

TOTsled

dustless router sled system

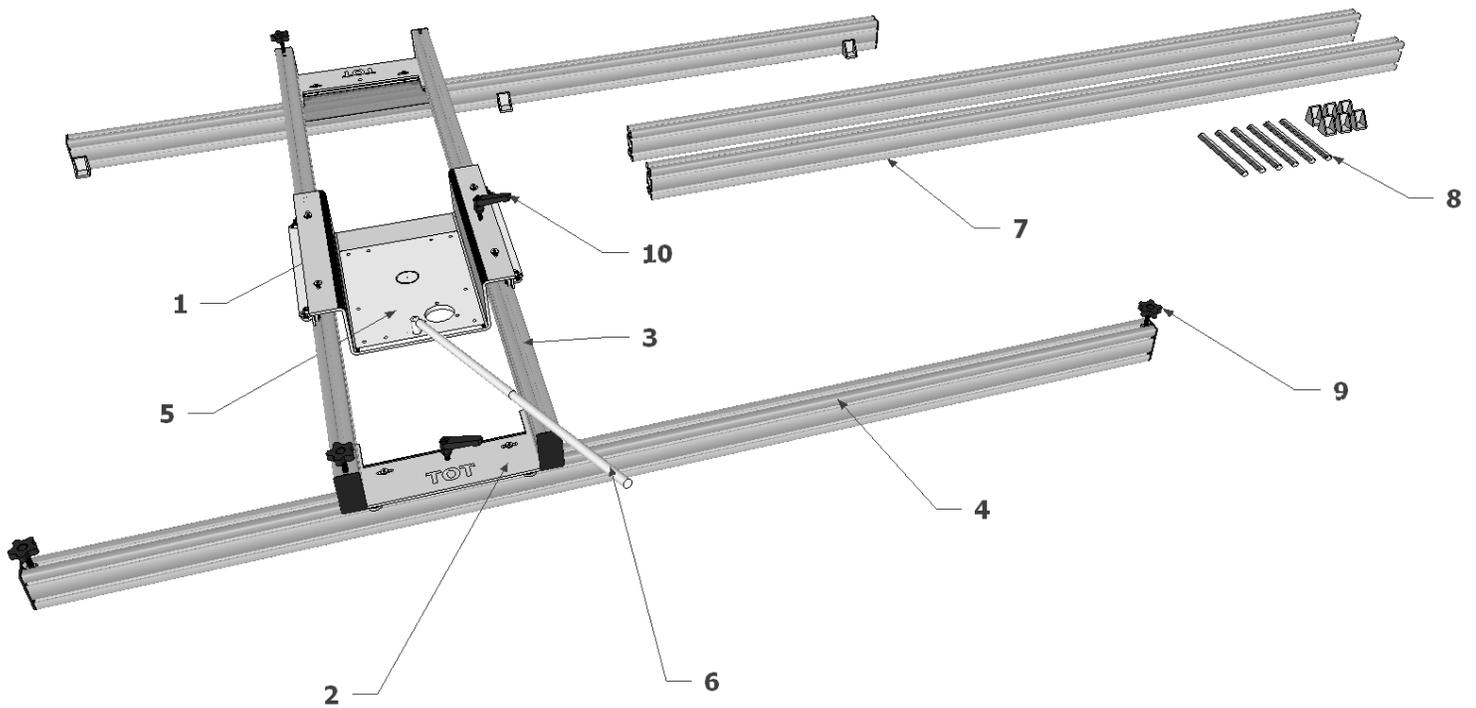


www.totsled.com
totsled@totsled.com

Table of contents

TOTSLED STANDARD & XL	3
PARTS LIST	4
PARTS	4
HARDWARE	4
ROUTER CART	5
CARRIAGE FRAME ASSEMBLY	5
ROUTER CART	6
CROSS RAIL BRACKETS	7
CARRIAGE ASSEMBLY	7
CROSS RAIL BRACKETS	8
CROSS RAILS	9
BASE RAILS	10
EXTENSIONS	11
ROUTER NESTING	12
FLANGE ASSEMBLY	12
ROUTER NESTING	13
MISCELLANEOUS	15
HANDLE	15
BRUSHES	16
SETTING YOUR STOPS	17
LOCKING HANDLE (OPTIONAL)	18
WARRANTY	19

TOTsled Standard & XL



1 – Router cart

2 – Cross rails brackets

3 – Cross rails

4 – Base rails

5 – Plexiglass router base

6 – Handle

7 – Rail extensions*

8 – Rail extension connectors*

9 – Star knob

10 – Locking lever

* part of XL kit or sold separately

Parts list

Parts

Router cart	1
Cross rails bracket	2
Carriage frame	4
Handle (330mm)	2
Handle joint	1
Plexiglass router base	1
Plexiglass wheel guard	2
Stainless steel flange for dust collection	4
Vacuum adaptor 50>40mm	1
Vacuum adaptor 53mm	1
Locking lever	2
Sealing brushes 20mm	1
Sealing brushes 30mm	1
Sealing brushes 40mm	1
Profiles	
Cross rails - 1.5m length	2
Base rails - 2m length	2 (+2)*
End cap	8
Star knob	4
90° brackets (incl. hardware)	6 (+6)*
Linear connector (incl. set screws)	6*

* part of XL kit

Hardware

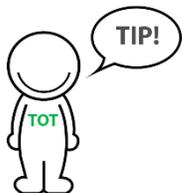
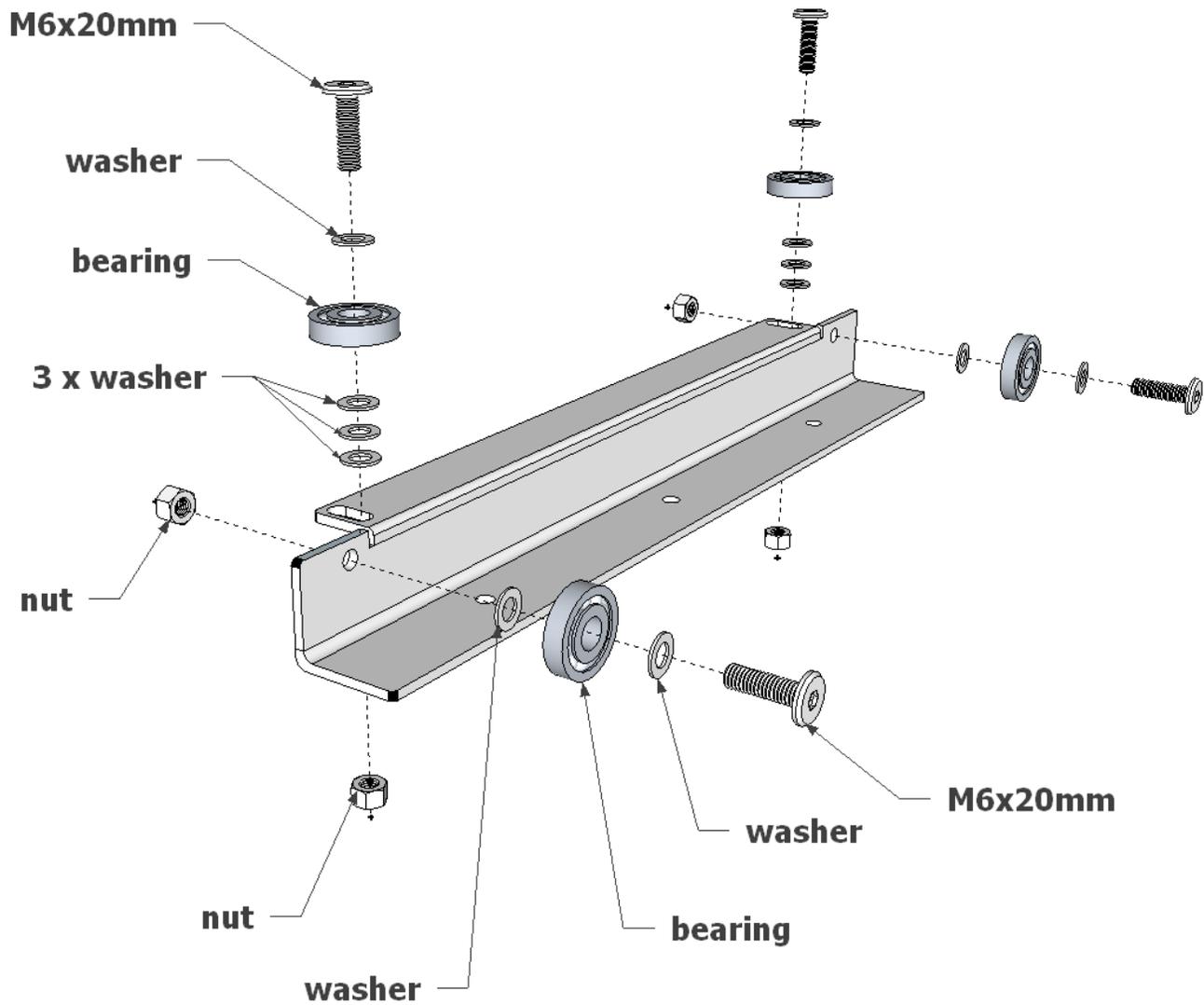
M5	
M5 x 20mm Hex bolt	3
M5 Washer	3
M5 Nyloc nut	3
M6	
M6 x 15mm Hex bolt	12
M6 x 20mm Hex bolt	24
M6 x 60mm Hex bolt	4
M6 Washer	74
M6 Spring washer	13
M6 Nyloc nut	32
M6 T-slot nut	12
M6 Wing nut	9
M8	
M8 x 15mm Hex bolt (centering bolt)	1
M8 T-slot nut	6
Bearings	16
Wrench 10mm	1
Allan key 3mm	1
Allan key 4mm	1

