

Series LC Link-Belt® Takeup Frames for Ball, Roller and Sleeve Bearing Pillow Blocks

Installation Instructions B-BTF-90

IMPORTANT – Read Carefully

These instructions are provided to aid in the proper installation, operation and maintenance of Link-Belt Series LC Universal Takeup Frames used to position a variety ball, roller or sleeve bearing pillow blocks. They should be carefully read and followed. Failure to do so may result in unsatisfactory service as well as serious personal injury or property damage.

CAUTION

The reliability built in all Link-Belt bearings can be realized in service only when they are correctly selected, properly installed, protected and maintained.

The correct selection of Universal Takeup Frames requires that the magnitude and nature of all loads, alignment, mounting, and maintenance be

adequately considered. The selection of materials for and design of takeup frames and supports as well as provisions for installation and maintenance must follow good engineering principles. Takeups must be selected and installed with regard to the degree and direction of the forces that will occur. For this reason takeups are best located where loads are moderate and no shock loads are present. As many mounting arrangements are possible with takeups proper safety factors must always be considered on all items of the system, including shafts, housings, fasteners and adjusting screws. Link-Belt Bearing Division, should be consulted where unusual loading conditions exist.

The following general points of installation and operation are very important:

A. Bearing Units – The Service Instruction for the bearing pillow block mounted on these frames

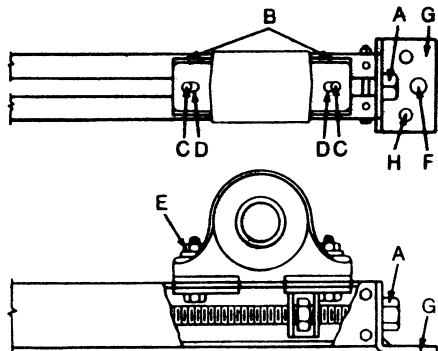
must be followed to assure conformance with the peculiar requirements of each type of unit.

- B. Careful Handling** – Hammer blows or improper use of force can damage precision parts.
- C. Fasteners** – High strength fasteners correctly torqued should be used to mount the takeups to their support structure and to prevent the units from shifting when loads are applied. Assure that the frame bolts, if any, are also correctly tightened to prevent any shifting of frame parts.
- D. Mounting Surfaces** – Mounting surfaces should be flat and square with the shaft so that frames are not distorted and so that bearings can be correctly aligned. Structure should be adequate to support loads.
- E. Free Rotation and Alignment** – Check for free rotation before machine start up to assure that final alignment is proper.

INSTALLATION

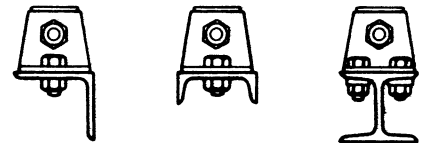
To Mount pillow blocks on universal takeup frames proceed as follows:

1. Turn adjusting screw nut (A) to locate mounting pads (B) to suit pillow block size. Position pillow block on mounting bolts (C).
2. Position mounting bolts (C) against outside edge of pillow block slotted holes (D). Tighten nuts (E) to secure pillow block to mounting pad.



To Mount Universal Takeup Frames

1. Use single large center hole (F) in mounting foot (G) for angle and channel supports.
2. Use two small holes (H) in mounting foot (G) for I-beam and most side mounting supports.

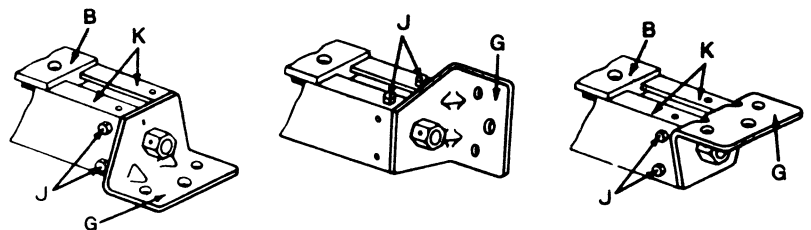


Side-Bearing Mounting

Multi-bearing takeup frames are packaged assembled for top bearing mounting and may be altered as follows:

1. Remove bolts (J) from both ends of frame.

2. Remove channels (K). Rotate mounting feet (G).
3. Replace channels (K) in mounting pad (B) grooves and attach with channel fasteners (J).



IMPORTANT — The service instructions enclosed with the bearing unit to be used should be closely followed to assure satisfactory operation.

LIMITED WARRANTY-LIABILITY

- A.** IT IS EXPRESSLY AGREED THAT THE FOLLOWING WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION OR LIABILITY ON OUR PART OF ANY KIND OR NATURE WHATSOEVER.

No representative of ours has any authority to waive, alter, vary or add to the terms hereof without prior approval in writing, to our customer, signed by an officer of our company. It is expressly agreed that the entire warranty given to the customer is embodied in this writing; that this writing constitutes the final expression of the parties' agreement with respect to warranties; and that it is a complete and exclusive statement of the terms of the warranty.

We warrant to our customers that all Products manufactured by us will be free from defects in material and workmanship at the time of shipment to our customer for a period of one (1) year from the date of shipment. All warranty claims must be submitted to us within ten days of discovery of defects within the warranty period, or shall be deemed waived. As to Products or parts thereof that are proven to have been defective at the time of shipment, and that were not damaged in shipment, the sole and exclusive remedy shall be repair or replacement of the defective parts or repayment of the proportionate purchase price for such Products or parts, at our option. Replacement parts shall be shipped free of charge f.o.b. our factory.

This warranty shall not apply to any Product which has been subject to misuse; misapplication, neglect (including but not limited to improper maintenance and storage); accident; improper installation, modification (including but not limited to use of unauthorized parts or attachments), adjustment, repair or lubrication. Misuse also includes, without implied limitation, deterioration in the Product or part caused by chemical action, wear caused by the presence of abrasive materials, and improper lubrication. Identifiable items manufactured by others but installed in or affixed to our Products are not warranted by us but, bear only those warranties, express or implied, given by the manufacturer of that item, if any.

Responsibility for system design to insure proper use and application of Link-Belt Products within their published specifications and ratings rests solely with customer. This includes without implied limitation analysis of loads created by torsional vibrations within the entire system regardless of how induced.

- B.** It is expressly agreed that our liability for any damages arising out of or related to this transaction, or the use of our Products, whether in contract or in tort, is limited to the repair or replacement of the Products, or the parts thereof by us, or to a refund of the proportionate purchase price. We will not be liable for any other injury, loss, damage or expense, whether direct or consequential, including but not limited to loss of use, income, profit, production, or increased cost of operation, or spoilage of or damage to material, arising in connection with the sale, installation, use of, inability to use, or the replacement of, or late delivery of, our Products.
- C.** It is also expressly agreed that any cause of action for breach of any warranty must be brought within one year from the date of the breach.

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