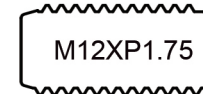
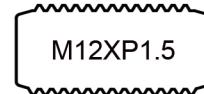
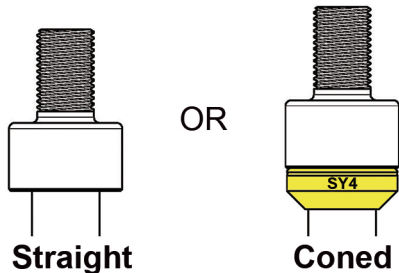


# RapiLock Trailer Axle

## 5-STEP MEASUREMENT GUIDE

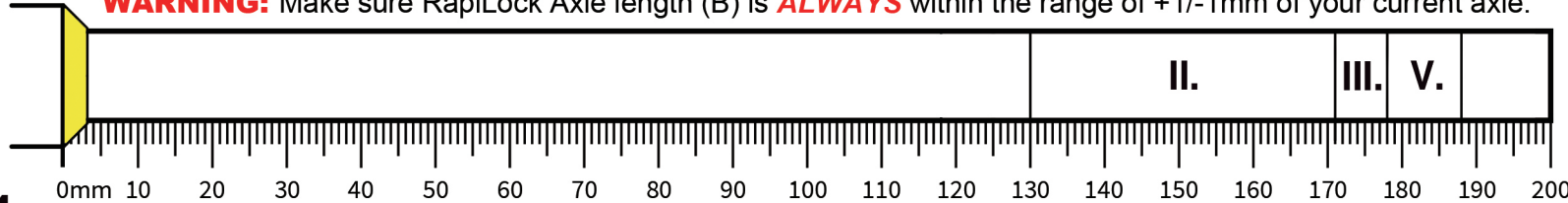
Print this sheet on a standard 29.7cm x 21cm A4 paper and use a ruler to double check 0-200 mm is print to scale.

- Determine the geometry of the axle (G):
- Match your current axle to below illustrations to check the thread pitch, or use RapiLock threads to double check the thread pitch on the bike (TP):  
**WARNING:** Make sure RapiLock Axle thread length (TL) is **ALWAYS** the same or longer than your current axle thread.



- Place your current axle aligning the scale to measure the length of your axle including the thread length (Length B):  
Straight Axle should be measured from 0 mm; Coned Axle Should be measured from 3 mm.

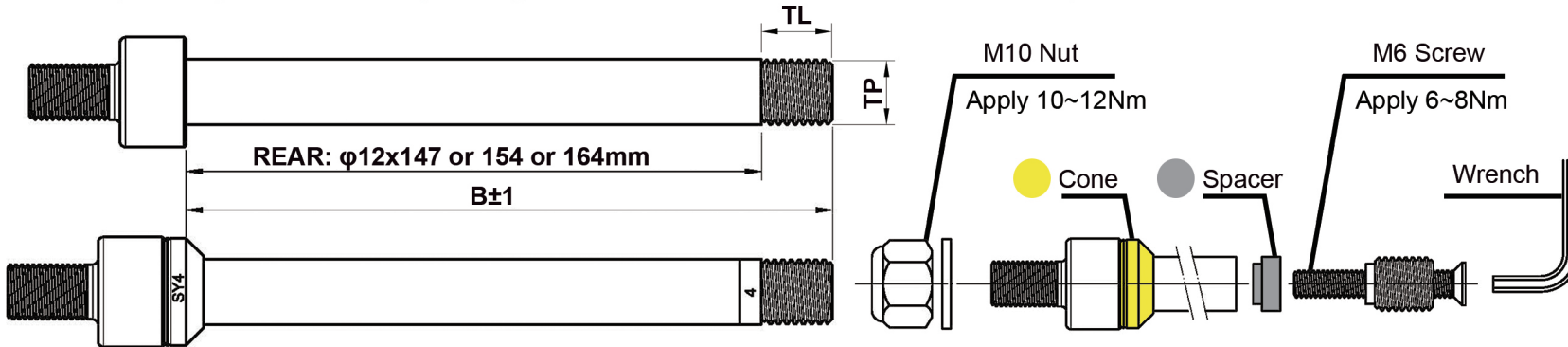
**WARNING:** Make sure RapiLock Axle length (B) is **ALWAYS** within the range of +1/-1mm of your current axle.



