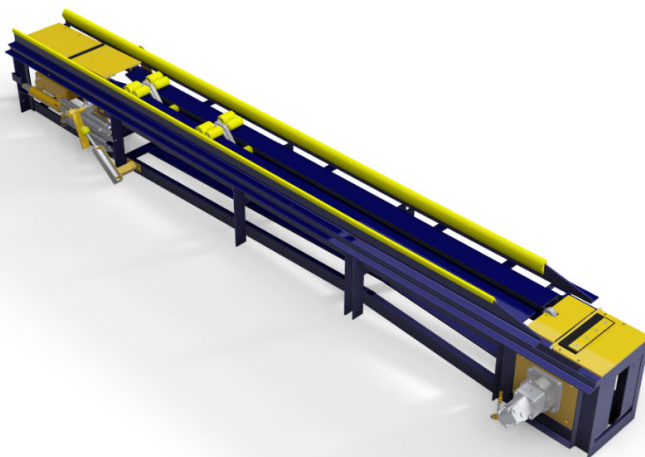


Conveyor



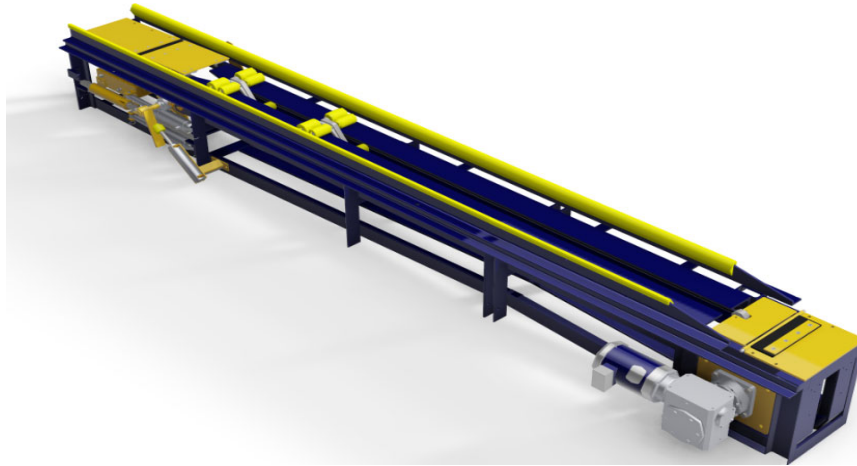
1

Hydraulic Drive >95%



2

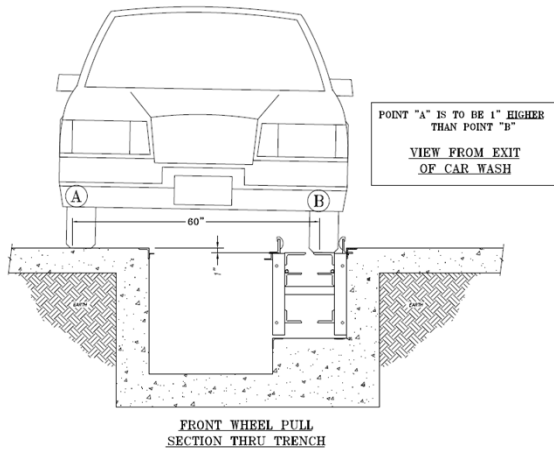
