

RITE-LINK SERIES

Features and Benefits

Right Sized Conveying

The **CAMCO Rite-Link Conveyor** is a thin-profile, preassembled, precision link system offering maintenance free accuracy and durability for industrial conveying applications.

Precision positioning requiring higher precision or speed than roller chain can provide

Material conveying (industrial or medical): for example, narrow cleat or bucket conveyor for constant speed applications. The conveyor can be mounted for either over/under or carousel operation

Features:

Assembly

- Fully designed, assembled and tested for your application
- Can be used in an over/under or carousel configuration

Size

- Slim, compact design with narrow links accommodates oversized tooling
- Easy to integrate
- Servo-friendly for flexible indexing with CAMCO RSD rotary servo drive

Accuracy

- Precision motion from the trusted industry leader
- More accurate and stable than roller chain

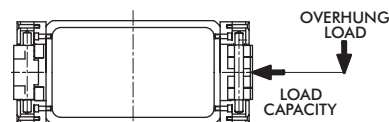
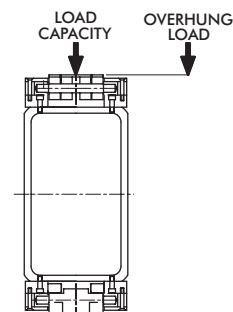
Operation

- High operation speeds
- No lubrication needed
- Energy efficient
- Cost Effective



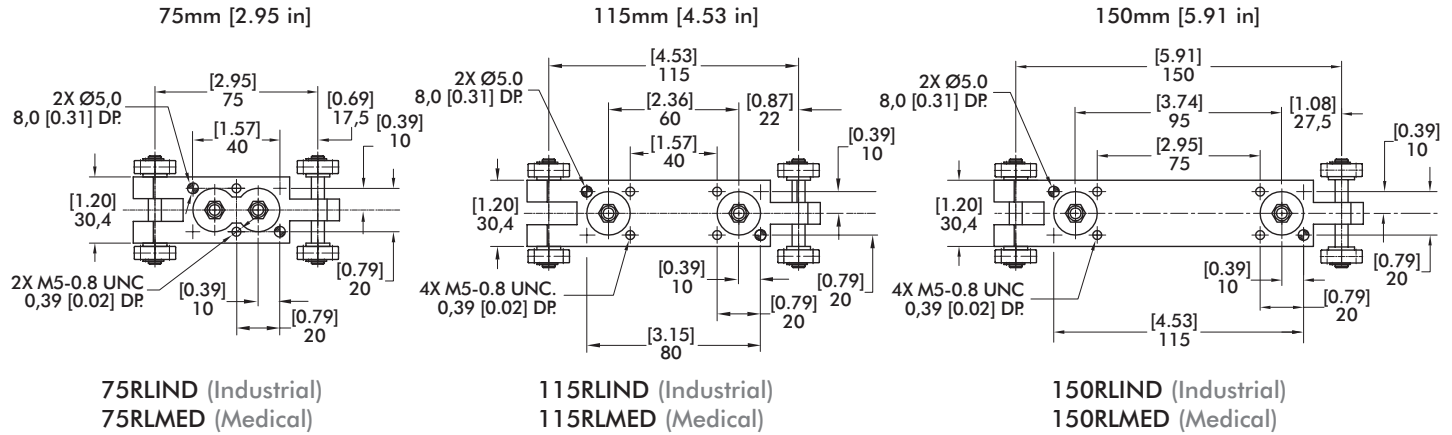
Maximum Load	Units	75RL...	115RL...	150RL...
Max Load per Link	kg [lbm]	4 [8.82]		
Max Overhung Load per Link	N-m [in-lb]	0,57 [5]		

