

HAYER & BOECKER



NIAGARA

TY-RAIL™ QUICK-TENSIONING SYSTEM



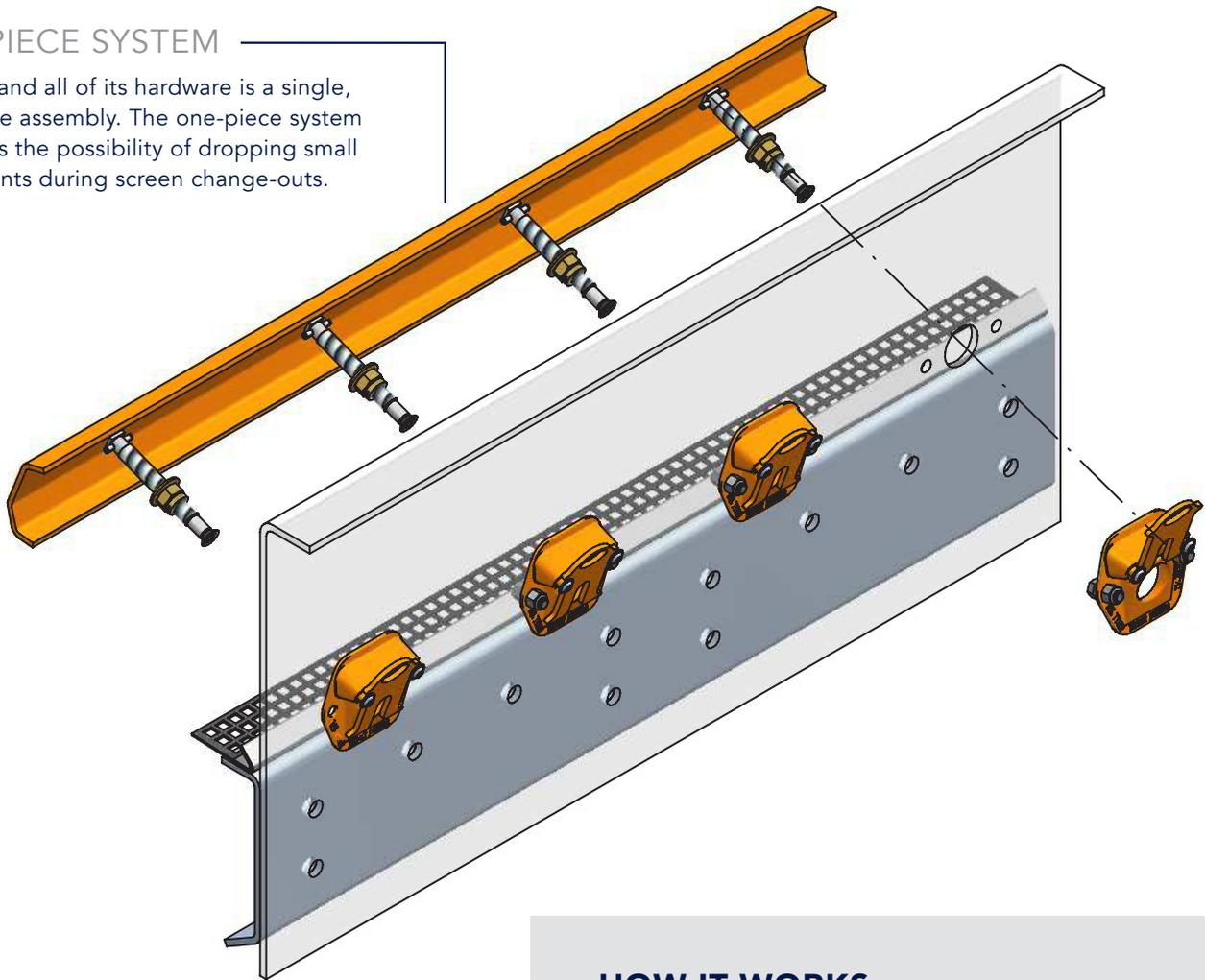
TY-RAIL™ QUICK-TENSIONING SYSTEM

The patented Ty-Rail™ quick-tensioning system **cuts screen change-out time in half**, drastically reducing costly downtime and improving productivity and profit for a fast return on investment.

Ty-Rail is designed to fit Niagara and Tyler side-tensioned vibrating screens and is standard on each machine. Ty-Rail can also be installed when refurbishing older Niagara or Tyler machines that have 3-bend tension rails.

ONE-PIECE SYSTEM

Each rail and all of its hardware is a single, removable assembly. The one-piece system eliminates the possibility of dropping small components during screen change-outs.