Router Cart

Carriage frame assembly

Items

Carriage frame	2
Bearings	8
M6 x 20mm Hex bolt	8
M6 Washer	24
M6 Nyloc nut	8

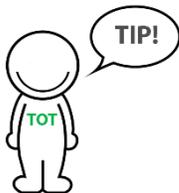
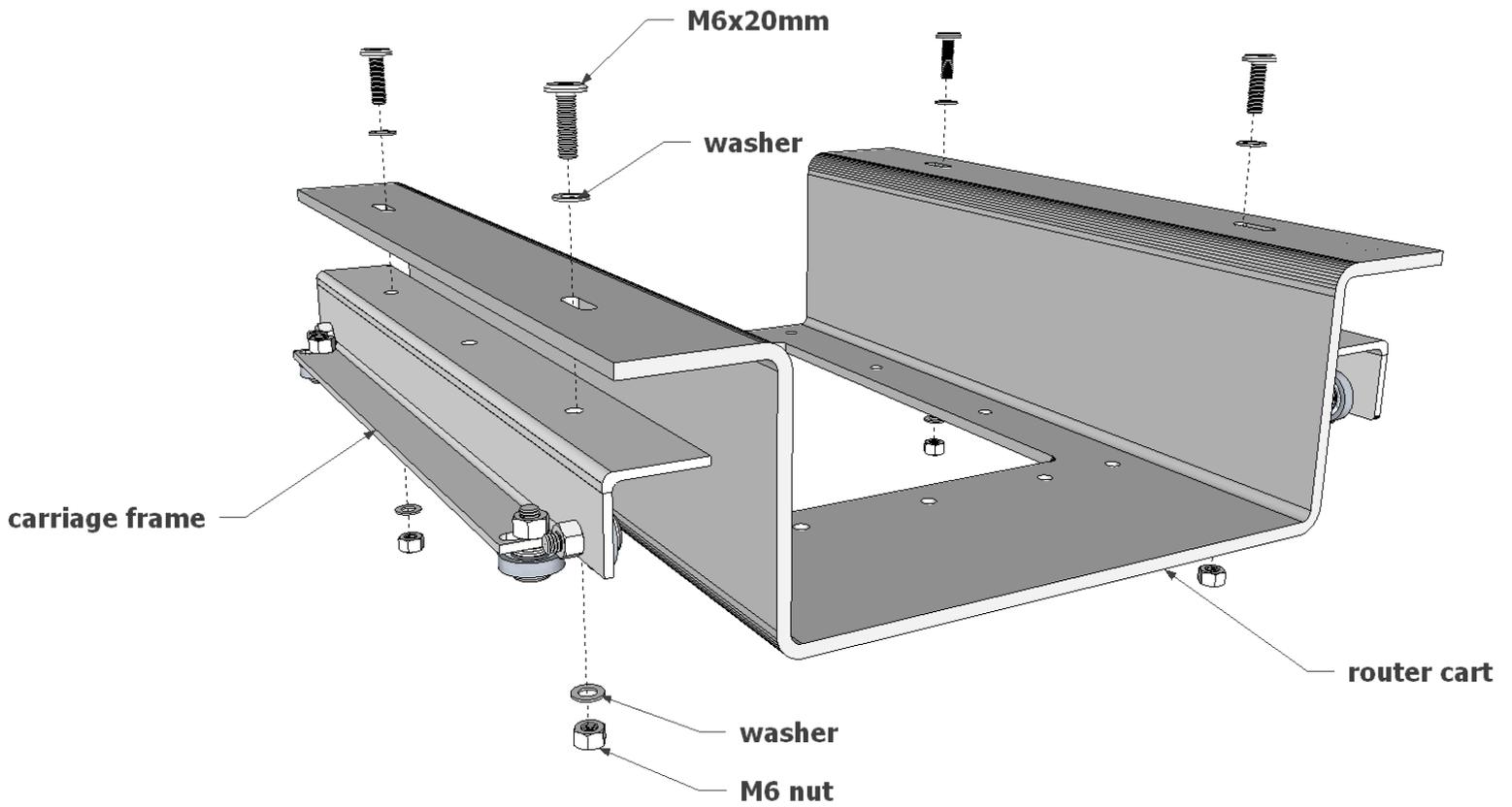


Do not tighten the top wheels, you will need to adjust them later.

Router Cart

Items

Carriage frame assembly	2
M6 x 20mm Hex bolt	4
M6 Washer	8
M6 Nyloc nut	4



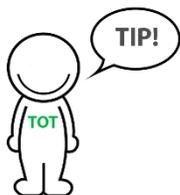
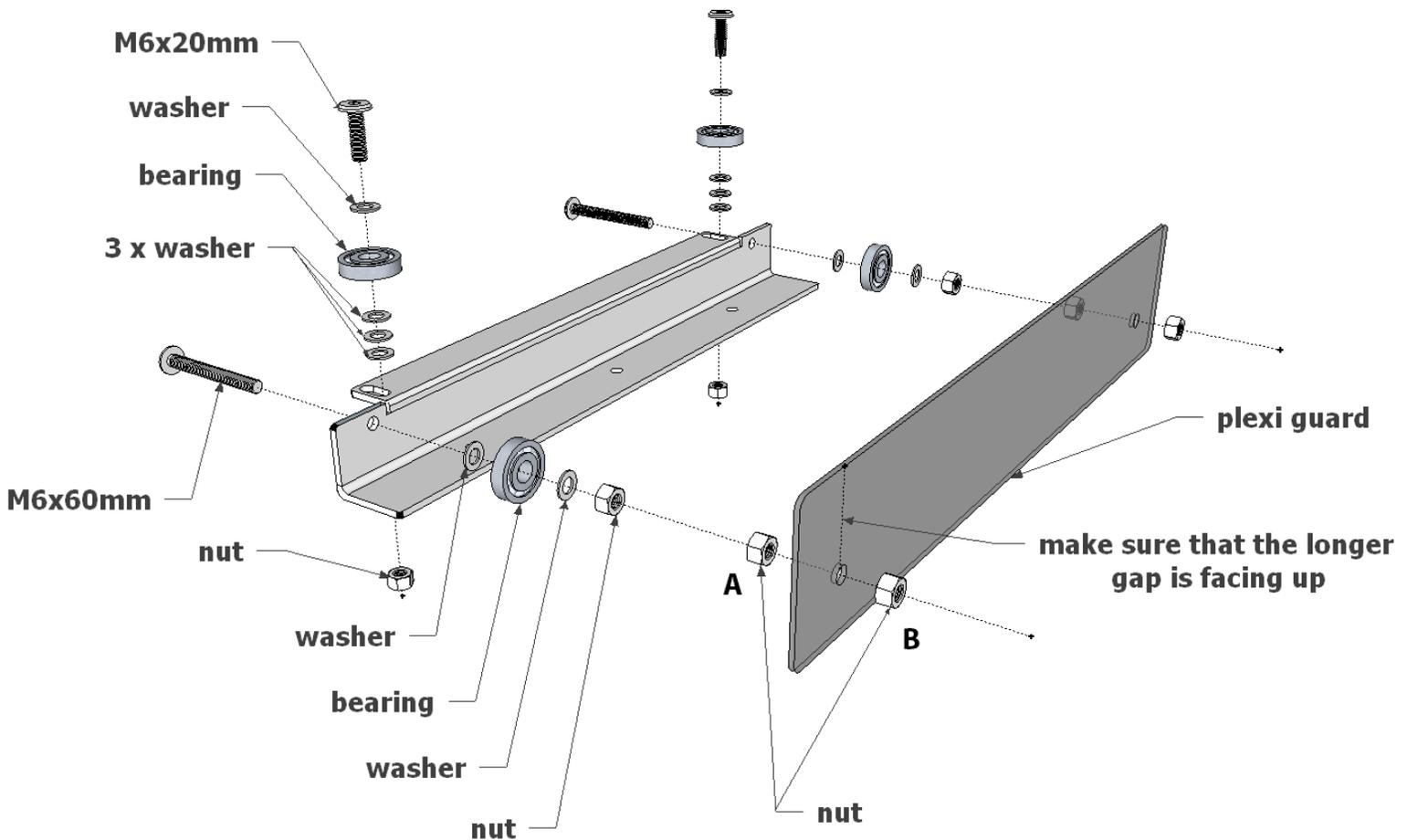
Place the M8 x 15mm centering bolt through the center hole to line up the router cart and carriage frame assembly together.

