Sewing Drives Of The Future.

ZERO-MAX OFFERS "MADE IN U.S.A." CONTINUOUS AND INTERMITTENT PULLER DRIVES FOR COMMERCIAL SEWING APPLICATIONS

Zero-Max is the original and leading manufacturer of puller drives for both continuous and intermittent puller applications.

With over 40 years experience in the drive business, Zero-Max is dedicated to producing the finest quality product at competitive prices. Specified by the world leaders in sewing technology.



Continuous:

- Simple to install.
- Easy to synchronize amount of pull to the stitch length.
- A variety of shaft arrangements and controls are available.
- Provides long life, and units are repairable.
- Standard in the industry for over 40 years.

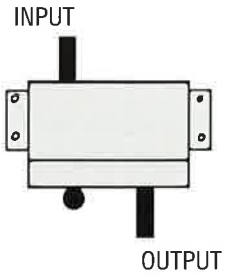
Intermittent:

- More even and consistent length stitches
- Produces flat, smooth stitches without waviness or puckering problems.
- Prevents skipped stitches often a problem with continuous pullers, especially at higher sewing speeds.
- Prevents material tears when sewing fine material.
- Reduces needle breakage, wear and machine downtime.

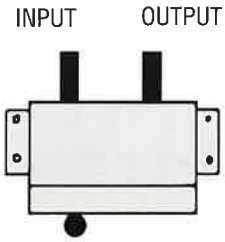
Zero Max Intermittent Puller Drives

Continuous Models	Intermittent Models
SE1, SE2, SE41, SE42	E1ID, E2ID, E41ID, E42ID
SJK1, SJK2, SJK41, SJK42	JK1ID, JK2ID, JK41ID, JK42ID
SY1, SY2, SY41, SY42, SY61, SY62	Y1ID, Y2ID, Y41ID, Y42ID, Y61ID, Y62ID

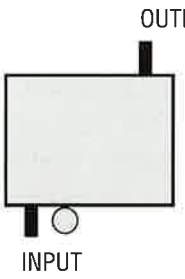
TYPE 1 OR 2



TYPE 41 OR 42



TYPE 61 OR 62



Installation Instructions

Continuous Puller Drive

The Puller drive should be firmly bolted to a flat mounting surface through the four slots in the base of the drive. Care should be taken to avoid excessive belt tension. Pulleys should be mounted as close to the puller drive housing as possible. Firmly tighten set screws on pulleys and couplings.

Intermittent Puller Drive

Follow the above instructions with the exception of tightening the set screw on the input shaft.

1a. On the sewing machines that utilize a feed dog, advance the sewing machine so that the needle is at the top dead center of its travel.

1b. On sewing machines that utilize a needle-feed principle, advance the sewing machine so that the needle is at the bottom dead center of its travel.

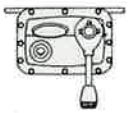
2. On the Puller, align the timing mark on the input shaft with the timing mark machined on the case. A screw driver slot is provided in the end of the input shaft to assist in aligning the timing marks.

3. Install the timing belt and tighten the setscrew(s) in the pulleys. We recommend using hollow-point setscrews and tightening to the flat portion of the output shaft and round portion of the input shaft (to allow for timing of the input shaft).

(STANDARD)

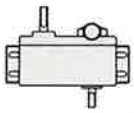


(CEILING)





(WALL MOUNT LEFT OR RIGHT WALL)



(WALL MOUNT OUTPUT SHAFT DOWN OR OUTPUT SHAFT UP)

Drives: The Zero Max drive runs in oil and is filled at the factory with Chevron Delo 100 motor oil SAE 40. (Zero Max #400).
If Zero Max #400 lubricant (Chevron Delo 100) is not available from your Zero-Max distributor or service station use Mobil-Delvac 1140. In an emergency use a good grade SAE 40 detergent motor oil.

THE PROPER QUANTITY OF LUBRICANT WHEN REFILLING

MODEL	LUBRICANT QUANTITY OUNCES	LITERS
E	13	.385
JK	18	.533
Y	43	1.273

ZERO-MAX®
MOTION CONTROL PRODUCTS

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