concern with the C5GX1216

In moving the cab of the truck and the nose of the trailer apart, the use of our adapter increases the overall length of the king pin box. If the rear of the king pin box does not clear the sidewalls of the pickup truck bed, there is a risk that using the offset adapter could cause the king pin box to impact sidewalls.

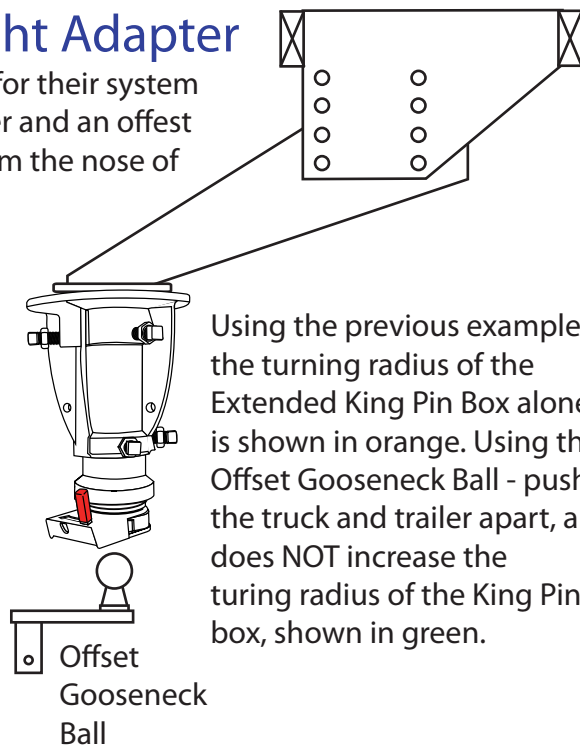
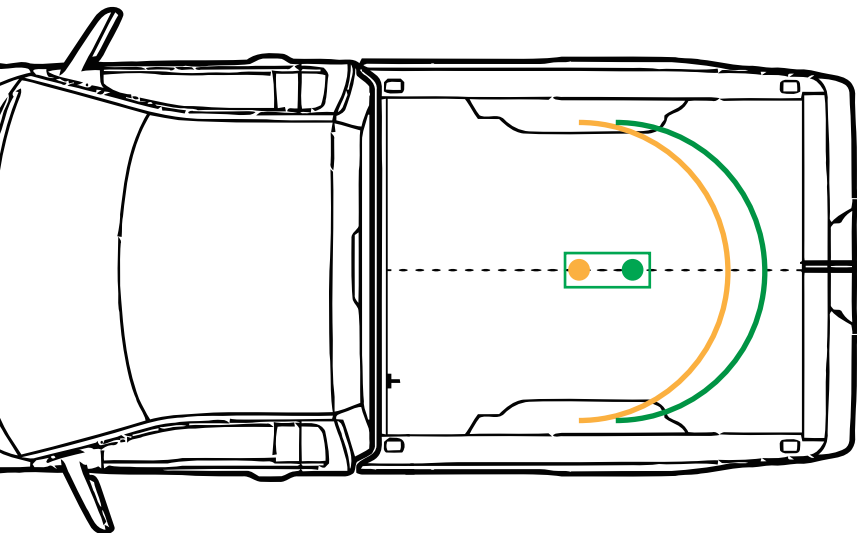


In this example, the straight king pin box (blue) and the extended king pin box (orange) can revolve freely in the 60 inch wide pickup truck bed. If the use of our adapter and an extended king pin box (red) is not high enough to clear the sidewalls of the bed, it is possible for the king pin box to impact the sidewalls of the truck bed.

Keeping Trailer Overhang and Cab apart

OPTIONAL Offset Ball and C5G1216 Straight Adapter

Some Gooseneck hitch manufacturers make an offset Gooseneck ball for their system (not a Convert-A-Ball product). In using the C5G1216 Straight Adapter and an offset gooseneck ball, you accomplish moving the cab of the truck away from the nose of the trailer WITHOUT increasing the length of your king pin box.



Using the previous example, the turning radius of the Extended King Pin Box alone is shown in orange. Using the Offset Gooseneck Ball - pushes the truck and trailer apart, and does NOT increase the turning radius of the King Pin box, shown in green.

OTHER MEASUREMENTS TO BE MINDFUL

You might also want to make sure there is enough clearance between the overhang and the side walls of the truck bed (A). The use of a gooseneck adapter does allow more sway and could impact the top of you bed walls if too close. Also check the clearance between the bumper and the front wall of the fifth wheel trailer (B).