* shipping/clearance dimensions

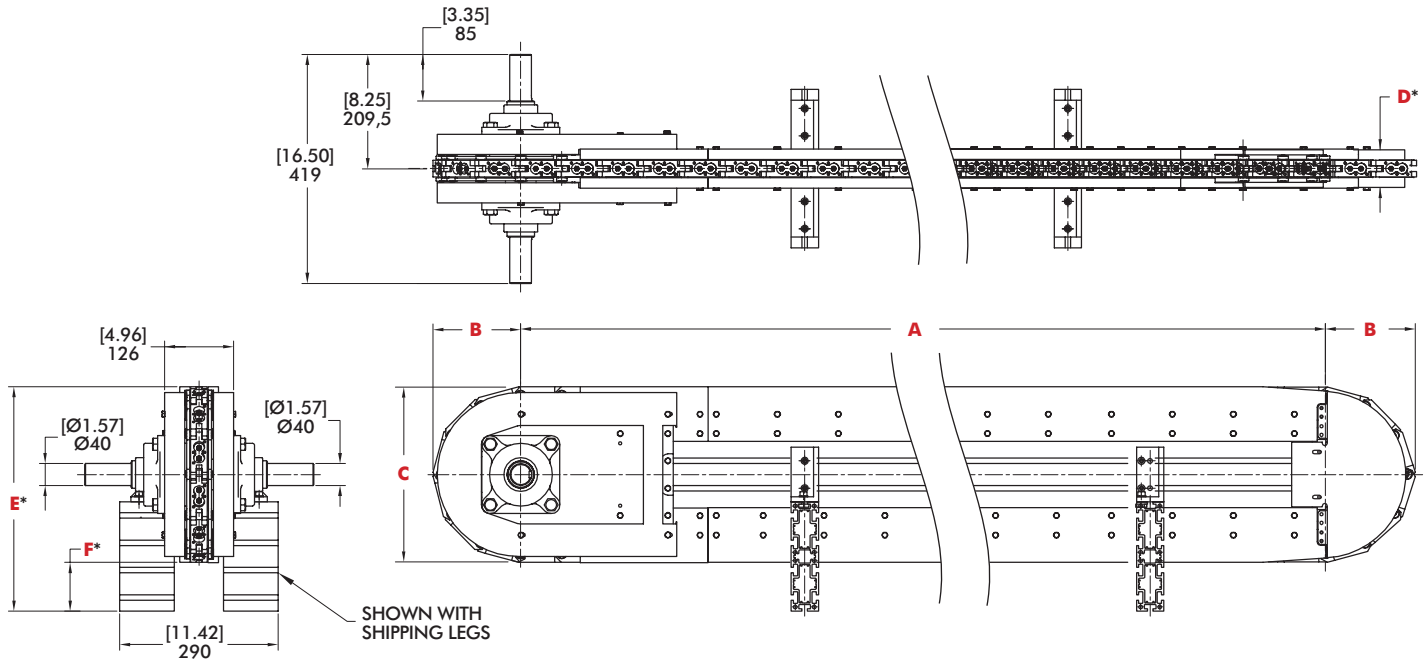


RITE-LINK SERIES

Link Dimensions



Standard Centers Dimensions



Technical Information

Dimensions	Units	75RL...	115RL...	150RL...
A Standard Center Distances				
Option 1	m [ft]	1,2 [3.94]	1,38 [4.53]	1,2 [3.94]
Option 2		2,1 [6.89]	2,30 [7.55]	2,1 [6.89]
Option 3		3 [9.84]	3,22 [10.56]	3 [9.84]
Option 4		3,9 [12.80]	4,14 [13.58]	3,9 [12.80]
Option 5		4,8 [15.75]	5,06 [16.60]	4,8 [15.75]
B	mm [in]	162,5 [6.40]	166 [6.54]	162,5 [6.40]
C	mm [in]	320 [12.60]	332 [13.07]	332 [13.07]
D*	mm [in]	78,1 [3.07]	78,1 [3.07]	78,1 [3.07]
E*	mm [in]	411 [16.18]	466,2 [18.35]	416 [16.38]
F*	mm [in]	89 [3.50]	133,8 [5.27]	84 [3.31]

