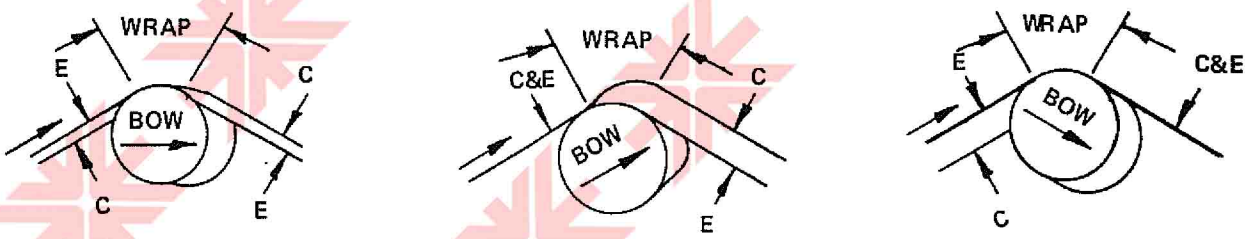
POSITIONING DIRECTION OF BOW



POSITION OF BOW

NORMAL MOUNTING
Edges and center of web travel equal paths
C=Center
E=Edge

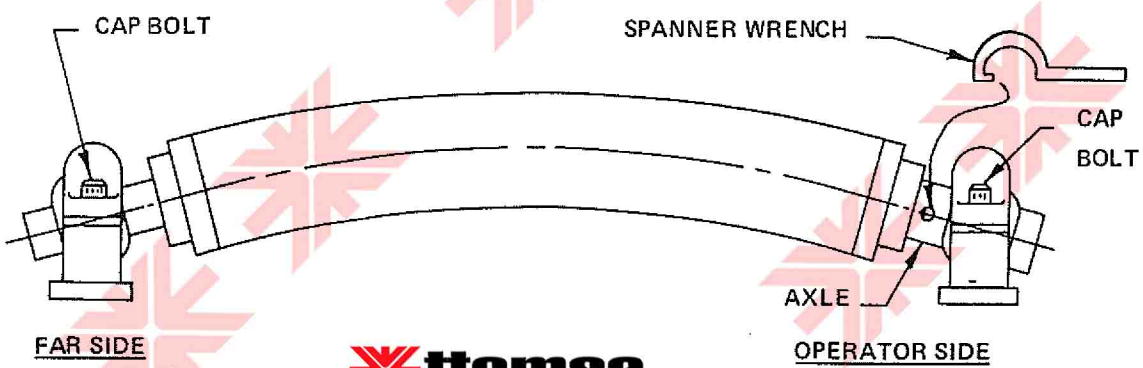
TO TIGHTEN CENTER
Turning the bow into web will cause center to travel a greater distance than edges

TO TIGHTEN EDGES
Turning the bow away from web will cause edges to travel a greater distance than center

PROCEDURE FOR POSITIONING DIRECTION OF BOW

1. Loosen cap bolt on far side of bowed roll.
2. Engage spanner wrench (supplied by W. P. Evans) into spanner holes in axle on operator side of bowed roll.
3. Taking a firm hold of the spanner wrench, loosen cap bolts on operator side and set direction of bowed to desired position.
4. Tighten cap bolts on both operator side and far side of bowed roll.

NOTE: Failure to tighten cap bolts firmly may cause direction of bow to move out of position while machine is operational and/or cause roll vibration.



HANDLING

The W. P. Evans bowed roll is a precision piece of equipment and proper handling is important. Every bowed roll is shipped with a heavy wall fiber core to be used as a lifting adapter. If the roll is to be picked up and the lifting points are on the roll face, this adapter, or any other lifting device, must have at least 12" of bearing area on the roll face. Failure to do this may cause damage internally and/or to the cover.

INSTALLATION

Our standard pillow blocks have either 2 or 4 hole mountings. For pillow block mounting dimensions see attached dwg.

Mounting centers on some of our bowed rolls are fixed, therefore drilling and tapping of your machine frame should be held as close as possible. Care must also be taken during the initial installation to ensure that the roll is square to the web travel. A misaligned roll may cause excessive wear on the roll cover and cause the web to run off to one side.