Electric Drive <5%



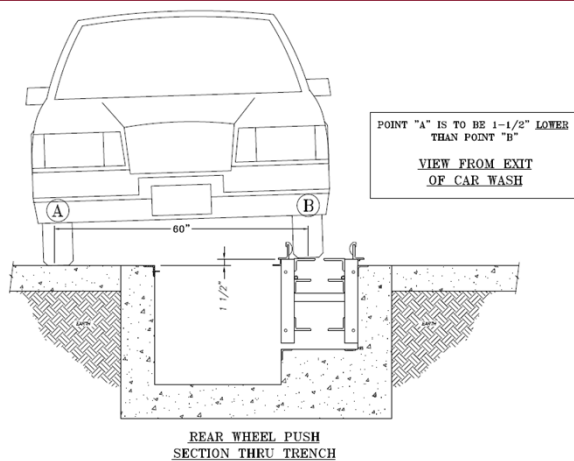
Surface Conveyor

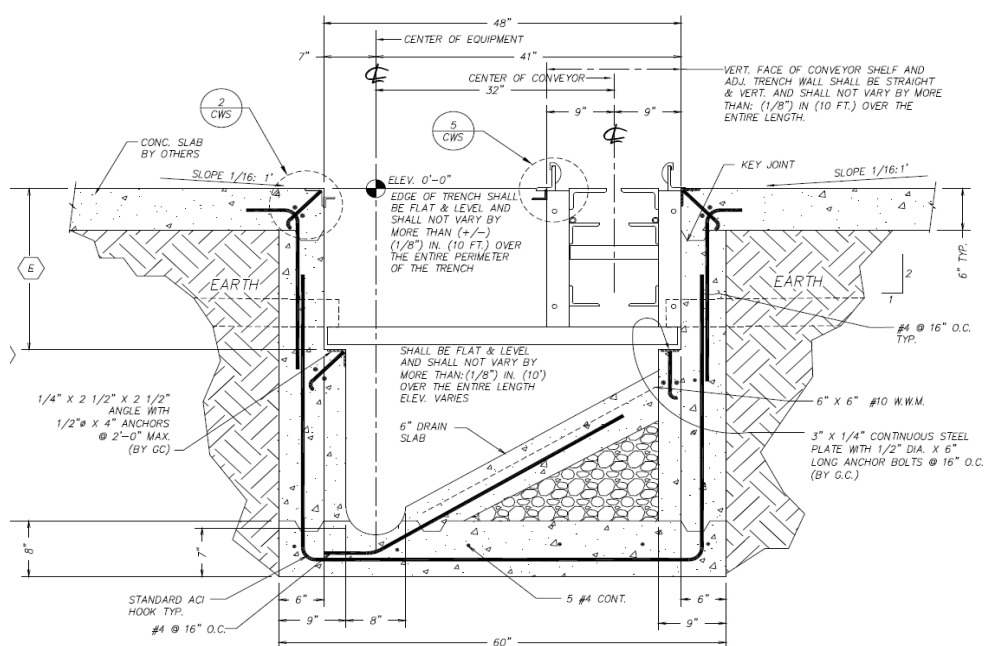
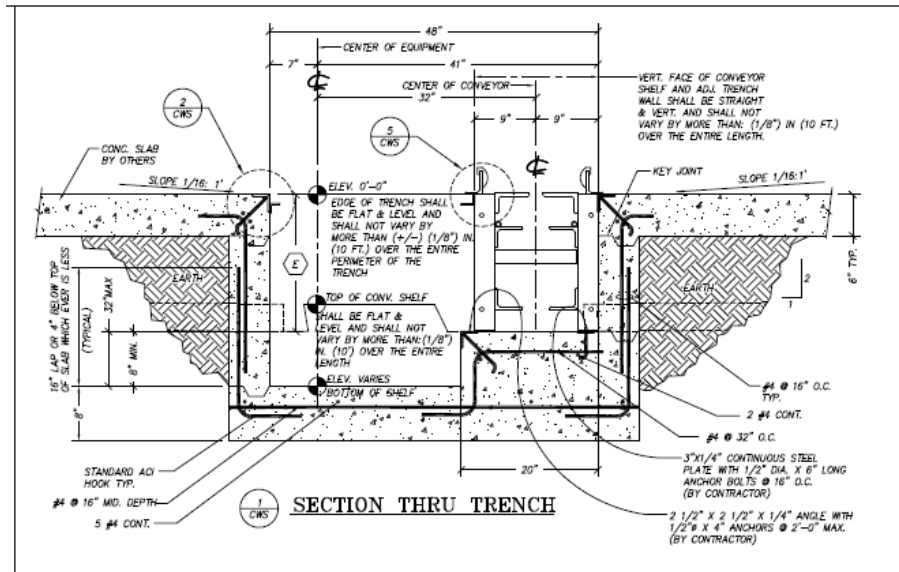