* shipping/clearance dimensions

PRECISION INDEXING SOLUTIONS

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INDEXERS

Servo Positioners



GTB Series
Globoidal (Roller Gear)
Servo Positioner.....IN-SRV-1



RSD Series
Rotary Servo Drives.....IN-SRV-39

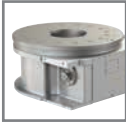
Mechanical Indexers



RDM Series
Rotary Index Drive IN-MCH-2



RD Series
Roller Dial Index Drive..... IN-MCH-18



E Series
Heavy-Duty Index Drive IN-MCH-30



RA Series
Right Angle Index Drive IN-MCH-42



RGD/RGS Series
Roller Gear Index Drive IN-MCH-52



P Series
Parallel Shaft/Flange Drive.... IN-MCH-72



RNG Series
Ring Drive Dial Indexer.....IN-MCH-84

OVERLOAD CLUTCHES



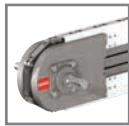
Overload Clutches
Output Overload..... IN-CLU-1

CUSTOM CAMS



Custom Cams
Cam Design Solutions IN-CAM-1

CONVEYORS



Rite-Link Series
Thin-Profile..... IN-CNV-1



Precision Link Series
Table-Top IN-CNV-4



Precision Link Series
Heavy-Duty IN-CNV-16

PARTS HANDLERS



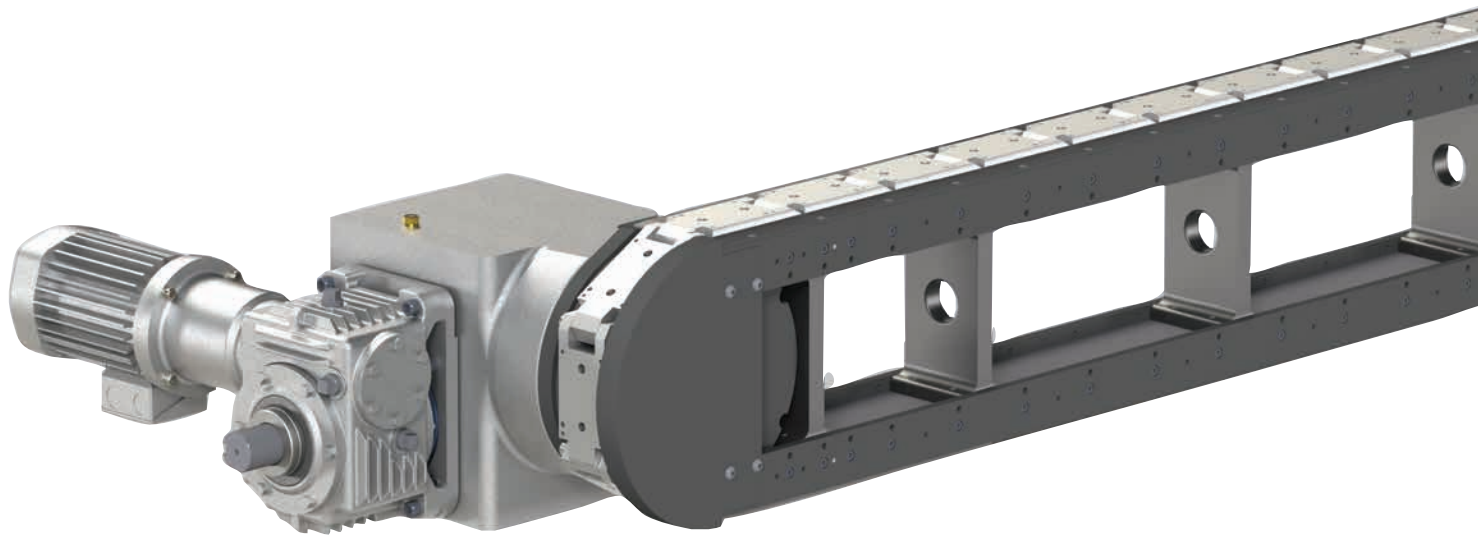
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

TABLE-TOP MODULAR CONVEYORS

Features | How To Order



Features:

CAMCO Modular Table Top Precision Link Conveyors are ideal for linear transfer applications with features including:

- Modular frame design in fixed increment lengths facilitates quick assembly and delivery.
- Table-Top or Base mounted
- Available in carousel or over-under style
- Precision positioning of parts for assembly or manufacturing processes
- High-speed station-to-station parts transfer
- Precision links with roller bearing cam followers for smooth transfer and long life.
- Link lengths of 3.0", 4.5", and 6.0" meet most application requirements
- Open frame design for pass-through of belting, linkages, electric and air supply components.
- Optional bases, line shafts & tooling plates
- Complete with motorized index drive system including overload protection.

