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WEBANCOR BOWED ROLLS



FIXED BOWED BOWED ROLLS: The general purpose bowed roll that fixes 90 percent of the wrinkle and stretch problems. The bow is fixed, normally at 1% of the span. Other amounts of bows are available. The roll can be rotated around its axis to help with the amount of "virtual bow". Produced in all the standard diameters, plus special, custom inch and metric dimensions.

Any length is possible within manufacturing limits. The diameter depends on the length of the span and the web tension. Long lengths and high tensions require larger diameters and larger center bars.

Mounts are available in foot and flange mounts designs. Economical light duty mounts, to heavy duty clamp locking mounts. **Shown here** is a standard duty flange mount. This is

suitable for narrow webs and low tensions. We can supply a Heavy Duty locking mount for higher tensions and wider webs in both foot and flange mounts.. Fixed bow bowed rolls usually have hexagon ends for adjusting with a wrench or spanner. When constant axial adjustment is required we recommend a hand wheel adjuster that allows adjustment of the roll axially even when the web is running.

FULLY ADJUSTABLE BOWED ROLLS: This bowed roll adjusts the amount of bow, generally between ½ and 3% of the span. The fully adjustable bowed roll is rotatable around its axis as well being able to adjust the amount of bow. This works for just about any change in Material, speed, tension, etc. The Fully Adjustable Bowed Roll usually has a heavy duty locking mount with a hand wheel to easily adjust the lateral rotation. The combination of the two adjustments covers most problems. Quite often this type is used in pairs to separate webs after slitting. The first separates and the second straightens the slit widths so that they will wind up in a straight roll without telescoping and falling over. The bow adjusting nut is at one end of the roll and can be on either left or right hand side. The wrench is supplied.