Front Wheel Pull

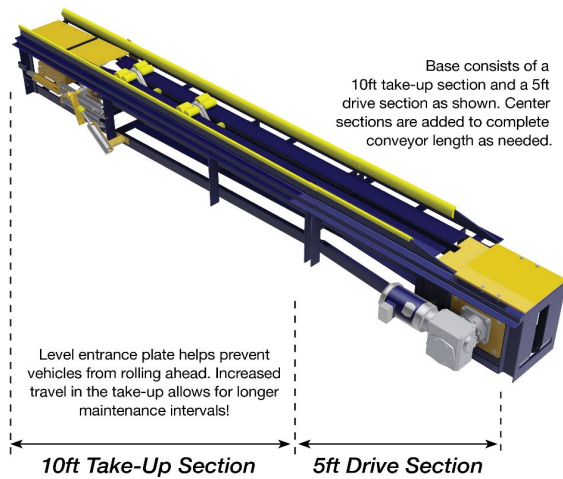


Rear Wheel Push

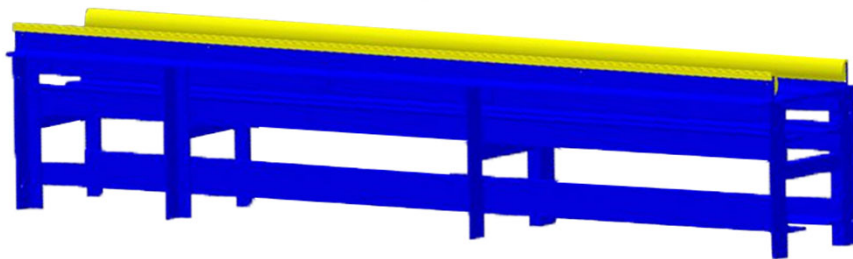




- Banana Peel rails featuring a smooth curved design and 13-1/2in conveyor deck accommodate today's low-profile tires, wide rims and all-wheel-drive vehicles.



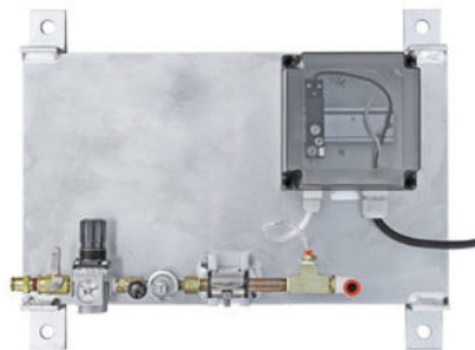
Center Sections of Conveyor Come in 15,10, 5, 4, 3, 2, and 1 Foot Sections



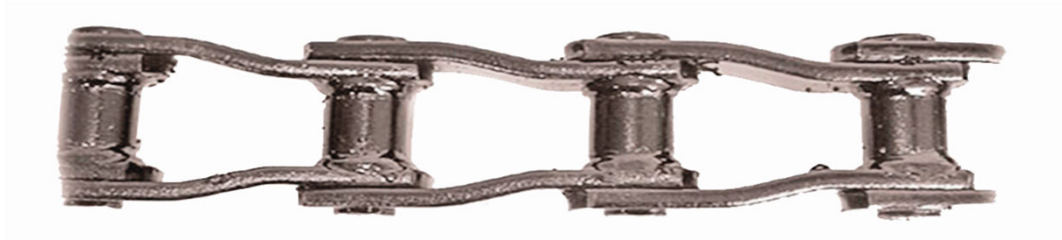
Cars Per Hour

- To verify your pulse switch, measure inches a roller travels in 15 seconds.
- Distance traveled, in inches, is equal to the chain speed, or cars per hour the chain is running.

Low Level Switch(30 psi) on Air Safety Panel



SC78 Welded Steel(master link)Chain 16 Pitch Only



D88K Steel Chain(master link)16 or 34 Pitch



Log Chain 11 Pitch



15

X458 Chain aka Dogbone Comes in 10 Foot Sections



16

6 Wheel Roller



Triangle Plates and Carrier Links



4-Wheel Log and CX458 Roller

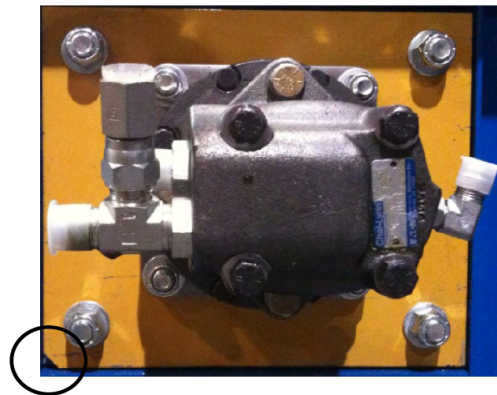


Heco Plate in Relation to Sprocket

Gear box mounting plate should be installed with 2 ½" side **DOWN** as indicated by bull-nosed corner when uses on a 4-tooth sprocket.

