

ES
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WEBSTER
INDUSTRIES



ASSEMBLY GUIDE

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INTRODUCTION



Thank you for choosing Webster.

This guide offers instructions on the proper use of Webster's newly-designed threaded connecting pin for Engineered Class Chain. This innovative pin is engineered to securely connect Webster's Engineered Class Chains, delivering enhanced strength, reliability, faster installation, and improved safety across a range of industrial applications.



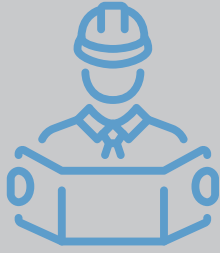
PARTS AND TOOLS LIST



CUSTOMER SUPPLIED



*WE SUGGEST A 3/4" IMPACT WITH A TORQUE RATING OF 1,500 FOOT POUNDS.



ASSEMBLY

1 PREPARATION

- Ensure the area where the chain will be assembled is clean from debris or obstructions and make sure all equipment is locked out, following your company's specific safety guidelines.
- Put on heat-resistant safety gloves to protect yourself during the assembly process

2 INSPECTION

- Before assembly, carefully inspect both ends of the engineered class chain to ensure they are clean, undamaged and properly aligned
- Examine the threaded connecting pin for any defects, such as bent or deformed threads. Do not use a damaged pin

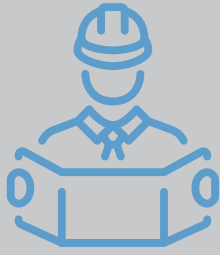
3 ALIGNMENT

- Place the ends of the chain to be connected in close proximity to each other, ensuring they are properly aligned for assembly. **NOTE:** This step is crucial for the smooth connection of the chain.

4 INSERT PIN

- Take the threaded connecting pin and insert it through the aligned chain ends from one side to the other. Ensure the pin passes through each link of the chain accurately and fully **until bottoming out on the swell neck edge.** (See Figure A)





ASSEMBLY

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INSTALL SPACER, WASHER AND NUT

- Install spacer, thrust washer and then the flange nut onto the pin (See Figure A). Begin threading the flange nut onto the pin by hand until snug. **NOTE:** May need to secure pin head end from spinning until swell neck is engaged into sidebar hole. Use an impact driver and an impact-rated deep well socket to begin pulling the ES Connect pin into the sidebars. Monitor the head side of the pin and stop when there is roughly 1/32" of space remaining between the sidebar and underside of pin head. (See Figure B)
- ****DO NOT OVERTIGHTEN FLANGE NUT**** - This will deform the pin threads and make the removal of the flange nut extremely difficult.

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LOOSEN CONNECTION

- Once the pin is fully installed into the chain links the sidebars could be compressed not allowing link to articulate. If the link does not articulate, back the flange nut off until it is flush with threaded pin end. Strike the threaded pin end and flange nut with a hammer until links are loosened to articulate properly.
- ****CAUTION: FLANGE NUT COULD BE EXTREMELY HOT****

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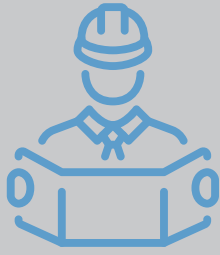
REMOVE HARDWARE/INSTALL COTTER PIN

- After the links are loosened remove the flange nut, washer, and spacer.
- Install supplied cotter pin as shown in Figure C.
- The thread on the connecting pin can be cut off if needed. See Figure C.
- ****CAUTION: FLANGE NUT COULD BE EXTREMELY HOT****

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FINAL

- Inspect the field connection to ensure there are no gaps or misalignments. Verify that the pin is securely in place and that there are no signs of damage to the chain links.