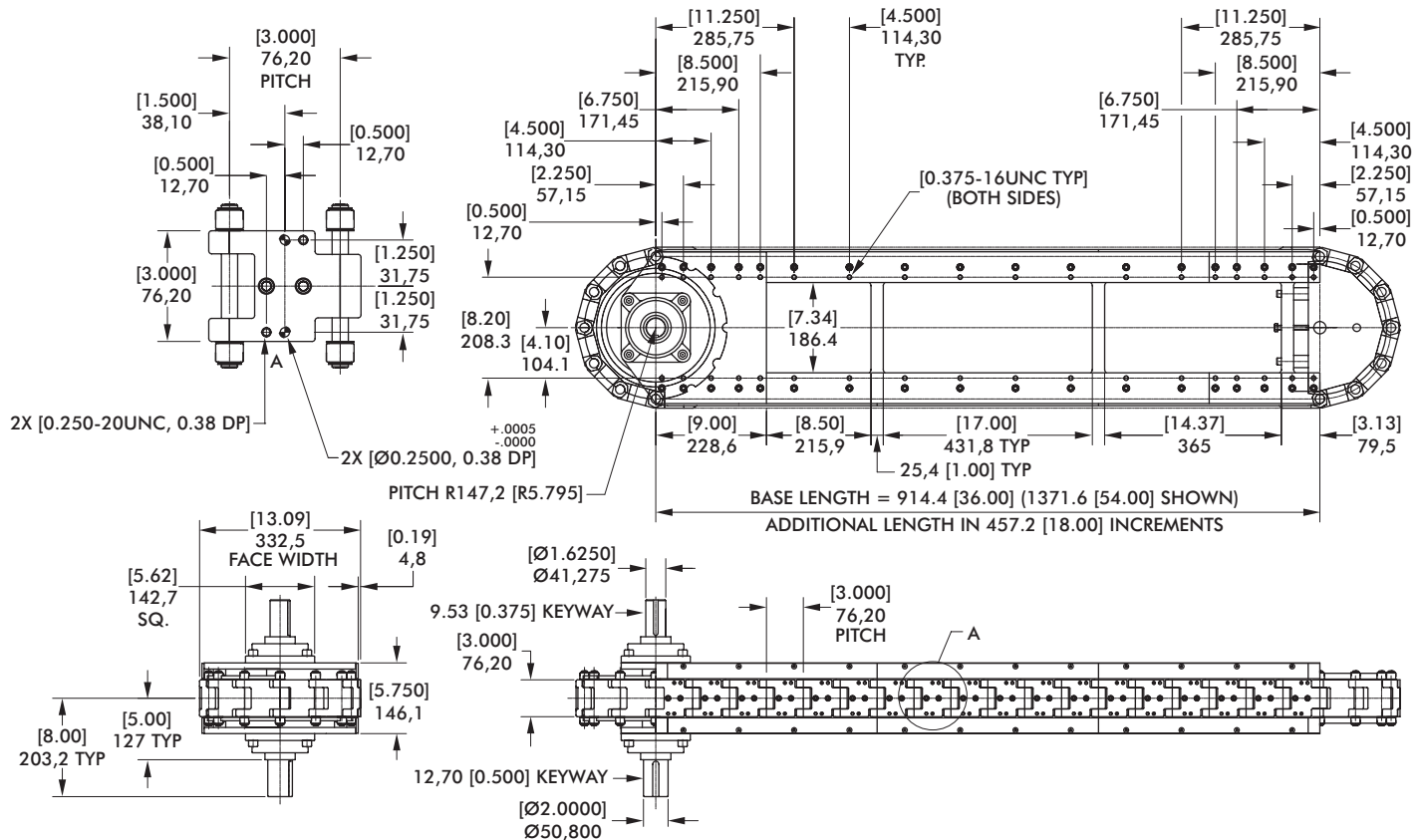
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3.0 Inch	3
4.5 Inch	5
6.0 Inch	7
Conveyor Options	9