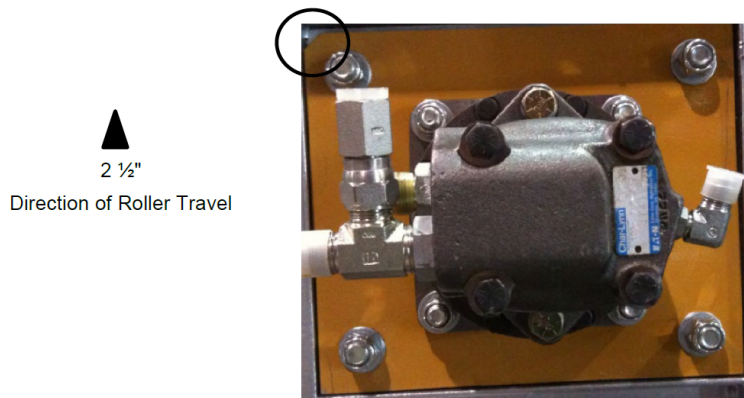
Direction of Roller Travel

2 ½"



Heco Plate in Relation to Sprocket

Gear box mounting plate should be installed with 2 ½" side **UP** as indicated by bull-nosed corner when used on a 12-tooth sprocket.



Adjustments and Testing

Conveyor Speed Hydraulic

1. Conveyor speed is adjusted at the flow control valve on the Hydraulic Power Pack that supplies fluid for the Conveyor.
2. Conveyor speed may be set from 50 to 200 cars per hour depending on the equipment in the tunnel and proper chemistry.

Adjustments and Testing Electric

1. The speed is adjusted on the Variable Frequency Drive (VFD).
2. To increase the speed adjusts the Hertz on the VFD to a higher number. (60 Hertz Max)
3. To decrease the speed adjusts the Hertz on the VFD to a lower number.
4. The Overload on the Motor Starter protector(s) must be set at the lowest level to allow for operation. Adjust the amps in accordance with motor(s) name plate.

Items of Note

Roller-Up Function (Air)

1. Adjustment is made at air regulator on the Control Panel.
2. Should be set to 40-50PSI at the switch.
3. Observe movement of Roller-Up forks. Older style forks should move smoothly and completely up and down. Newer style should be pushed into position for roller to bring up to deck with as little air pressure as possible.

Tension

1. The air take-up should have 40-50PSI at the switch for most chain types.

Note: If using log chain, the tension pressure should be set at 60-80PSI

Preventive Maintenance Daily

DAILY

1. Opening Checks

- a. Check for leaks around hoses and fittings, repair any hydraulic leaks immediately.

1) At Drive Section, check for hydraulic leaks around the Drive Motor and connectors.

2) At Take-Up Section, check for air leaks around Roller-Up cylinder and shocks.

2. Operational Checks

- a. General examination of operation, listening for any unusual noises. Observe the operation of the conveyor, the roller-up function, and power pack, watch for anything out of place and listen for any unusual noises.

3. Closing Checks

- a. Remove pit grading from the Take-Up and Drive sections of the conveyor and wash down the conveyor using prep gun. This should be done at the end of each day to prevent buildup which could cause chain jams and premature wear.



Master Your Trade
www.SonnysDirect.com



25

Preventive Maintenance Weekly

WEEKLY

1. Perform a close inspection of operation.

- a. Check Roller-Up operation, fork alignment, and freedom of travel at the Take-Up section.

- b. Check for oil leaks around drive motor and speed reducer at the Drive section.

- c. Check for sprocket alignment and sprocket wear at both Take-Up and Drive sections.

2. Wipe excess dirt and grime off the Take-Up slides with a clean rag.

3. Grease Take-Up shaft bearings with 1-2 pumps per bearing.

4. Check the position of the carriage on the slide tube, if there is less than ½" between the carriage and split collar a link should be removed. (See figure #1 for collar placement)

5. Spray lubricant (white lithium grease) on the air cylinder rod end and clevis.



Master Your Trade
www.SonnysDirect.com



26