ASSEMBLY

Swell Neck Edge
(IMPORTANT: See Step 4)

Typical
Connecting Link

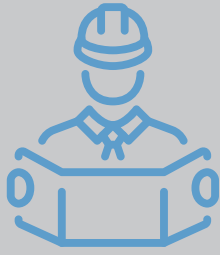
Threaded
Connecting Pin

Spacer
Washer

Thrust
Washer

Flange Nut

FIGURE A



ASSEMBLY

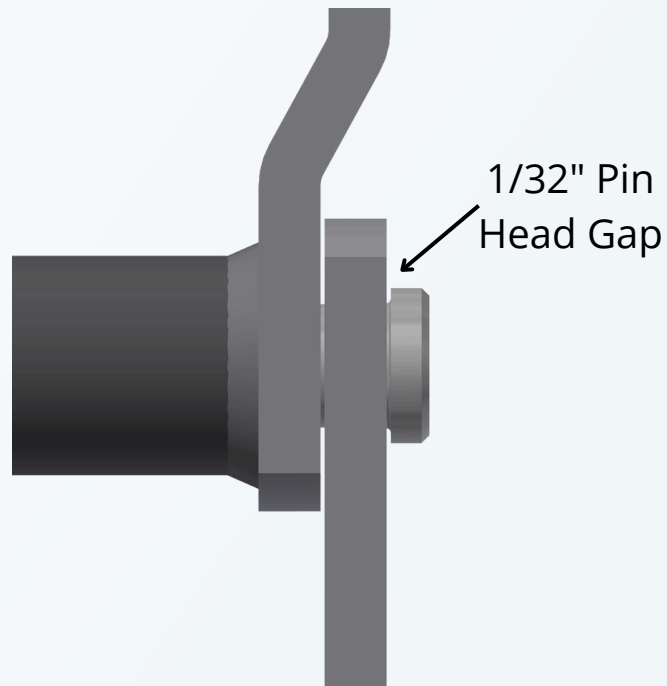


FIGURE B

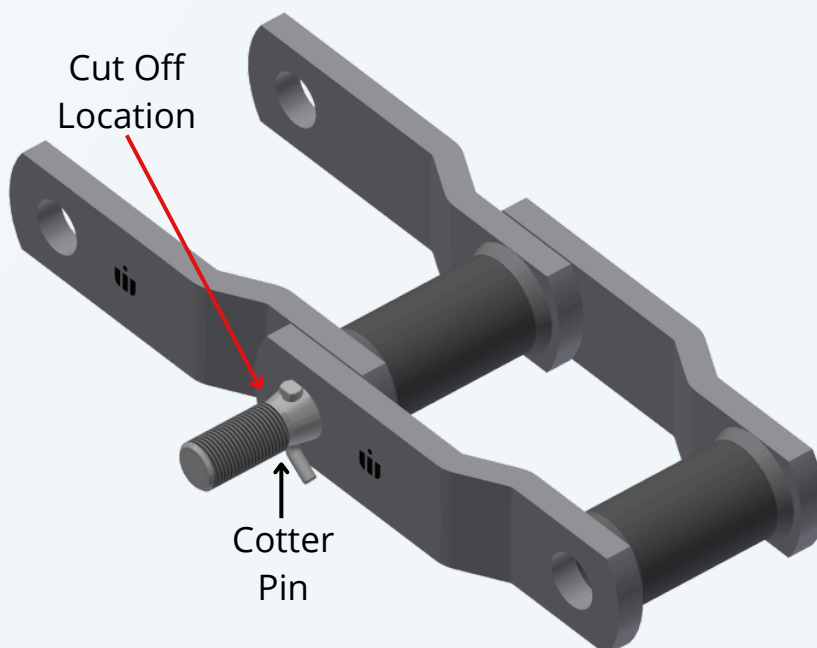


FIGURE C



MAINTENANCE

Periodically inspect the threaded connecting pin and the chain assembly for signs of wear, corrosion, or other damage. Replace any worn or damaged components promptly to maintain optimal performance and safety.

CONCLUSION

By following these instructions, you can effectively use the threaded connecting pin to assemble Webster's engineered class chains, ensuring a strong, reliable and safe connection for your industrial applications.

Always prioritize safety and quality assurance throughout the assembly process.





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CLICK HERE TO
VIEW THE
INSTALLATION
VIDEO



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