



# Multi-Strand Chain Conveyor

Our MSC is a Multi-Strand Chain Conveyor that is the workhorse of our Pallet Conveyor Products. It is designed to deliver full pallets to or from our transfers or turntables or simply to transport heavy unit loads that cannot be conveyed on roller conveyor. Available in two, three or four strand; low profile to standard as well as custom heights, MSC offers the versatility to suit your total systems solution. Our usual standard of high quality and simplicity of design coupled with the ease of the minimal required maintenance makes this product an ideal choice for highly reliable pallet conveyor systems.



## MSC FEATURES

- 5000 lb. Maximum unit load with 1000 lb./ft. maximum live load.
- Chain configuration of two, three or four strand. Chain centers range from 16" to 54" for two strand, 32" to 60" for three strand and 42" to 60" for four strand.
- Standard installed heights range from 12" to 60". Special heights are also available.
- The use of 6061-T51 aluminum alloy extrusion chain support rails allows for MSC to be fabricated in sections from 52 in. up to 20 ft. long.
- RC-60, flat side bar chains run in a wear resistant composite track.
- Motors range from 3/4 HP to 3 HP TEFC with electrical quick disconnect and hollow shaft gear reducer. Controlled acceleration and deceleration is optional.
- All drive components are fully visible. The drive sprocket and chain tensioners are visible through high impact, mar resistant polycarbonate drive covers that are easy to remove. The chain tensioners are designed to be easily adjusted without removing the covers.
- MSC Multi-Strand Conveyor is designed to be integrated with our Raised Roller Transfers, Parallel Chain Transfers, Chain Pivot Transfers and Chain or Roller Turntables, as well as with Chain Driven Live Roller Conveyor.

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# Multi-Strand Chain Conveyor

## MSC SPECIFICATIONS

### CONVEYABLE PRODUCTS -

Pallets, skids, large parts, or similar sized objects.

**CAPACITY** - 5000 lb. Unit load evenly distributed; 1000 lbs./ft. with supports @ 5 ft. centers.

### CHAIN CENTERS -

Two strand - 16" to 54";  
Three strand - 32" to 60";  
Four strand - 42" to 60".

**SECTIONS** - 52 in. long to 20 ft. long.

**CONVEYOR LENGTH** - 52" minimum; Maximum length for 3 HP drive is determined by chain pull limit of 9800 lb.

### CHAIN SUPPORT RAILS -

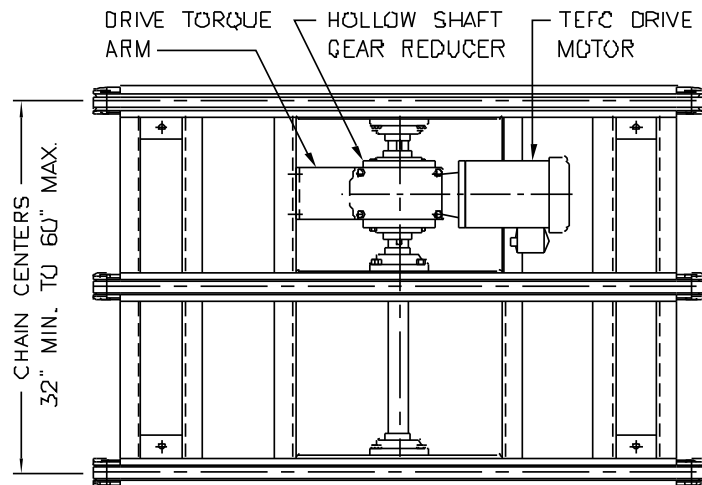
High strength 6061 - T51 aluminum alloy extrusion with low friction, wear resistant composite chain support track.

**DRIVE** - Hollow shaft gear reducer with C-faced TEFC motor and electrical quick disconnect; 3/4 HP - 3 HP @ 30, 45, 60, 75, 90 and 120 FPM. Adjustable chain take-ups are mounted in drive unit with high impact, polycarbonate transparent covers.

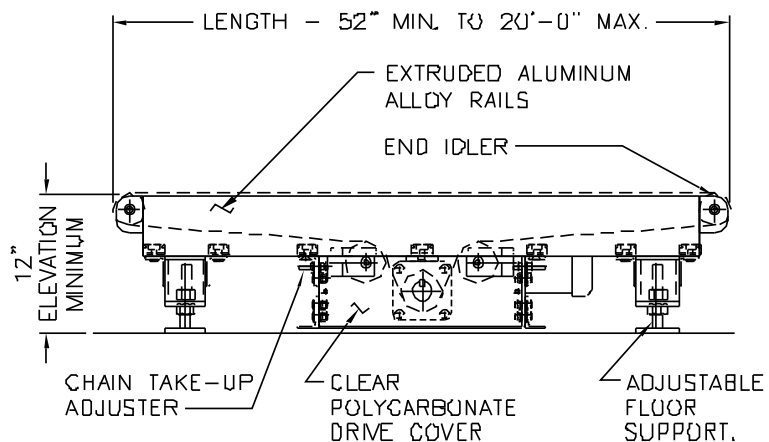
**SUPPORTS** - Welded structural steel with 6" adjustable feet.

**SAFETY** - Sprockets, take-ups and return chains are guarded.

**ELEVATION** - 12" minimum to 60" maximum top of chain.



PLAN VIEW



ELEVATION VIEW

**FINISH** - Steel parts epoxy painted Safety Blue.

## MSC OPTIONS

Controlled acceleration and deceleration.

Special chain centers.