3.0 INCH SERIES

Table-Top Modular Conveyors | Dimensions and Configurations

Modular Conveyor (module only)



Modular Conveyor (drive package)

Standard Drive Package

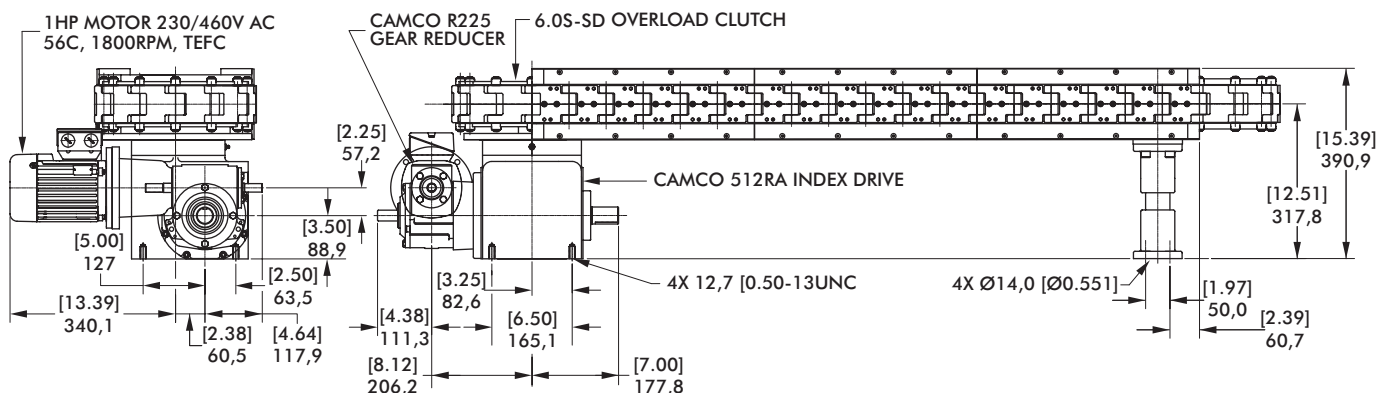
- 512RA Index Drive
- R225 Gear Reducer
- 6.0FC-SD Overload Clutch (Shaft Drive)
- 6.0S-SD Overload Clutch (Direct Drive)
- 1 HP high-cycling, performance AC Motor
- IM-pAC Motor Control

Heavy-Duty Drive Package

- 662RA Index Drive
- 7300C Gear Reducer
- 11FC-SD Overload Clutch (Shaft Drive)
- 6.0-SD Overload Clutch (Direct Drive)
- 1 HP high-cycling, performance AC Motor
- IM-pAC Motor Control

Index Distance mm [in]	Indexer Stops
76,2 [3.00]	12
152,4 [6.00]	6
228,6 [9.00]	4
304,8 [12.00]	3