- Knowing the axle zone II, III, or V and results of step 1-3 to choose corresponding colors from the Spec Chart on the right.

**WARNING:** You may also need to use a cone or a spacer to complete your RapiLock Axle. Use **ONLY** one cone, one spacer, and one thread at most on one axle. **DO NOT** overlapping cones, spacers or threads to adjust the axle length.

- Apply **6~8Nm** torque to assemble each part together with a M6 screw provided **ONLY**.  
Place two wrenches on both sides of the axle, then twist the M6 screw clockwise when locking the screw.  
Compare RapiLock Axle and your original axle to confirm G, B, TP, and TL to complete the measurement.



### WARNING:

Use different screws other than provided may cause serious failure of the product. If the screw is not properly locked, the axle or the wheel can suddenly and unexpectedly fall off the bicycle, resulting in an accident, personal injury or death.

## Spec Chart

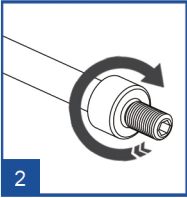
Zone	G	TP	B	TL	
II. 147	Straight	P1.0	160	13	
	Straight	P1.0	164	13	
	Straight	P1.0	167	20	
	Straight	P1.0	171	20	
	Straight	P1.5	160	13	
	Straight	P1.5	162	15	
	Straight	P1.5	164	13	
	Straight	P1.5	165	18	
	Straight	P1.5	166	15	
	Straight	P1.5	169	18	
	Straight	P1.75	167	20	
	Straight	P1.75	171	20	
	Coned	P1.0	156	13	
	Coned	P1.0	160	13	
	Coned	P1.0	163	20	
	Coned	P1.0	167	20	
Zone	G	TP	B	TL	
III. 154	Straight	P1.0	174	20	
	Straight	P1.0	178	20	
	Straight	P1.5	172	18	
	Straight	P1.5	176	18	
	Straight	P1.75	174	20	
	Straight	P1.75	178	20	
	Coned	P1.0	170	20	
	Coned	P1.0	174	20	
Zone	G	TP	B	TL	
V 164	Straight	P1.0	184	20	
	Straight	P1.0	188	20	
	Straight	P1.5	182	18	
	Straight	P1.5	186	18	
	Straight	P1.75	184	20	
	Straight	P1.75	188	20	
	Coned	P1.0	180	20	
	Coned	P1.0	184	20	



## DANGER

Before using the product, please carefully read, understand and follow RapiLock Axle Installation Guide. If you have any doubts during the installation, please ask for advice from a specialized technician.

1. Before bicycle installation, use **RapiLock**<sup>Axle</sup> Measurement Guide on next page to determine the right axle specification for your fork or frame!



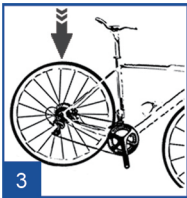
Install the wheel into the frame.

Slide the axle through the hub until it contacts the threads on the other end of the frame.

Use wrench provided to turn the axle clockwise to carefully hand tighten the axle into the frame.

The adequate torque applying to tighten the axle is between 10~12Nm.

Do not apply torque over 12Nm or use any tools to extend the arm when installing RapiLock Axle to the frame.



### QUICK CHECK

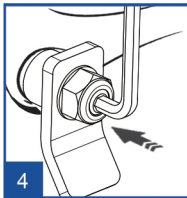
Lift up the bicycle and give the top of the tire sharp downward hit.

Also, shake the wheel to make sure the wheel is absolutely fastened. The wheel should not come off or move.

If uncertain, repeat the installation procedure above. Repeat this check for the front and rear wheel.

Practice the use of product until you obtain steps 1- 4 with ease.

This quick check is no way a guarantee that the axle mechanism is properly adjusted. Please read the installation guide carefully and check with your retailer for assistance or advice. Repeat this check for the front and rear wheel.



Place the hitch to the axle.

Use a 5mm hex wrench to keep the axle stable on the bike, then use a 17mm wrench to tighten the M10 nut against the axle.

The adequate torque applying on the nut is 12Nm. Do not over-tighten the axle or nut.

5. Attach the bike to your trailer following the manufacturer's directions.

### WARNING:

It is important to remember that just a half turn of the screw can make a difference between correct and incorrect tightening force of axle. If the axle is not properly installed, the axle or the wheel can suddenly and unexpectedly fall off the bicycle, resulting in an accident, personal injury or death.