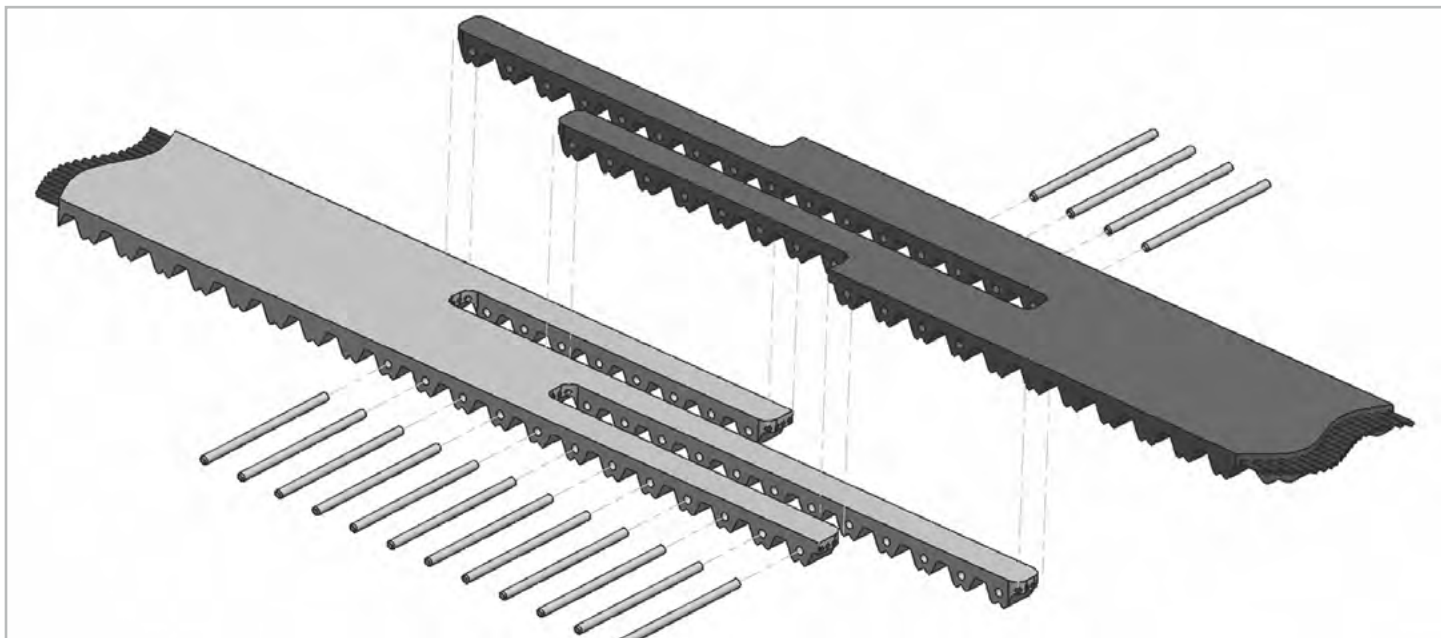


PPJ PRODUCT GUIDE

A Guide to Progressive Pin Joint (PPJ) System



Megadyne's Progressive Pin Joint (PPJ) system provides a simple, quick solution for installation and belt replacement of select Megalineer belt pitches and widths.

But what exactly does “progressive” mean? Put simply, it refers to the boring process which uses proprietary automated equipment to ensure accurate, secure pin placement. This process allows for a range of unique benefits, including precise positional pin boring which prevents drift from top to bottom across the offered belt widths.

Progressive pin boring allows for straight, round, precise holes, resulting in well-seated, secure pins.

When and How to Use PPJ

There are many applications well-suited to the use of PPJ. In particular, progressive pin joints are recommended for use on multiple parallel belts in which the conveyed load is spread evenly across all belts.

However, when using PPJ, users should consider a reduced load capacity compared to that of standard joined belts. The progressive pin joint system can be added to Megadyne's Megalinear belts with standard steel cord as well as alternative cords such as high-flex (HF) and stainless steel (SS) models.

The system is most commonly used in multiple-strand parallel-path conveying systems in which the process of replacing belts in the center of the conveyor can lead to long periods of downtime.