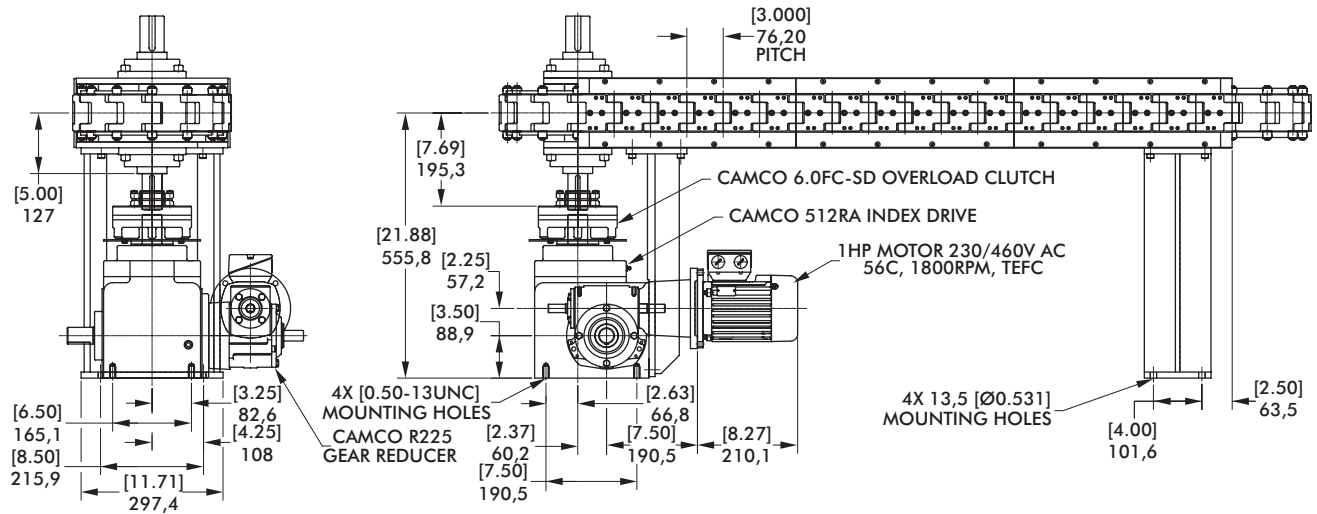
Direct Drive Carousel



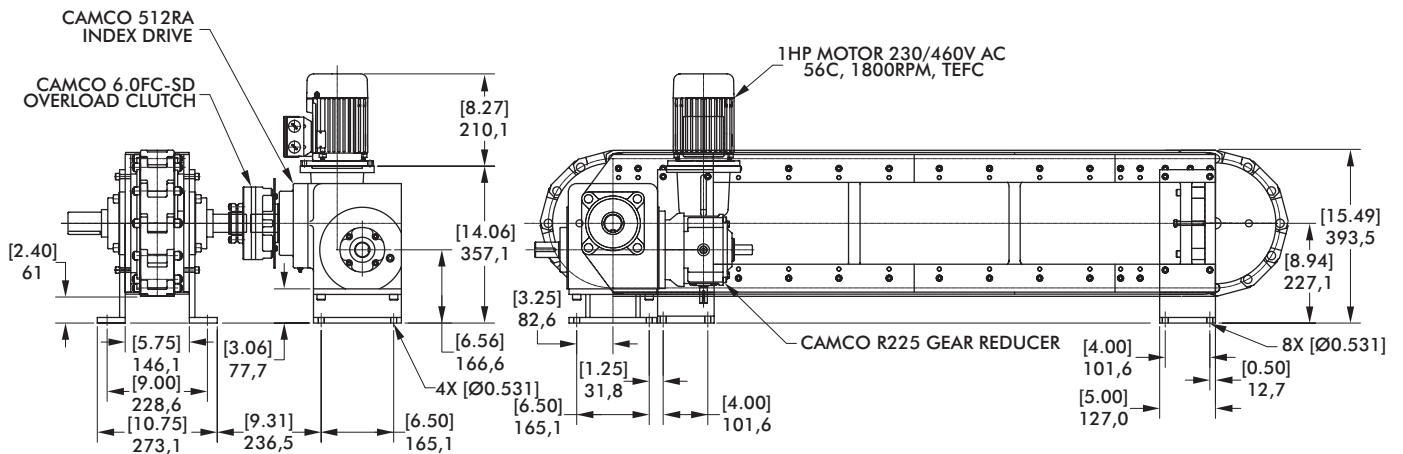
3.0 INCH SERIES

Table-Top Modular Conveyors | Configurations