Cross rail brackets

Carriage assembly

Items

Carriage frame	2
Plexiglass wheel guard	2
Bearing	8
M6 x 20mm Hex bolt	4
M6 x 60mm Hex bolt	4
M6 Washer	24
M6 Nyloc nut	16

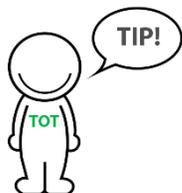
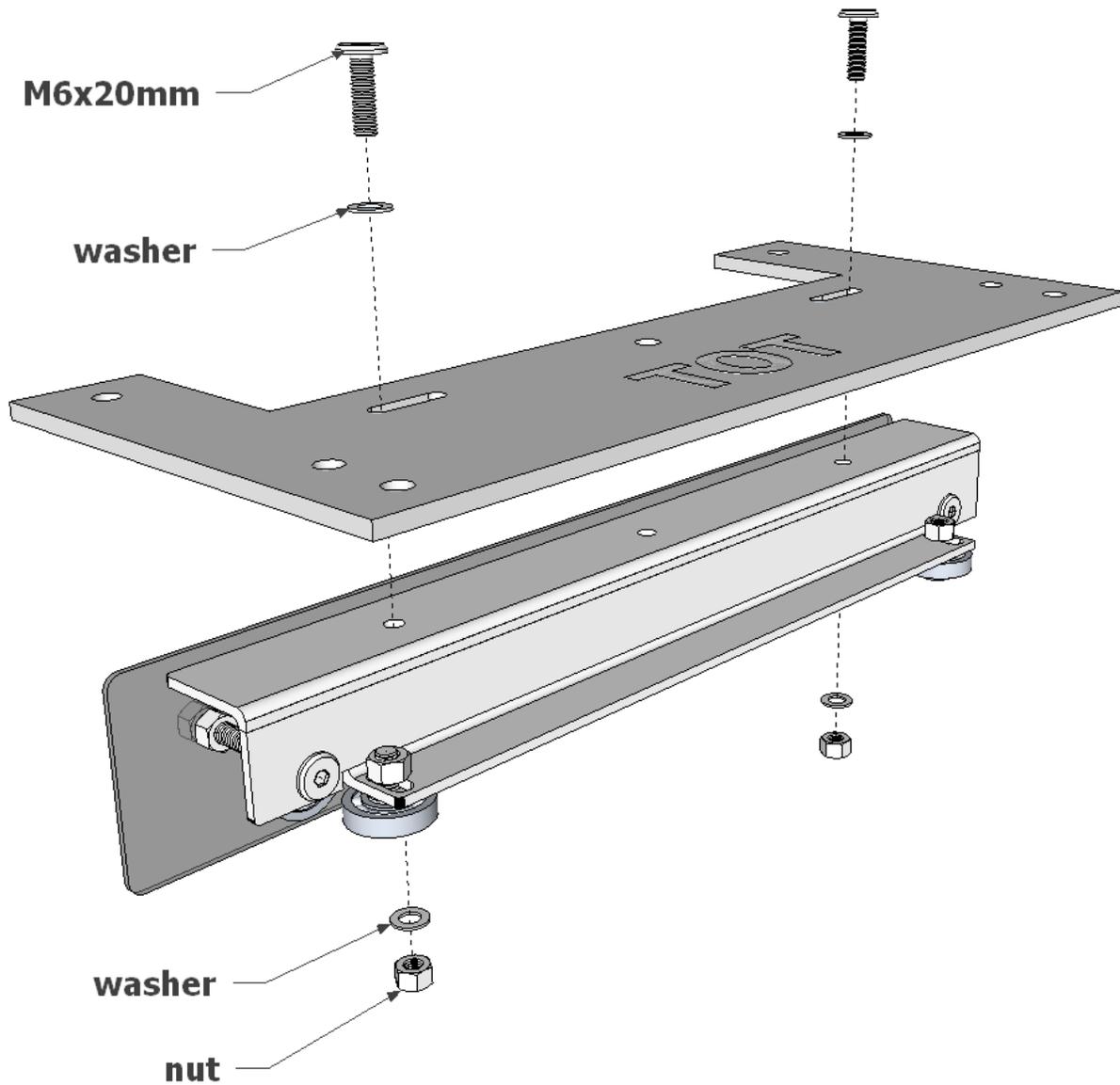


When securing the plexi guard, thread both "A" nuts about $\frac{3}{4}$ " down the bolt. Place the plexi guard on the bolt. Thread the "B" nuts on the bolt until they are flush with the end of the bolt, then tighten "A" nuts to secure the plexi guard. DO NOT OVERTIGHTEN!

Cross rail brackets

Items

Carriage frame assembly	2
M6 x 20mm Hex bolt	4
M6 Washer	8
M6 Nyloc nut	4

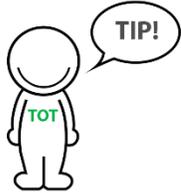


Place the M8 x 15mm centering bolt through the center hole to line up the cross rail bracket and carriage frame assembly together.

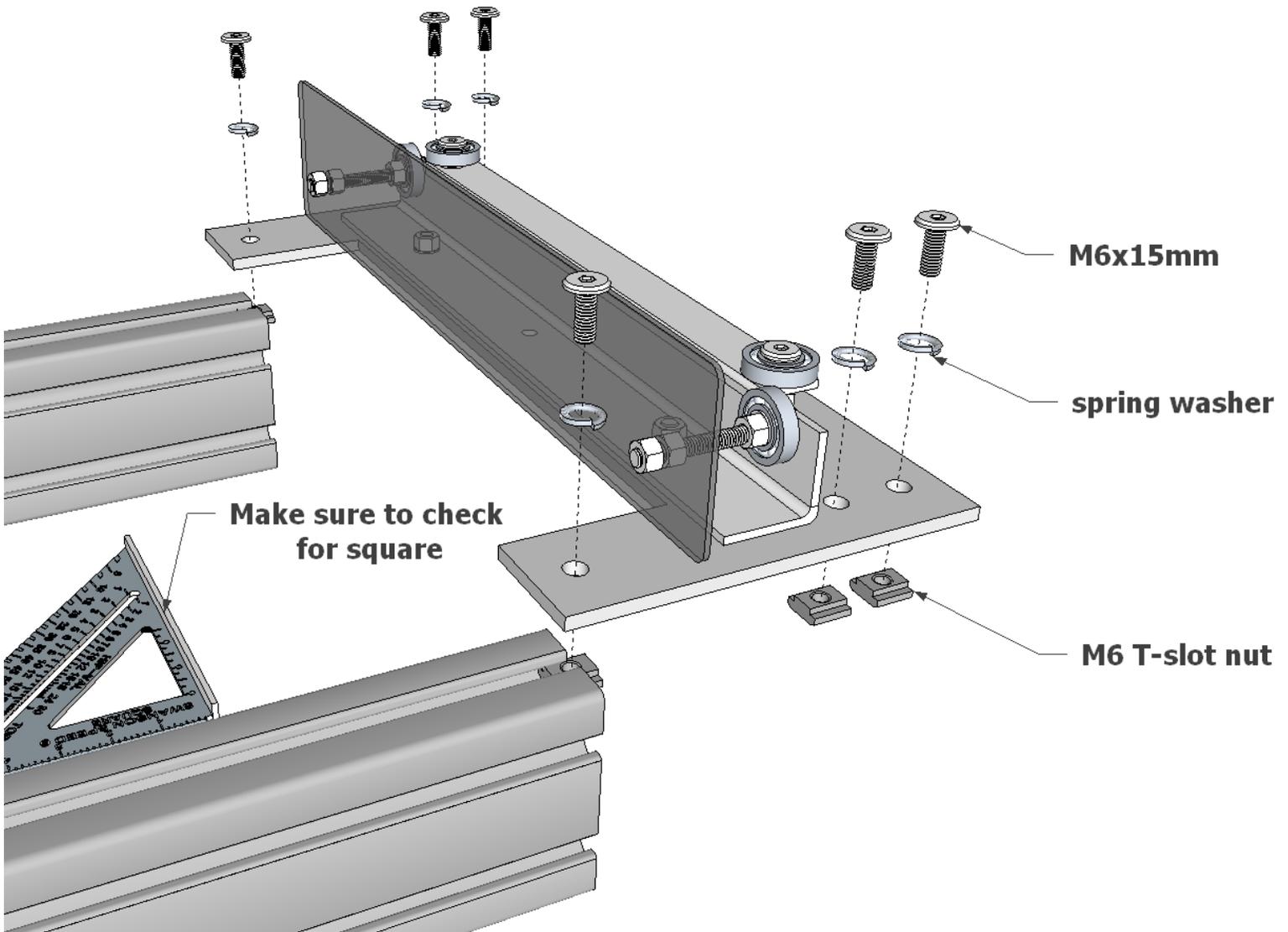
Cross rails

Items

Cross rails bracket assembly	2
Cross rail - 1.5m length *	2
M6 x 15mm Hex bolt	12
M6 Spring Washer	12
M6 T-slot nut	12



* With XL version you can choose between the 1.5m and 2m long rails to adjust the Max width of your system.

