

Read before printing

This guide helps you to identify the compatible Ridea Thru Axle for your bicycle using your original axle. Print this page at "actual size" or "100% scale". After printing, verify that the printout is at 100% scale before measuring your axle. Use a ruler to check the ruler in this page to confirm the scale.

Measuring your axle

1. Measure the thread pitch and the thread diameter of your axle by comparing it with the graphics below. The color code will be useful in the next step. Note: the pitch is the separation between threads in mm.



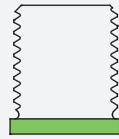
M12 - 1x15



M12 - 1.5x15



M12 - 1.75x20

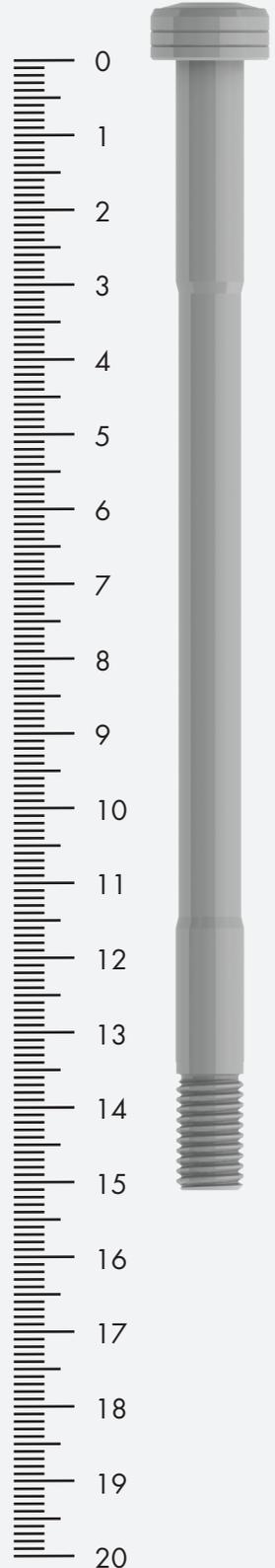


M14 - 1.5x15



M15 - 1.5x15

2. Use the thru axle ruler in the left to measure the length of your axle (including the thread but excluding the head). Include any spacer that you may have been using with your current axle.
3. Using the color code of your thread (first step) and the axle length (second step), find the model number (#BTAxxx) that match your axle specifications. Check the specifications table on the other page to learn more details.



(Unit: cm)

Model	Axle length (mm) ^{1,2,3}	Axle diameter (mm)	Metric screw thread ⁴	Suitable for ⁵
#BTA 111	115-121	12	M12-1 x 15	Front. 12x100
#BTA 112	123-129	12	M12-1 x 15	Front. 12x100
#BTA 116	163-169	12	M12-1 x 15	Rear. 12x142
#BTA 117	171-177	12	M12-1 x 15	Rear. 12x148
#BTA 202	120-126	12	M12-1.5 x 15	Front. 12x100
#BTA 204	146-152	12	M12-1.5 x 15	Rear. 12x135
#BTA 205	154-160	12	M12-1.5 x 15	Rear. 12x135
#BTA 206	162-168	12	M12-1.5 x 15	Rear. 12x142
#BTA 207	172-178	12	M12-1.5 x 15	Rear. 12x148
#BTA 311	119-125	12	M12-1.75x 20	Front. 12x100
#BTA 316	163-169	12	M12-1.75x 20	Rear. 12x142
#BTA 308	174-180	12	M12-1.75x 20	Rear. 12x148
#BTA 309	192-198	12	M12-1.75x 20	Rear. 12x157
#BTA 414	143-147	15	M14-1.5 x 15	Front. Fox 100 mm
#BTA 415	153-157	15	M14-1.5 x 15	Front. Fox 110 mm
#BTA 512	123-127	15	M15-1.5 x 15	Front. 15x100
#BTA 504	146-150	15	M15-1.5 x 15	Front. Rockshox 100 mm
#BTA 505	156-160	15	M15-1.5 x 15	Front. Rockshox 110 mm

- 1: Axle length adjustable, with a spacer, within the given range by 2 mm intervals. See spacers table below.
- 2: Choose the spacer that provides the closest length to the original axle length.
- 3: Compatible with original axles up to 1 mm longer or shorter than the given range. Example #BTA206 (162-168) is compatible with axle lengths from 161 to 169 mm.
- 4: Legend example (M12-1 x 15):
M: Metric thread designation;
12: nominal diameter (mm);
1: pitch (mm); **15**: length (mm).
- 5: Data provided for basic guidance only. Customer is responsible for ensuring hub, frame/fork, and axle compatibility. Please measure your original axle (or check with manufacturer) before choosing your RIDEA thru-axle.

Spacers (purchased separately)			
Model	Quantity (pcs)	Thru-axle compatibility	Available colors
#BTA M2S	4	12 mm axle diameter (all models)	 1 Black 2 Red 3 Gold 4 Silver 5 Ti-Gray TR Tricast Rainbow C3 Carbon 3K
#BTA M5S	3	15 mm axle diameter (all models)	 1 Black 2 Red 3 Gold 4 Silver 5 Ti-Gray TR Tricast Rainbow C3 Carbon 3K

List of tools

- Torque wrench
- 6 mm hex wrench
- Grease

Thru axle installation

1. Choose the Ridea Spacer (sold separately) that provides the closest axle length to the original thru axle for your frame/fork. **DO NOT** use the Ridea Thru Axle without a Ridea Spacer. **DO NOT** use more than one Ridea Spacer with your Ridea Thru Axle. Only use Ridea spacers on your Ridea thru axles.
2. To install the Ridea Spacer, press and slightly rotate the spacer against the O-ring. You should hear a click when the spacer fits correctly. Note: the tapered end of the spacer should face towards the head of the axle.
3. Slightly grease the shaft and threads of the axle before inserting it through the frame/fork and hub.
4. Use a 6 mm hex wrench to tighten the thru axle to 12 N m (10 N m for 1 mm thread pitch models).

Maintenance and care

Check the tightening torques of the thru axles before every ride. Periodically extract the axle for cleaning, inspection and re-greasing. Do not ride your bike and replace your thru axle if you find any damage in the axle.

Warranty

Ridea Group Ltd. warrants this product against defects in materials or workmanship for a period of two (2) years from the original date of purchase. This warranty does not cover damage or failure resulting from misuse, abuse, alteration, neglect, crash or impact, improper installation and maintenance and normal and reasonable wear. If you think you have a warranty claim, please contact the bicycle shop where you bought your product for more details.

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Please consider the environment before printing

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