ROLL COVER

The Evans bowed roll covers are made of the highest quality materials available. The standard cover is green in color and of a Nitrile compound. The high temperature cover is yellow in color and of an E.P.D.M. compound. Should the roll have to be stored or left inoperative for an extended period of time, the roll cover should be wrapped to protect it from dirt and grease. Should the cover get dirty, it may easily be cleaned using a mild cleaning solution. Do not at any time use or allow any sharp object to come in contact with the surface of the roll. This may cause permanent damage to the cover. Under normal conditions, these covers will give many years of service.

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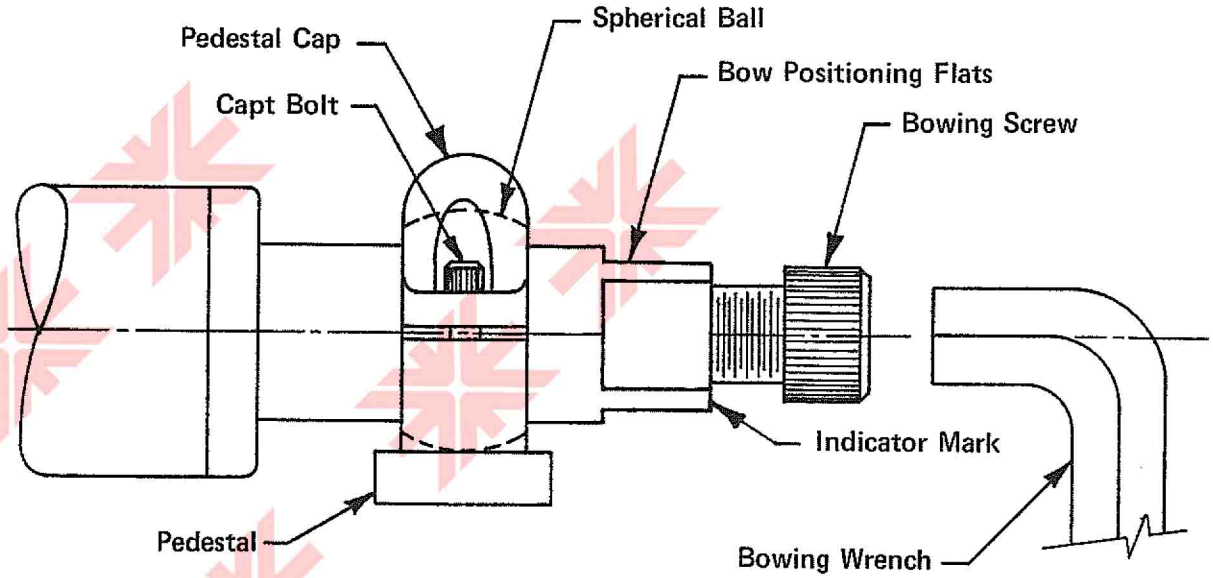
"AJUSTA BOW"



PROCEDURE FOR INCREASING OR DECREASING BOW

1. Loosen cap bolt on adjusting end of bowed roll, allowing spherical ball to align itself with the roll axis while adjusting the bow.

2. Insert bowing wrench into end face of bowing screw, turn bowing screw clockwise to increase and counterclockwise to decrease the bow.

3. Tighten cap bolts on adjusting end of bowed roll.

4. Loosen cap bolts on far end of bowed roll to allow ball alignment with roll axis.

5. Tighten cap bolts on far end of bowed roll.

   NOTE: Loosening cap bolts at both ends at once, will cause apex of roll to move.

PROCEDURE FOR POSITIONING DIRECTION OF BOW

1. Loosen cap bolts on far side of bowed roll.

2. Engage 1 1/4" wrench with bow positioning flats. Red indicator mark indicates position of apex.

3. Taking a firm hold of the wrench, loosen cap bolts on adjusting end and set apex to desired position.

4. Tighten cap bolts on both ends of roll to avoid movement of apex while machine is operational.