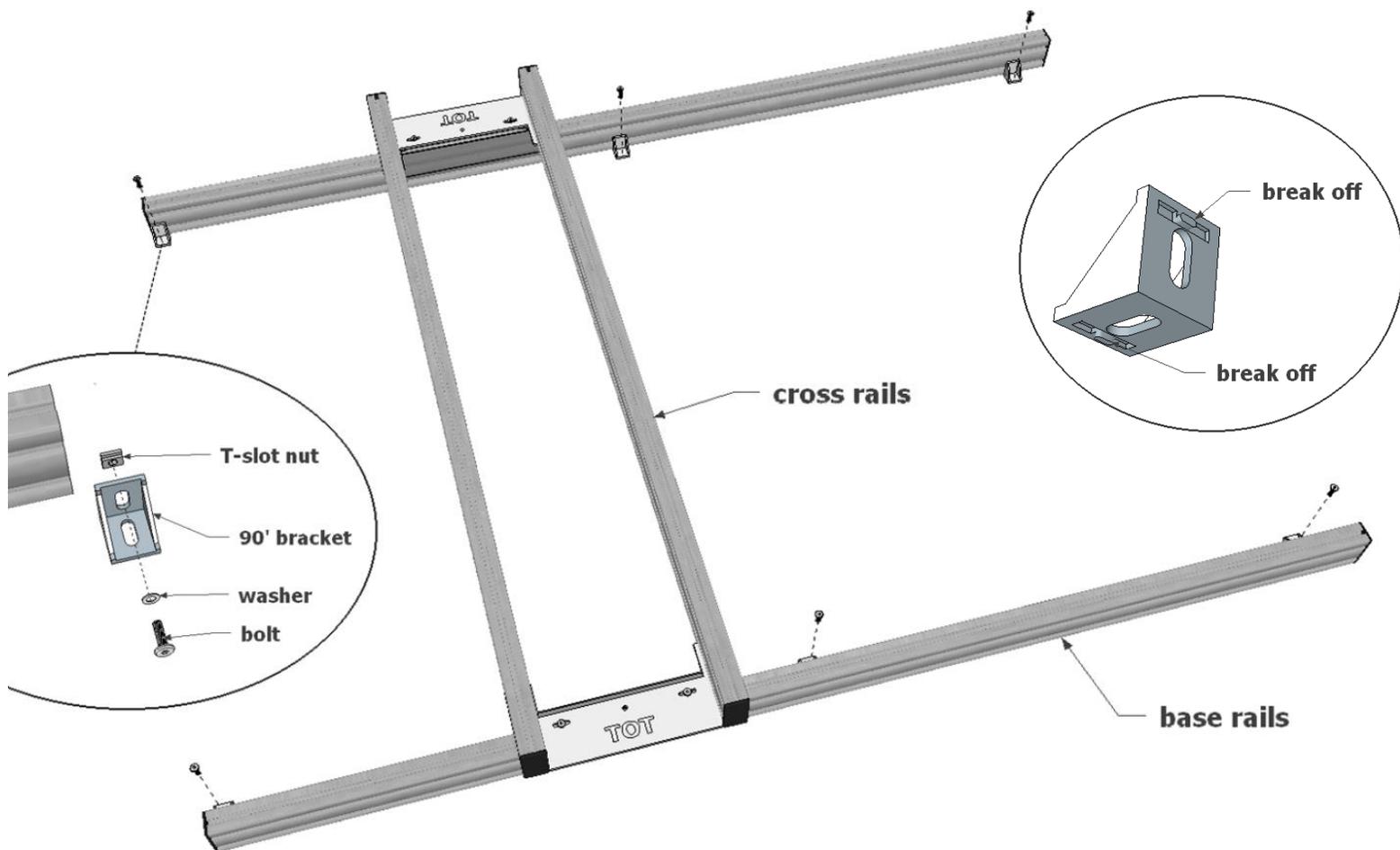


1. For maximum system width line up the outside edge of the cross rail brackets with the end of your rails.
2. Make sure that the bracket assembly and rails are perpendicular to each other before you tighten them.

Base rails

Items

Cross rails assembly	2
Base rail - 2m length	2
90° bracket (incl. hardware)	6

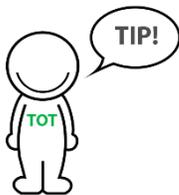
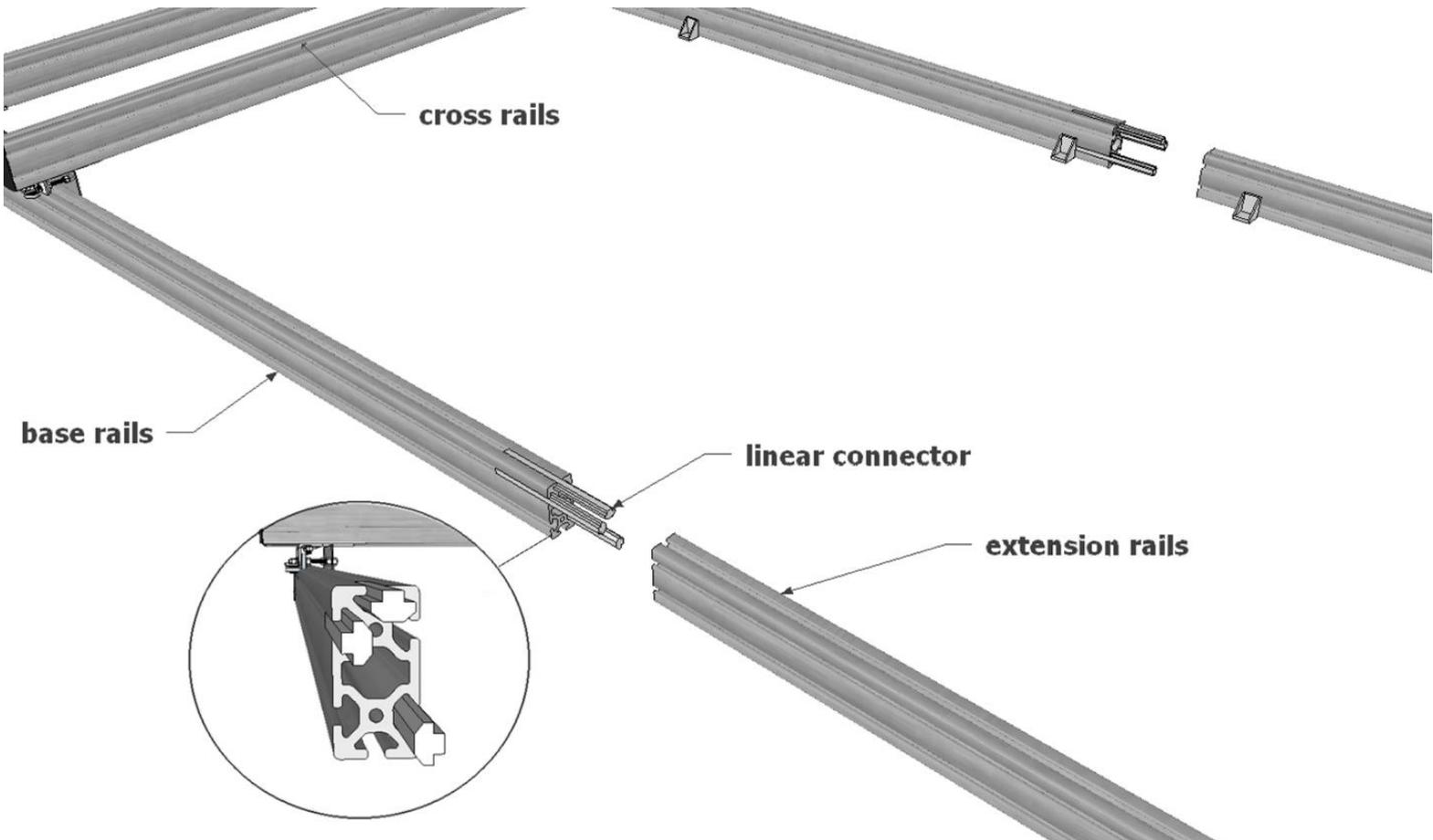


1. To get the most out of your TOTsled system you need to mount it to a sturdy flat surface. A proper size work bench works great.
2. Break off tabs on the back of your 90° brackets.
3. Lay out your base rails to desired width, secure them to your work surface and make sure they are parallel. To secure the bracket to your work surface use wood screws (not incl.) with washers.
4. You can also use your cross rails to set your base rails. Set both of your base rails on your work surface. Secure the first base rail and then mount your cross rails on top. Now adjust the second base rail so the cross rails are set perfectly on the base rails and secure it in position.

