



CHAIN CONVEYOR

SECTION CONTENT

Chain Conveyor
Optional Equipment and Devices

WHY CC?



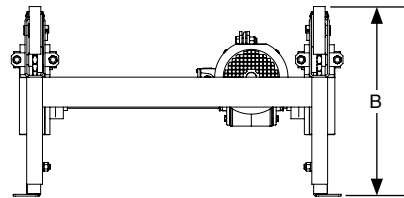
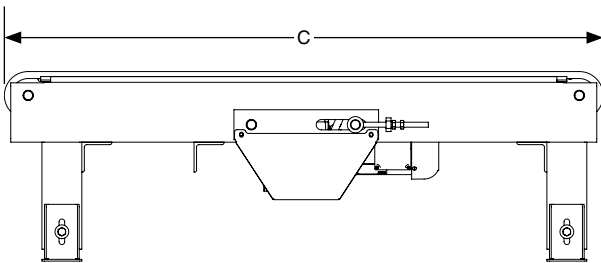
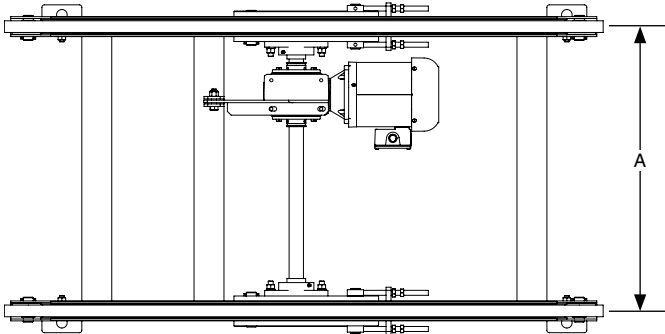
- Ideal for wrong way pallets or oddly shaped items such as truck frames or racks
- Conveys loads with irregular bottoms that won't move on roller conveyor
- Rugged and durable style is made even stronger with our welded, structural tube steel rail design
- Integrates easily in systems with CDLR and transfers
- Common applications include palletizing, filling, load staging, robotic cells, stretch wrapping, strapping and transportation

MAXIMUM CAPACITY	CHAIN	CHAIN TRACK	TOP OF CHAIN	MINIMUM CHAIN CENTERS	MINIMUM LENGTH	HORSEPOWER
(lbs.)	Size	Material	B (in.)	A (in.)	C (ft.)	HP
500	C50	UHMW*	10 - 60	8	3	1/2
1500	C60	UHMW*	14 - 60	9		1/2
2000	C60	UHMW*	14 - 60	9		3/4
3000	C80	UHMW*	15 - 60	14	See Omni Sales	1
4000	C80	Steel	16 - 60	16		2
6000	C100	Steel	18 - 60	16		3

Chart is based on 2 strands at 30 FPM

Additional capacities and sizes are available

*Also available with steel track. HP is affected.



STANDARD SPECIFICATIONS

CHAIN - C50, C60, C80, C100 or C120 flat side bar chain

TRACK - UHMW polyethylene on C50, C60 and C80 sizes (up to 3000 lbs. depending on speed and footprint) provides wear resistance, quiet operation and reduces power requirements. Special alloy steel track on all sizes for increased load capacity.

FRAME - Structural tube chain rails

CONSTRUCTION - Welded frames, spreaders and end couplers

CHAIN CENTERS - 8" to 96" in any increment

OVERALL LENGTH - 3' to 50' in any increment

DRIVE STYLE - Center drive

SPEED - Up to 100 FPM

MOTOR - 1/4 HP through 5 HP, 1750 RPM, C-face, 208-230-460V/3PH/60Hz, TEFC

Expanded product parameters available

REDUCER - Sealed, worm gear, C-face

DRIVE SPROCKETS - C series sprockets with keyed hub and set screws. Idler sprocket assemblies include shaft and internal bearings.

MOUNTED BEARINGS - Precision, sealed, pre-lubricated, self-aligning, flange mount ball bearing units with cast iron housing

DRIVE CHAIN - RC series roller chain

TAKE-UP - Screw type take-up assembly

SUPPORTS - Structural channel H-style, welded 12" to 60" from floor to top of chain. Supports are shipped loose.

FINISHES - Powder coat finish standard. Wet spray available.

OPTIONAL EQUIPMENT AND DEVICES

STRANDS - Three or more strands available for optimum product support

SIDE GUIDES - Available in fixed or adjustable with multiple contact surfaces. Allows product to be guided and kept in place within the conveying surface. Side guides are bolted or welded to the conveyor frame.

