



# MACRON DYNAMICS, INC.

PRODUCT  
Datasheet

## SPECIFICATIONS

Load Rating	0-437bs
Ultimate Tensile Strength	1750lbs
Temperature Range	-20 C to +70 C (-4 F to +158 F)
Shipping Weight	0.75 lbs + 0.08lb/ft of belt
Belt Pitch	10mm

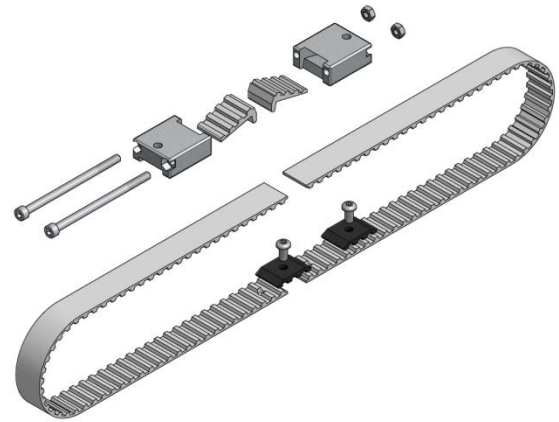
## Drive Belt Kit

**DBK-CE-\_\_**

Insert length per meter.  
Ex. 5 meters = DBK-CE-05

## MATERIALS

Belt	Steel Reinforced Polyurethane
Belt Wedge and Tension Block	Zinc Aluminum Alloy
Screws	Steel
Lock Nut	Steel
Clevis Clamp	Extruded Aluminum

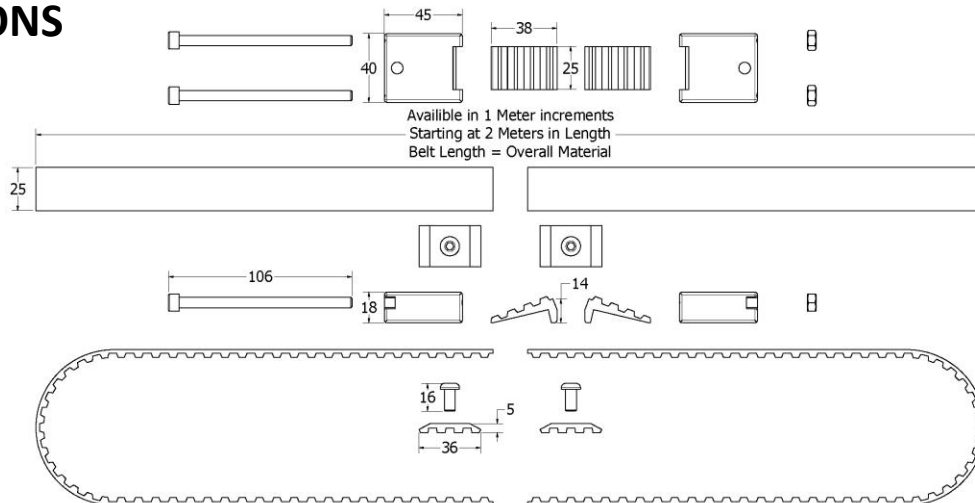


## PARTS BREAKDOWN

Description	Qty/Kit
Drive Belt	2
Tension Block	2
Belt Wedge	2
M6 Socket Head Cap Screw	2
Clevis Clamp	2
M6 Button Head Cap Screw	2

COMBINED BELT LENGTH = (BEAM LENGTH .02m) X 2

## DIMENSIONS



MACRON DYNAMICS, INC.  
100 Phyllis Drive  
Croydon, PA 19021

P: 215-443-8888  
F: 215-443-0981  
macron@macrondynamics.com

[www.macrondynamics.com](http://www.macrondynamics.com)

Rev 01



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## Belt Installation Instructions



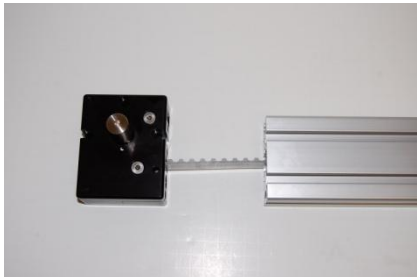
The tools you will need include a torque wrench (lb. in.), tensioning tool, tin snips, M5 and 5/32 allen wrench, and a flathead screwdriver.



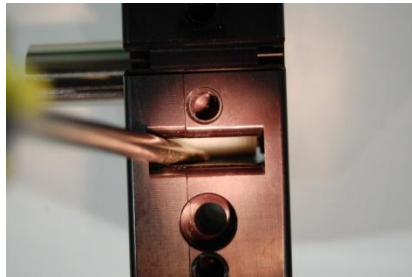
Place the end of the belt with the hole on it over the clamp so that the grooves line up.



Bolt down the belt and clamp to the clevis. Repeat for other side of cart.



Insert the belt into the slot closest to the bottom.



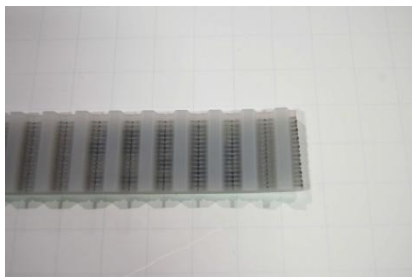
Using the screwdriver coax the belt upwards. Then push the belt till it stops at the top.



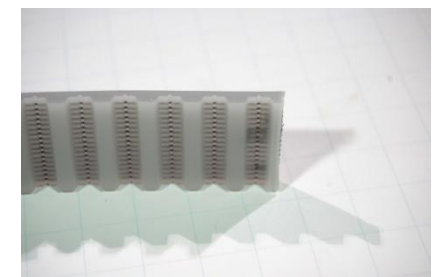
When the belt stops at the top, use the same method again with the screwdriver.



Once the belt becomes exposed, pull it till the slack in the belt comes tight. Repeat for other pulley.



Using a *sharp* pair of tin snips, cut belt to length. Last tooth needs to be cut in half.



The two ends remaining need to be cut down the middle so that it has enough to catch the wedge.

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Insert nut in end of block. This may require use of a hammer.



Gently strike corner of block with hammer to lock the nut into the pocket.



Slide the belt through both of the tension blocks so that the bigger holes of the blocks are on the outside, and the taps are both on top.



Place both wedges at the end of the belt so that the half-tooth is flush with the end of the wedge.



Pull the belt to tighten the wedge and the belt within the tension block.



Place the bolts through the holes at the end of the tension block and into the other block. Be sure to put the heads of the bolts facing the drive side.



Screw the bolts in enough so that the bolts come out just a few threads past the nut.



Move the cart to the end of the actuator. Then place the tensioning tool at the middle of the belt.



Set the wrench to the correct torque setting, adjust belt to achieve level position at the recommended torque.

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