Extensions

Items

Base rail - 2m length	2
Linear connector (incl. set screws)	6
90° bracket (incl. hardware)	6



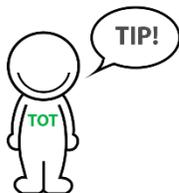
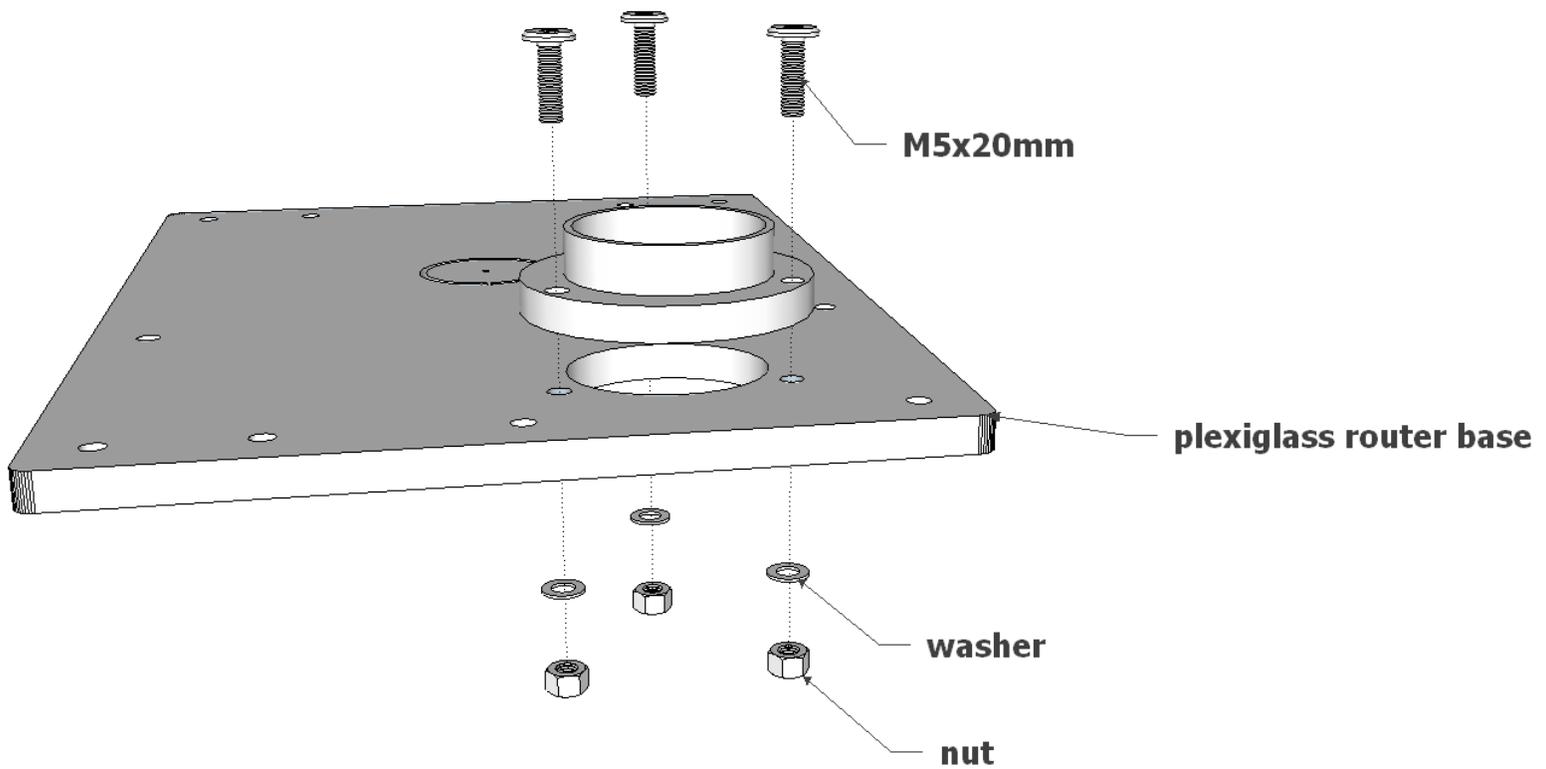
When tightening the linear connectors, start with the one placed in the top slot. This will help to ensure proper alignment of the rails and will result in smoother transition.

Router nesting

Flange assembly

Items

Plexiglass router base	1
Stainless steel flange for dust collection	1
M5 x 20mm Hex bolt	3
M5 Washer	3
M5 Nyloc nut	3

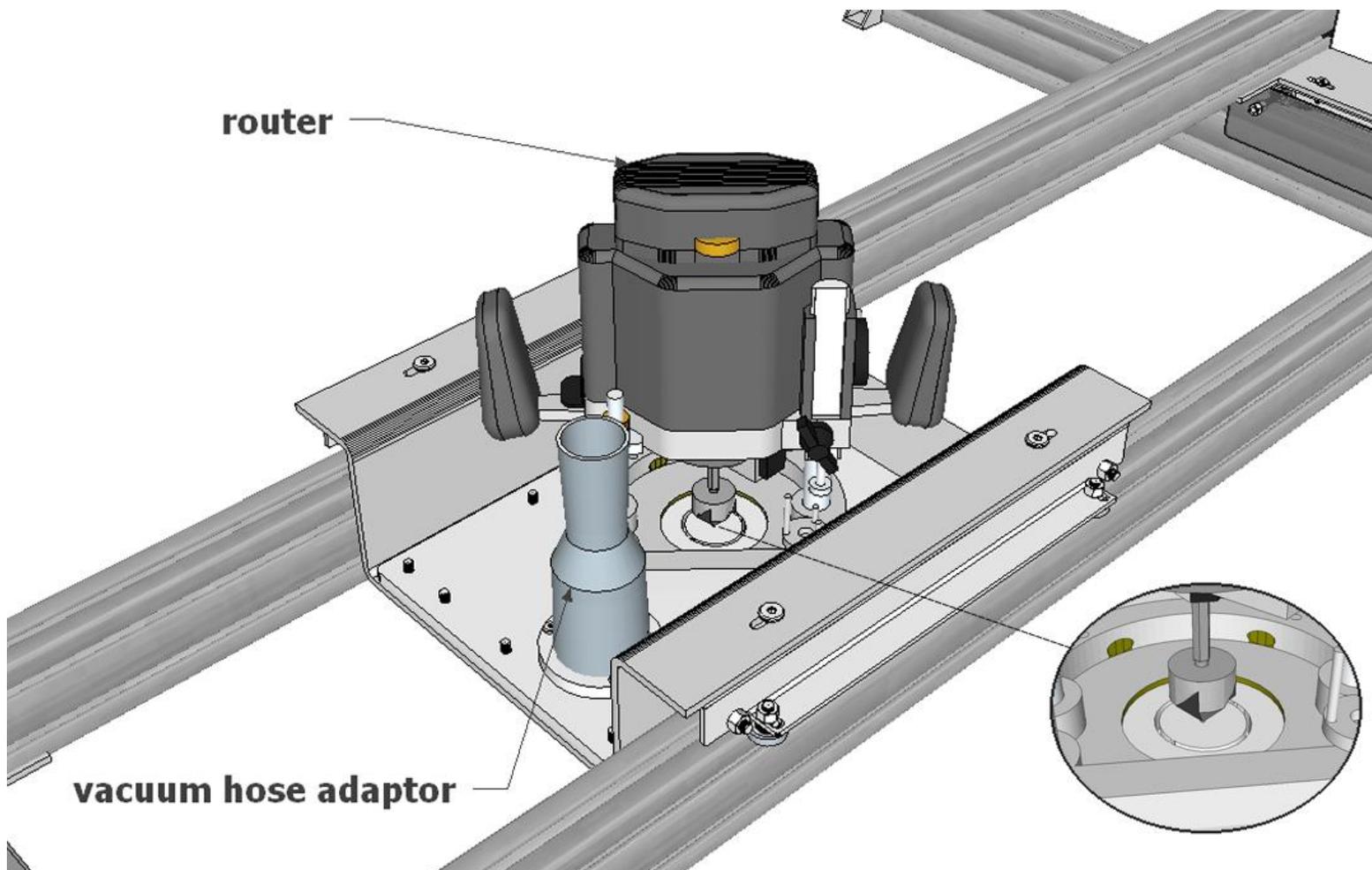


Do not overtighten or you can crack your Plexiglass base!