HOW IT WORKS

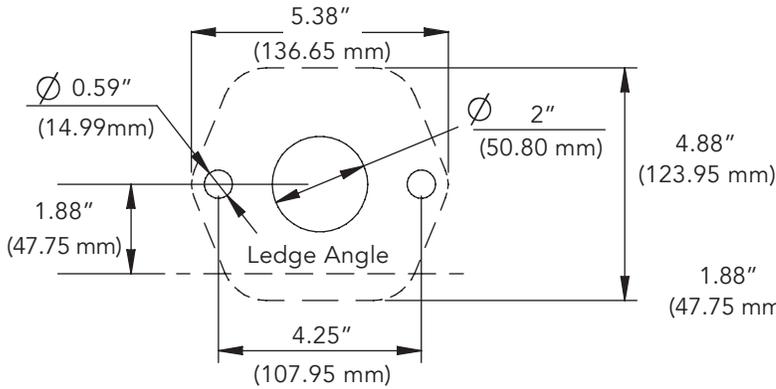
1. Loosen tension bolts and shift locking plates up
2. Lift tension rail out
3. Change screen media
4. Move tension rail back into place
5. Shift locking plates down and tighten tension bolts

TY-RAIL™ QUICK-TENSIONING SYSTEM

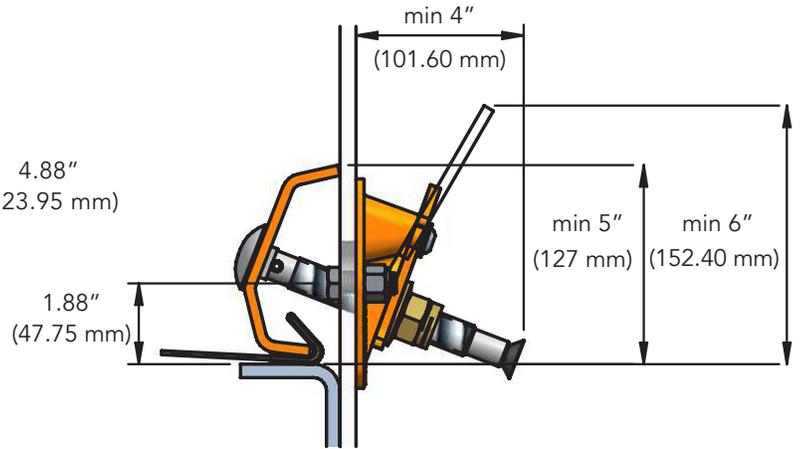
MEASUREMENT GUIDE

To determine if Ty-Rail can be installed on other brands of vibrating screens, please consult the measurement guide below.

BOLT PATTERN ON SIDE-PLATE

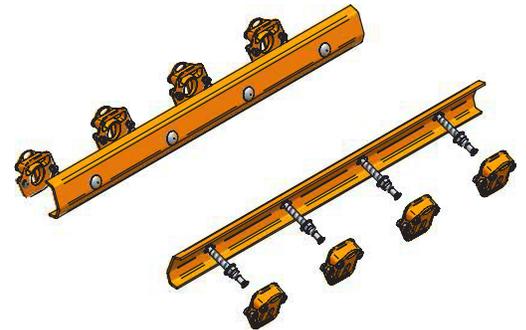
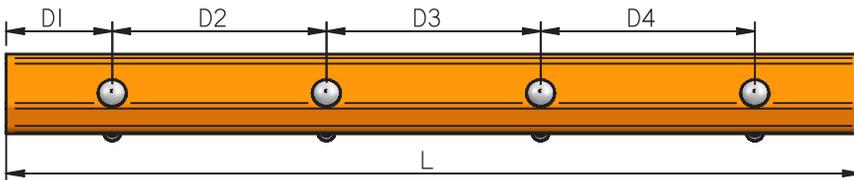