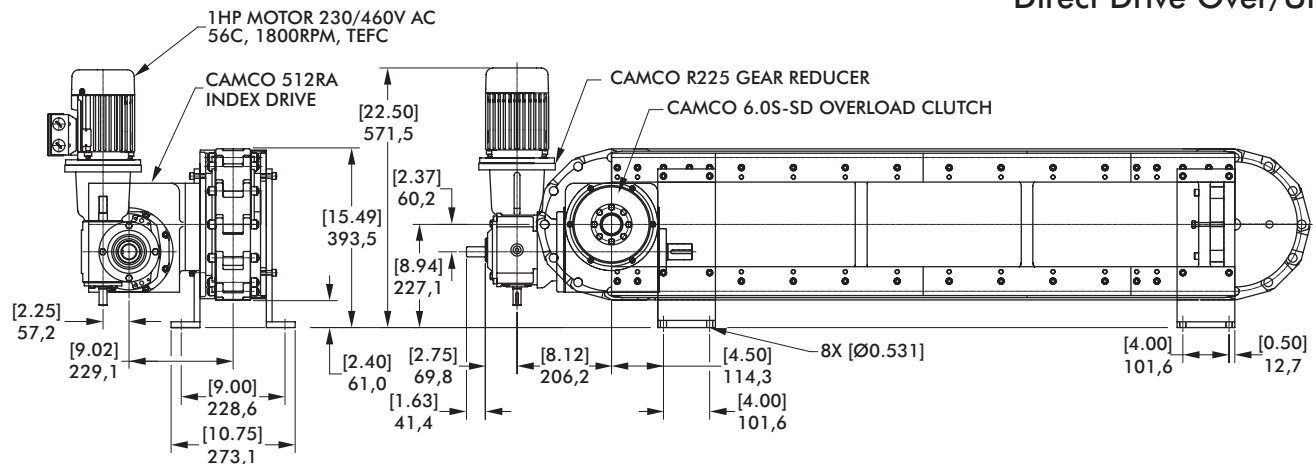
Shaft Drive Carousel



Shaft Drive Over/Under



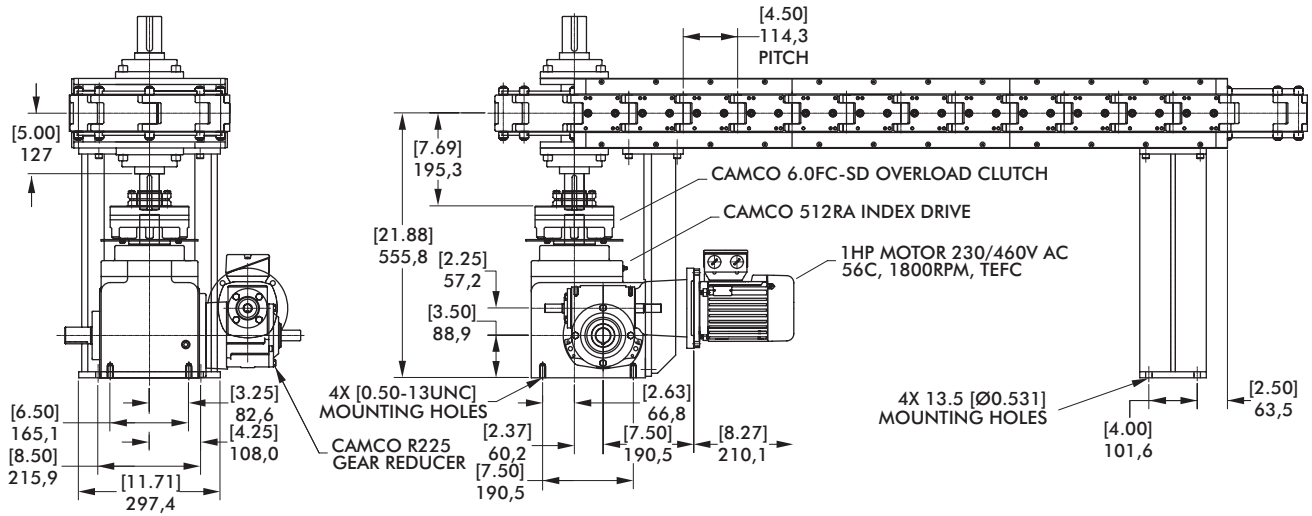
Direct Drive Over/Under