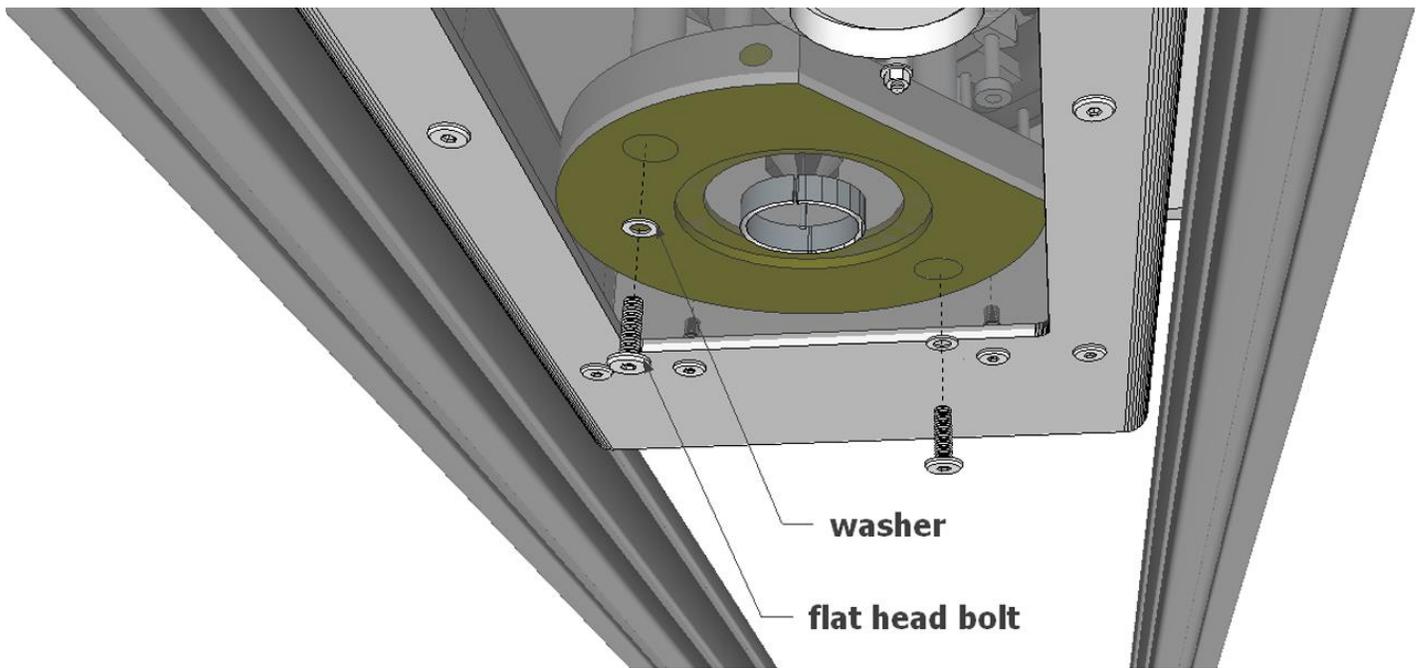
Router nesting

Items

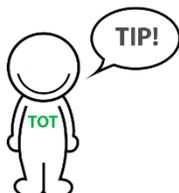
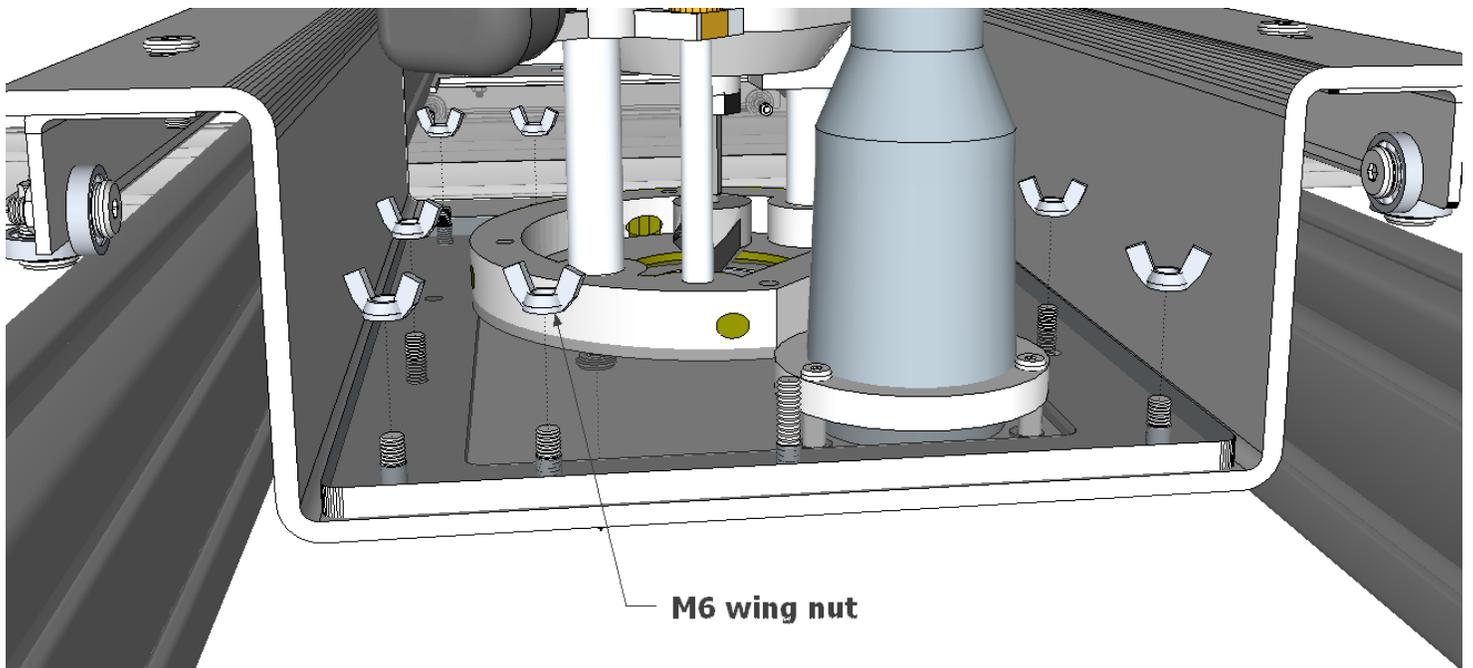
Plexiglass router base		1
M6 Wing nut		9
Screws	To attach your router to Plexiglass base. Size and quantity are router specific.	Not included
Washers		Not included



1. Use any type of router bit with the point end to center your router on the Plexiglass router base.
2. Attach the vacuum adaptor and hose.
3. Position the router in a way that you can operate it without interference.
4. Once you reach the desired position, mark the router base plate location on the Plexiglass router base with marker.
5. Remove the router base plate from your router and use it as template to mark holes on the Plexiglass base in your marked position.
6. Drill holes into the Plexiglass base. Use drill press with required size of bit to fit your base plate screws.



7. Attach your base plate back to your router.
8. Remove the "knockout" on the Plexiglass base and affix your router with flat head bolts and washers.
9. Place the Plexiglass router base back to your router cart and tighten it down using M6 Wing nuts.