Fixed Angle Side Guides - Standard 2" high or 6" high, 12 ga. formed angle

Adjustable Angle Side Guides - Angle guides typically formed angle, width adjustable

UHMW Lined Fixed Angle Side Guides - Replaceable UHMW face provides wear protection for angle guides

Skatewheel Side Guides - Vertically mounted skatewheels

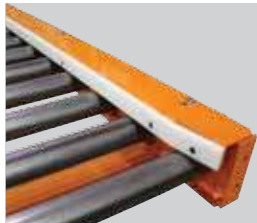
Roller Side Guides - Vertically mounted rollers



FIXED ANGLE SIDE GUIDES



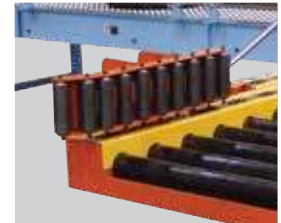
ADJUSTABLE ANGLE SIDE GUIDES



UHMW LINED FIXED ANGLE SIDE GUIDES

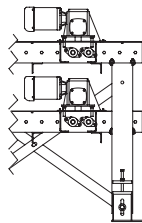


SKATEWHEEL GUIDES

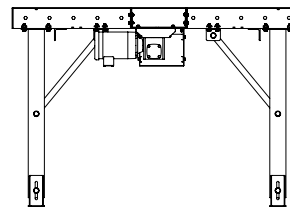


ROLLER SIDE GUIDES

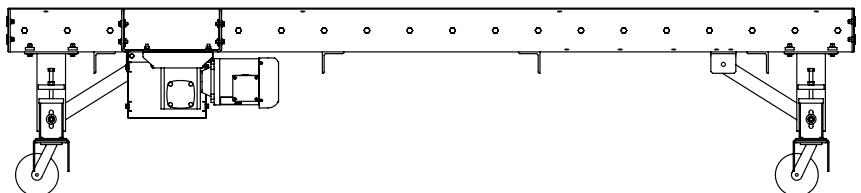
SIDE GUIDES



MULTI-TIER SUPPORTS



KNEE BRACE SUPPORTS



PORTABLE H-STANDS SUPPORTS

SUPPORTS - Available in single or multi-tier and with caster options for portability. Supports are designed to be bolted to the conveyor frame. Supports are shipped loose.

Multi-Tier Supports

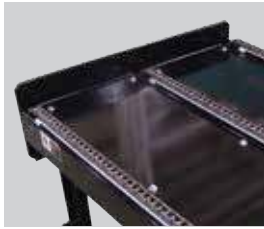
Knee Brace

Portable H-Stands Supports

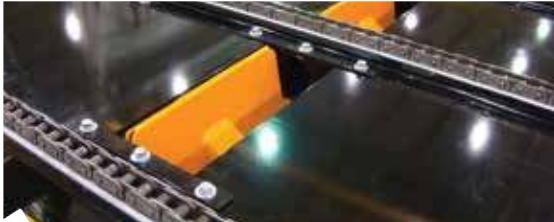
OPTIONAL EQUIPMENT AND DEVICES



FIXED END STOP (PER STRAND OR WIDTH OF CONVEYOR)



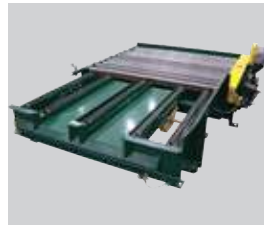
ADJUSTABLE END STOP
END STOPS



PNEUMATIC POP-UP BLADE STOP
BLADE STOPS



FORK DEFLECTOR



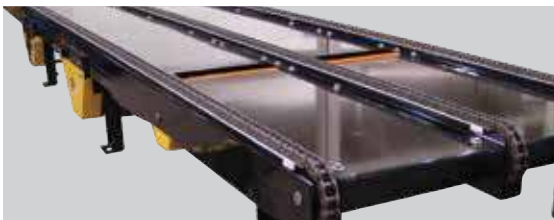
FORK POCKETS



FORK PROTECTION



FUNNELING GUIDES
FORK TRUCK INTERFACE



FILLER PLATE

END STOPS - Allows product to stop at the end of a conveyor line. Fixed and adjustable end stops are available.

Fixed End Stop (per strand or width of conveyor) - Structural channel bolted or welded to end of conveyor with optional structural angle reinforcement. Fixed stops can include fork cut outs for unloading.

Adjustable End Stop - Formed or structural steel adjustable end stop bolted to conveyor frame with manually adjusted stop position. Height is not adjustable.

BLADE STOPS - Pneumatically or manually operated blade that pops up in order to accumulate product

Pneumatic Pop-Up Blade Stop - Used to stop products in the conveying line. Mounted to underside of conveyor. Pneumatic cylinder raises blade.

FORK TRUCK INTERFACE - Fork truck loading and unloading interface can be provided to minimize damage to the conveyor, guide the forks to the correct lifting point on the product load or funnel the load to the correct loading point on the conveyor. Fork pockets, protection, frame cut outs, deflectors and loading funnel guides are provided as options. Heavy gauge formed steel and structural channel/angle are typically used.

Fork Deflector

Fork Pockets

Fork Protection

Funneling Guides

FILLER PLATE - Formed steel mounted between strands

STAINLESS STEEL - Conveyors are available in stainless steel materials for washdown applications or harsh environments