INSTALLATION AND OPERATION CLEARANCE



TY-RAIL ORDERING INFORMATION

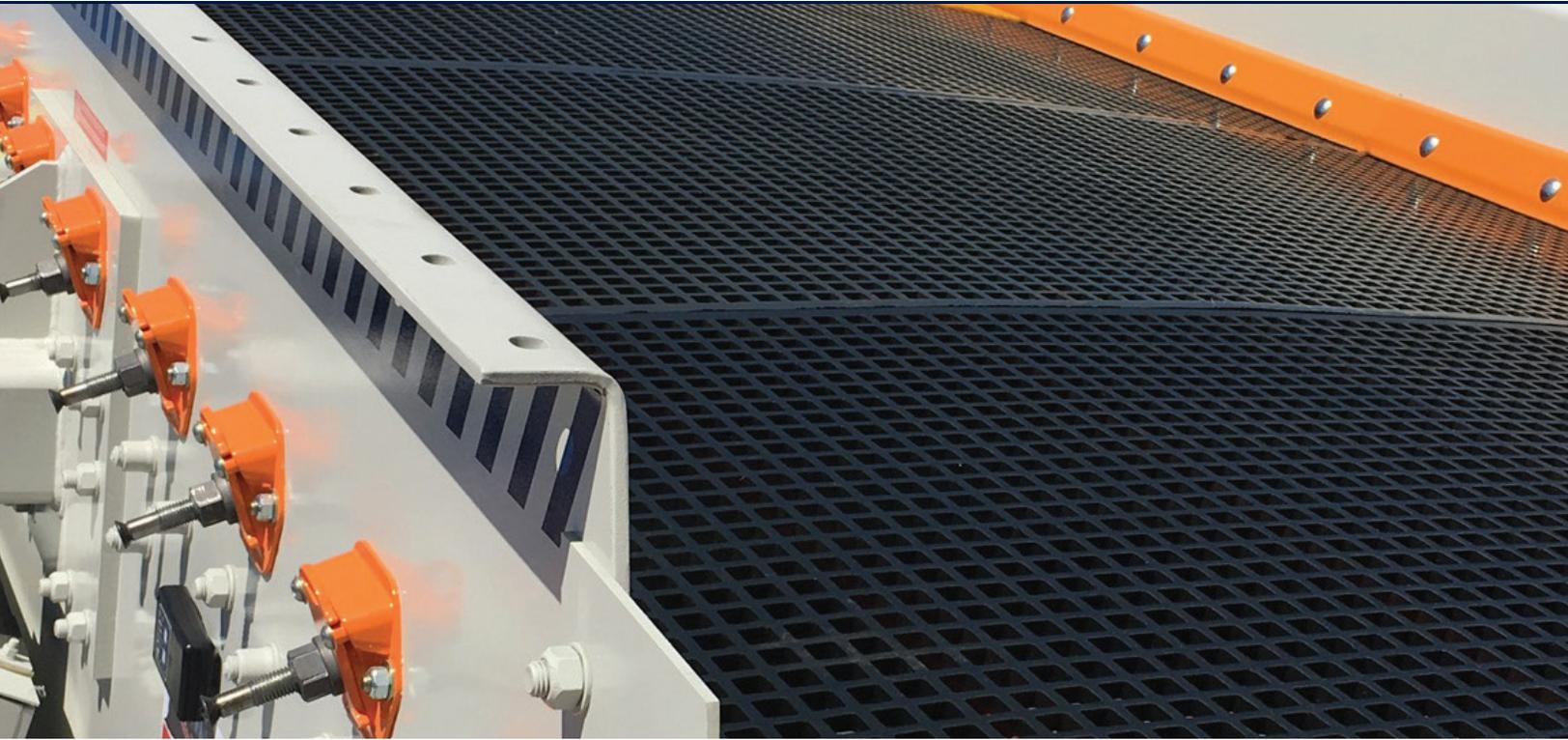
Each Ty-Rail kit contains two tension rails along with all of the bolts and angle boxes required to tension one 4-foot (1.22m) or 5-foot (1.52m) section.



	TENSION RAIL DIMENSIONS						
	L	D1	D2	D3	D4	D5	D6
SCREEN POSITION 1							
SCREEN POSITION 2							
SCREEN POSITION 3							
SCREEN POSITION 4							
SCREEN POSITION 5							
SCREEN POSITION 6							

Standard tension rails are available in 48" (1,219.20mm) and 60" (1,524mm) length with 12" (304.80mm) spacing.

TY-RAIL™ QUICK-TENSIONING SYSTEM



CALCULATE ROI WITH TY-RAIL

CALCULATE ADDITIONAL TONS PER YEAR WITH TY-RAIL

$$\frac{\text{HOW MANY SCREEN SECTIONS DO YOU CHANGE OUT PER YEAR?}}{\text{DO YOU CHANGE OUT PER YEAR?}} \times 30 = \frac{\text{MULTIPLY BY 30 TO DETERMINE MINUTES SAVED}}{\text{MINUTES SAVED}} \div 60 = \frac{\text{DIVIDE BY 60 TO DETERMINE HOURS SAVED}}{\text{HOURS SAVED}} \times \frac{\text{HOW MANY TONS PER HOUR DOES YOUR OPERATION PRODUCE?}}{\text{DOES YOUR OPERATION PRODUCE?}} \text{TPH} = \frac{\text{ADDITIONAL TONS PER YEAR WITH TY-RAIL}}{\text{PER YEAR WITH TY-RAIL}}$$

CALCULATE ADDITIONAL SALES PER YEAR WITH TY-RAIL

$$\frac{\text{ENTER YOUR ADDITIONAL TONS PER YEAR FROM THE CALCULATION ABOVE}}{\text{CALCULATION ABOVE}} \times \frac{\text{WHAT IS YOUR SELLING PRICE PER TON?}}{\text{PRICE PER TON?}} = \frac{\text{THE TOTAL EQUALS THE ADDITIONAL SALES PER YEAR YOU CAN ACHIEVE WITH TY-RAIL}}{\text{PER YEAR YOU CAN ACHIEVE WITH TY-RAIL}}$$

Calculation assumes one screen change-out takes one hour.

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