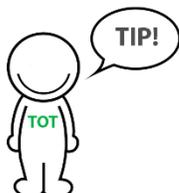
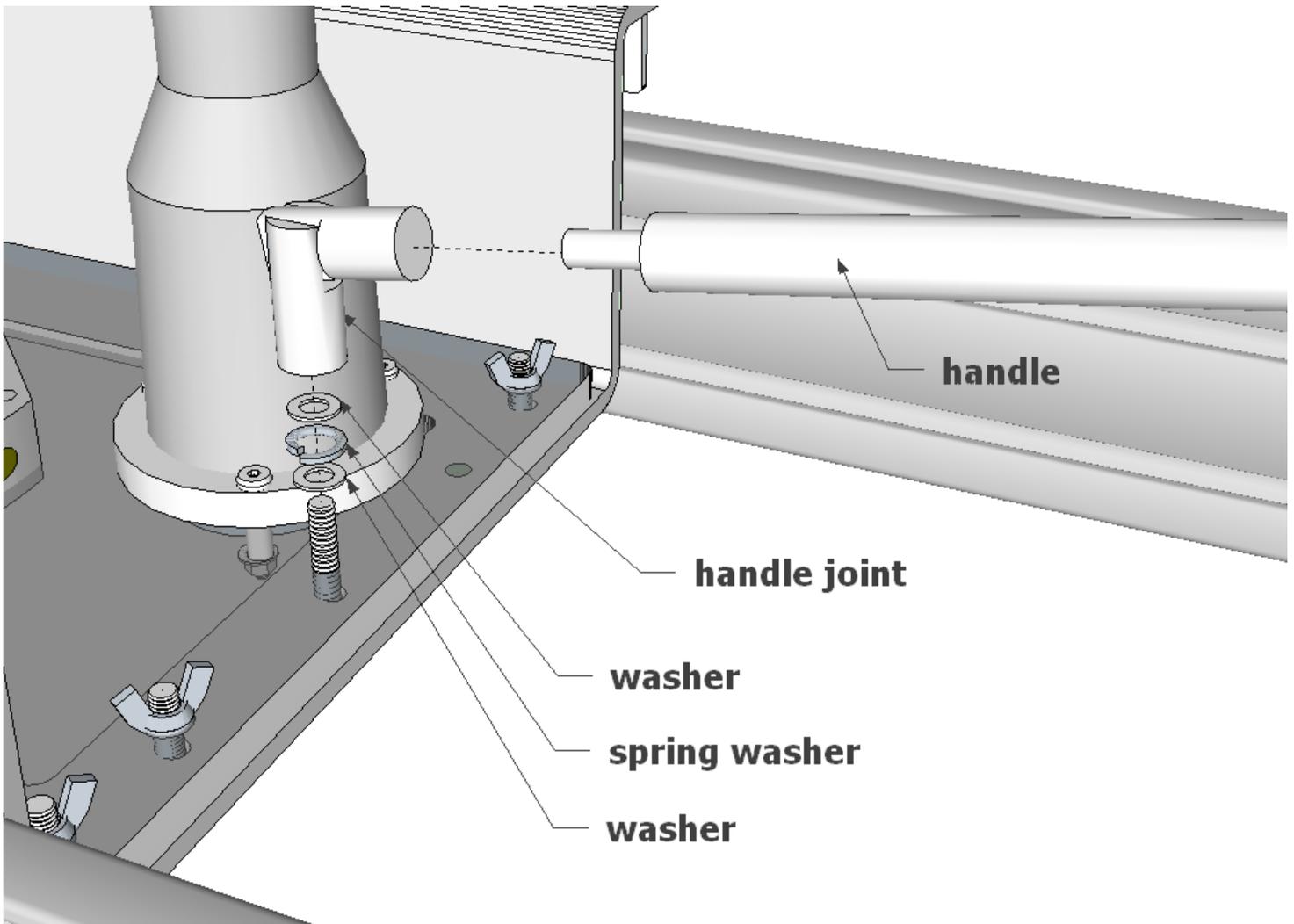
DO NOT USE counter sink head bolts to attach router base plate to Plexiglass router base, you risk cracking the base!

Miscellaneous

Handle

Items

Handle joint	1
Handle	2
M6 Washer	2
M6 Spring washer	1



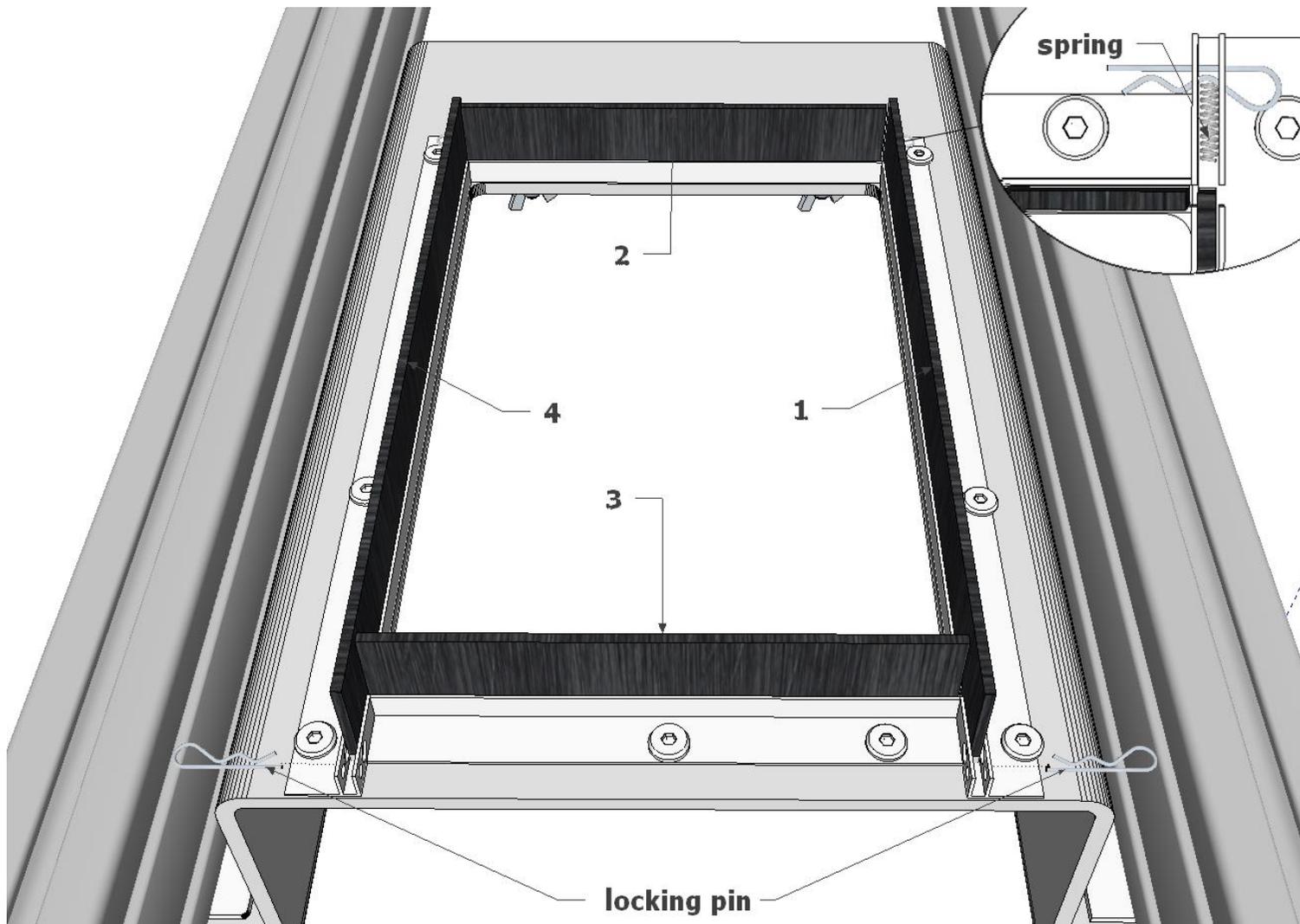
Do not tighten the handle joint all the way. This will ensure the handle rotates.

Brushes

Items

Sealing brushes	1
-----------------	---

Your TOTsled contains 3 sets of sealing brushes to provide proper seal on materials of various thicknesses.