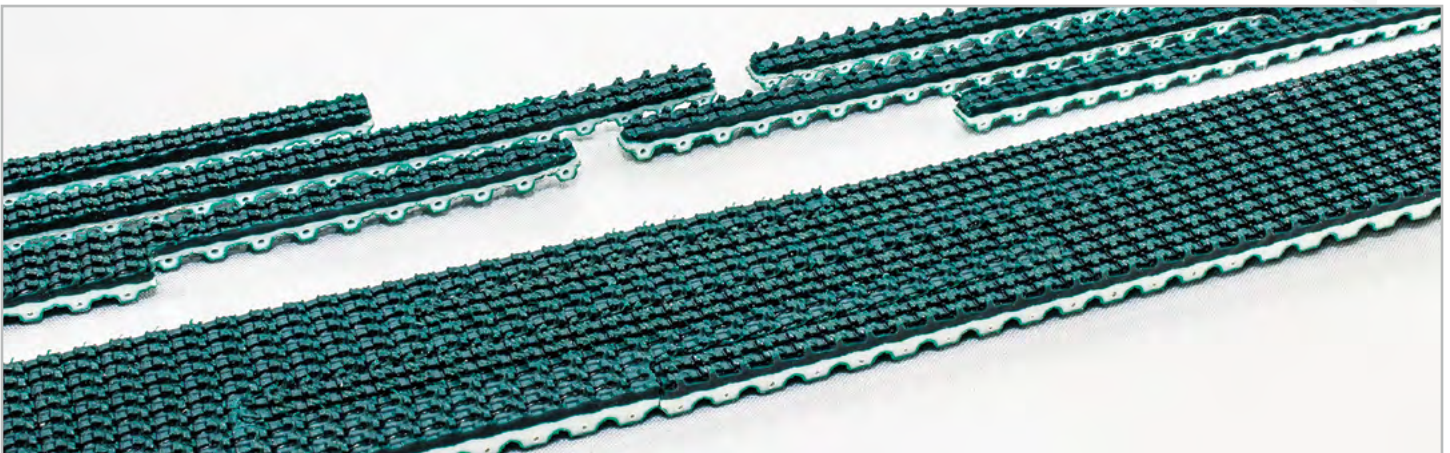
PPJ system allows for rapid installation of open-end Megalinear belts. The installation or replacement process is fairly simple: The ends of the belt are wrapped around the pulleys, the fingers are aligned, and the pins are inserted.

Plus, with the PPJ system, there is no need to use metal fasteners and it is not necessary to change the pulley size.

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The PPJ belt joining system is ideal for applications where it is difficult to install and replace traditional belts.

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PPJ Technical Features and Specifications

Megadyne's PPJ system is designed to provide users with a simple, reliable method for placing a timing belt on an application without the need to tear apart the conveyor or splice the belt endless on line.

Megadyne Americas' PPJ is available for use with several different types of belts, including:

- T10/AT10 (25 mm)
- T20/AT20/ATG20 (75 mm)
- TG10 K6 (25 mm)
- HTD8/RPP8 (20 mm)
- T10/AT10 (32 mm)
- HTD8/RPP8 (30 mm)
- T10/AT10 (50 mm)
- HTD8/RPP8 (50 mm)
- T10/AT10 (75 mm)
- HTD8/RPP8 (85 mm)
- T10/AT10 (100 mm)
- HTD8/RPP8 (100 mm)
- TG10/ATG10 (50 mm)
- HTD14/MTD14 (55 mm)
- T20/AT20 (32 mm)
- HTD14/MTD14 (85 mm)
- T20/AT20 (50 mm)
- H 075 (19.05 in)
- HG 150 (38.1 in)
- H 100 (25.4 in)
- HG 200 (50.1 in)
- H 200 (50.1 in)

Other key technical features of the PPJ include:

- For use with belts with cleats or covers, including AVAFC, APL, Fishbone, Ribbed, and Supergrip
- Incorporation of AISI 302 pin materials

It is important to note that PPJ is designed for use with:

- Conveying applications only; maximum suggested speed is 120 m/min
- Reduced load capacity compared to standard joined belts
- A minimum splice length of 700 mm



Learn More

Megadyne is a leading manufacturer and fabricator of power transmission, product handling, and linear positioning solutions. Our vast product portfolio includes timing belts, V-belts, flat belts, multi-V rib belts, conveyor belts, and specialty belts. With three manufacturing plants in the United States and 15 sales offices/distribution centers in the Americas, Megadyne can meet all of your unique application needs.

To learn more about Megadyne's PPJ system and discuss how it can help with your unique application, [contact the team today](#).



About The Megadyne Group

Megadyne Americas, a division of the Megadyne Group, Mathi Italy, is the consolidation of Jason Industrial, Belt Corporation of America, Sampla Belting and Megadyne America. Megadyne is a leading manufacturer and fabricator of a broad portfolio of products that serve industry needs in Power Transmission, Product Handling and Materials Handling. Our product portfolio includes Timing belts, V belts, Flat belts, Multi-V rib belts, conveyor belts, specialty belts, metal products and both industrial and hydraulic hose.