

Installation and Maintenance of WOVEN WIRE SCREENS

Control Costs

It pays to control your cost of material screening by using proper screen installation and maintenance procedures.

We help by providing high quality cloth, designed for the type of screening you do.

You can dramatically increase the life of your screens, control costs, and do a more efficient job of material screening by following these steps.

Screen Installation

1. Channel rubber or crown bar rubber must be replaced before new screens are installed to assure longer screen life.
2. Use new tension bolts and tension all bolts equally on both sides of the vibrator.
3. Screens should be centered on the deck before clamping rails are applied.
4. Make certain butted screen panels are tight together to avoid oversized material leakage.
5. Clamping rails must be exact length of the screen panel being installed. Never overlap clamping rails.
6. After 4 to 8 hours of operation, retighten the screen to take up any stretch that might occur.

Screen Maintenance

1. Inspect all clamping bars for corrosion and wear.
 - Make sure bars are not warped or worn to the point that they cannot provide even, tight tension.
2. Inspect all nuts and bolts.
 - Replace all worn or stripped parts in the screen assembly.
 - All hole positions on clamping bars must be used.
3. Maintain support deck
 - Remove channel rubber to inspect steel bars for wear, high and low spots, or bar breakage.
 - Support area must be uniform to ensure even and tight fit.
4. Change your channel rubber frequently.
 - We recommend changing channel rubber every time the screen is replaced, or at least every other time.
 - Remember that channel rubber will wear from the bottom up as well as from top down. Check both sides.
 - Never mix channel rubber sizes or styles such as Flat-Top and Round-Top on the same deck.

5. Check cushion and spread of material feed.
 - Cushioning of feed to the screen deck is essential to long screen life. Use feed plates or stone boxes so that materials do not hit wire cloth directly.
 - Material should be spread out to feed evenly over the entire screening surface for maximum screen life and production.

This also reduces uneven equipment wear as the vibrator is operating in a more balanced condition.

6. Inspect equipment for balance and excessive vibration.
 - An unbalanced machine can cause premature wire cloth failure.
 - Equipment with a violent, uneven vibrating motion will cause stresses in the screen, and the cloth may actually break apart.
 - Correct the unbalanced condition before continuing screening operation.

Metric Units and English Equivalents Conversion Chart

1 Millimeter = 0.03937 Inch
1 Meter = 39.370432 Inches