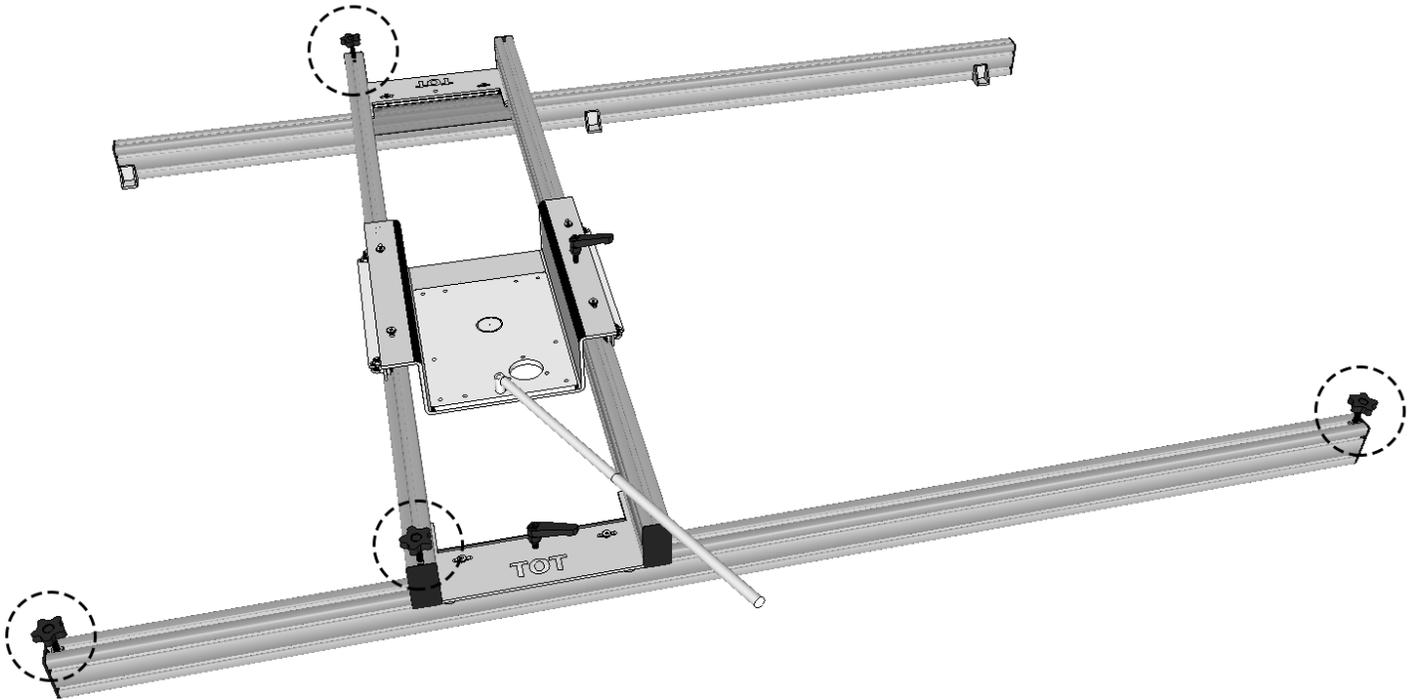


1. Flip the router cart upside down with the dust collection port pointing towards you.
2. Remove both front locking pins. Make sure that the spring is seated against the rear locking pins.
3. Slide the long side brush (1) in place. Push the brush against the spring and put the locking pin back in place.
4. Slide both short brushes (2 & 3) in place.
5. Slide the other long brush (4) in place to lock the short brushes (2 & 3) in place.
6. Push the brush against the spring and put the locking pin back in place.

Setting your stops

Items

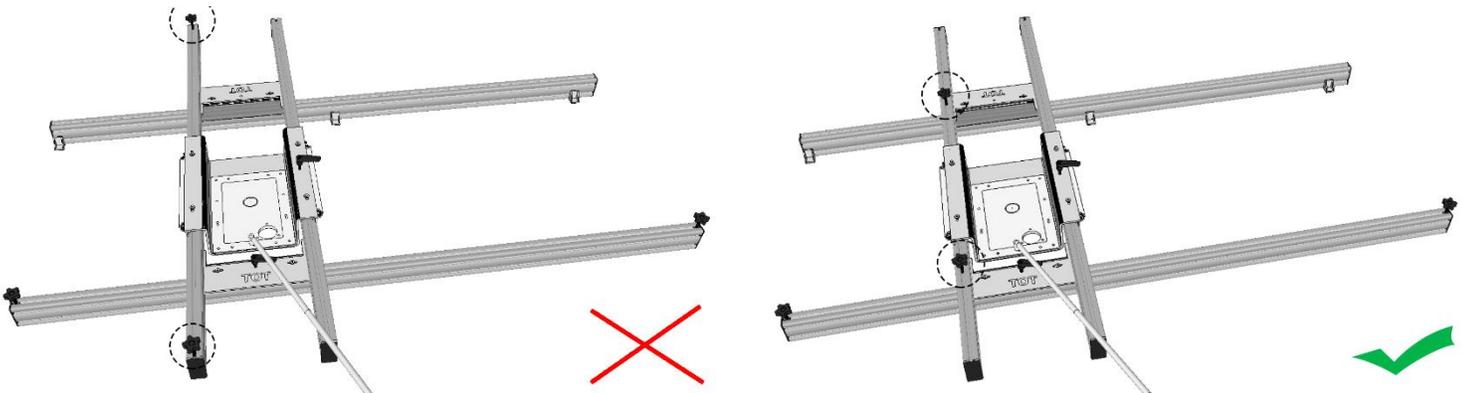
Star knob	4
M8 T-slot nut	4



Secure the star knob with M8 T-slot nut in desired position on top of the profile to function as a travel stop for both router cart and cross rails assembly. Always double check your stops before using your router sled.

IMPORTANT NOTE:

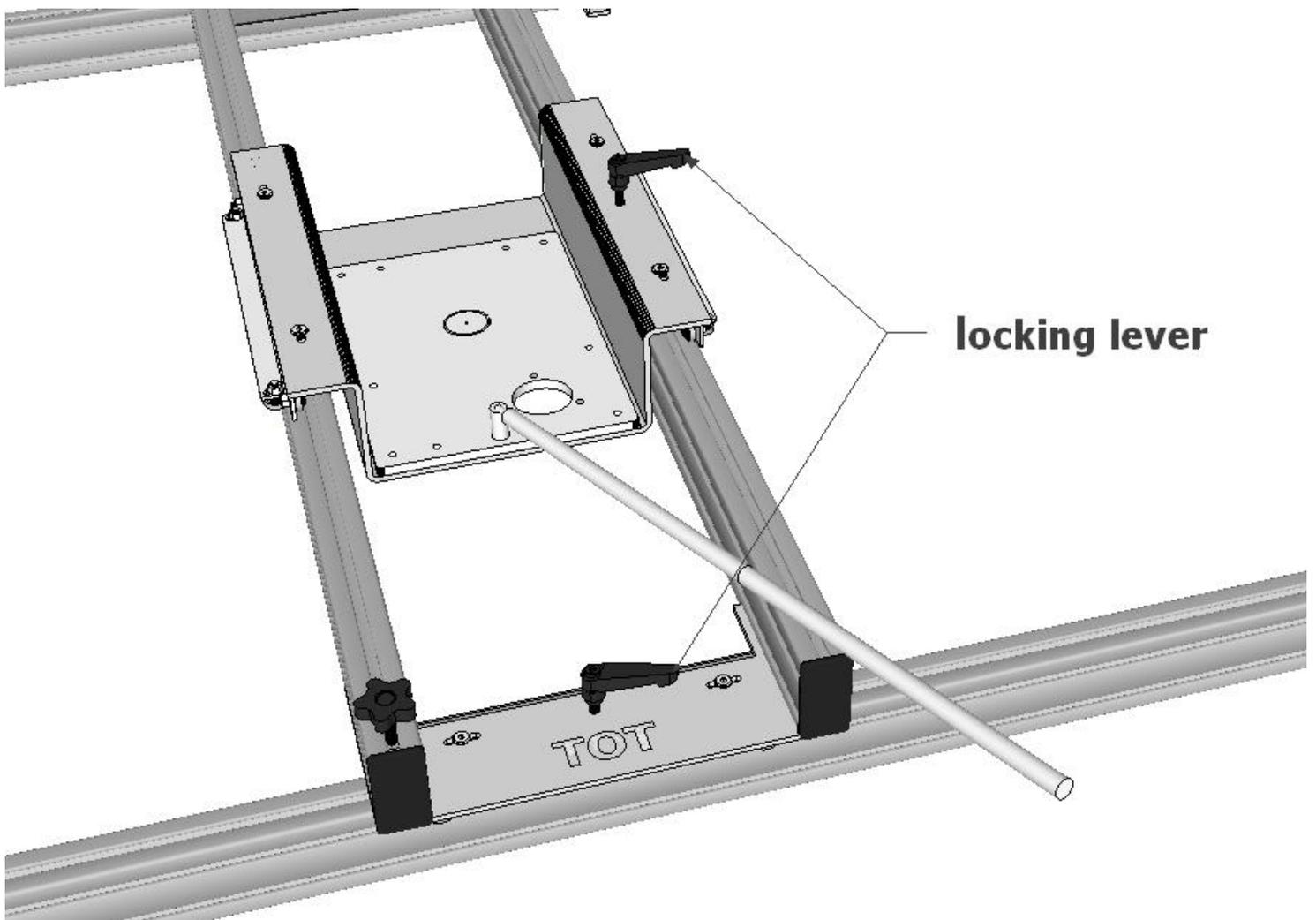
IF YOU HAVE YOUR BASE RAILS SET FOR WIDTH THAT IS SMALLER THAN LENGTH OF YOUR CROSS RAILS ALWAYS MAKE SURE THAT YOUR STOPS ARE SET PROPERLY AND YOUR ROUTER BIT CANNOT HIT THE BASE RAILS.



Locking handle (optional)

Items

Locking lever	2
M8 T-slot nut	2



Insert locking lever through the designated hole and then secure it with the M8 T-slot nut to the rail.

Warranty

 **WARNING:** Always wear appropriate PPE-Personal Protective Equipment (eye, skin and respiratory). Dust may contain hazardous substances that can cause serious injury from repeated exposure. Provide appropriate local exhaust (or dust capture) while using this product. Minimize dust exposure to bystanders. While using a power tool, follow the manufacturer's safety instructions.

Warranty and Limitation of Liability: TOTsled warrants that each TOTsled part meets the applicable product specification at the time we ship the product. TOTsled makes no other express or implied warranties or conditions, including any implied warranty or condition of merchantability or fitness for a particular purpose. If the TOTsled product does not conform to this warranty, the sole and exclusive remedy is, at TOTsled option, replacement of the TOTsled product or refund of the purchase price. TOTsled will not be liable for any loss or damage arising from the TOTsled product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.