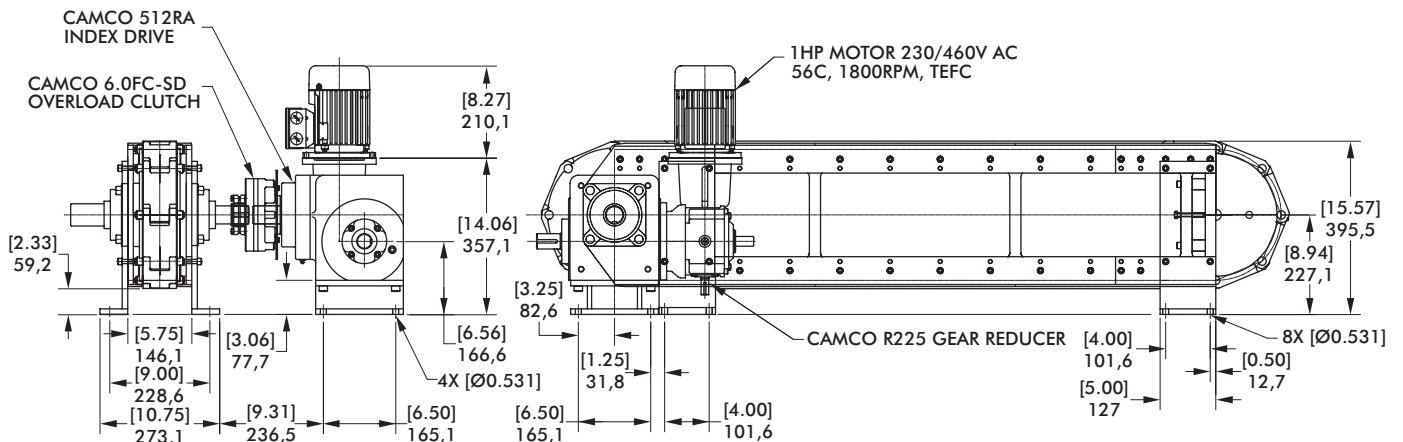
4.5 INCH SERIES

Table-Top Modular Conveyors | Configurations

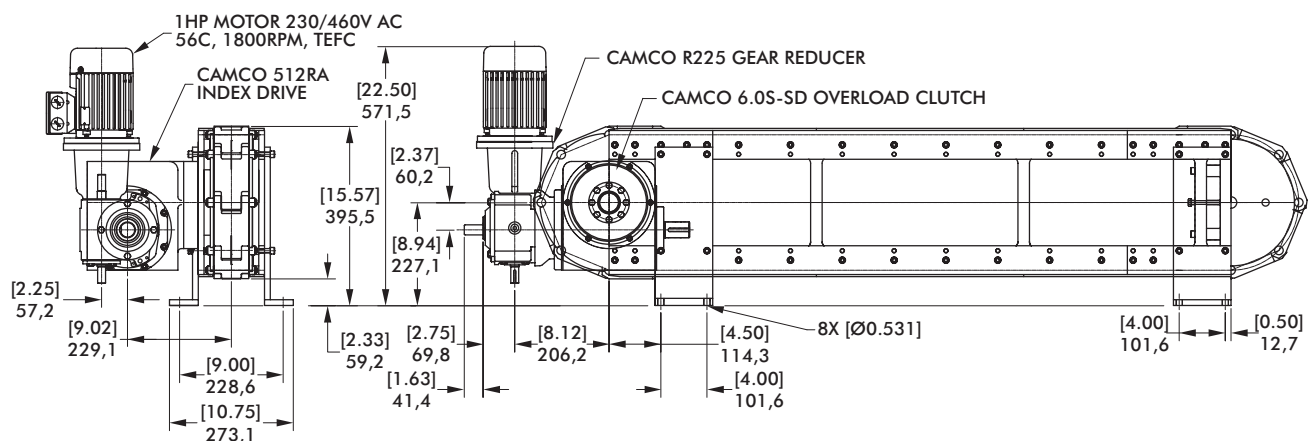
Shaft Drive Carousel



Shaft Drive Over/Under



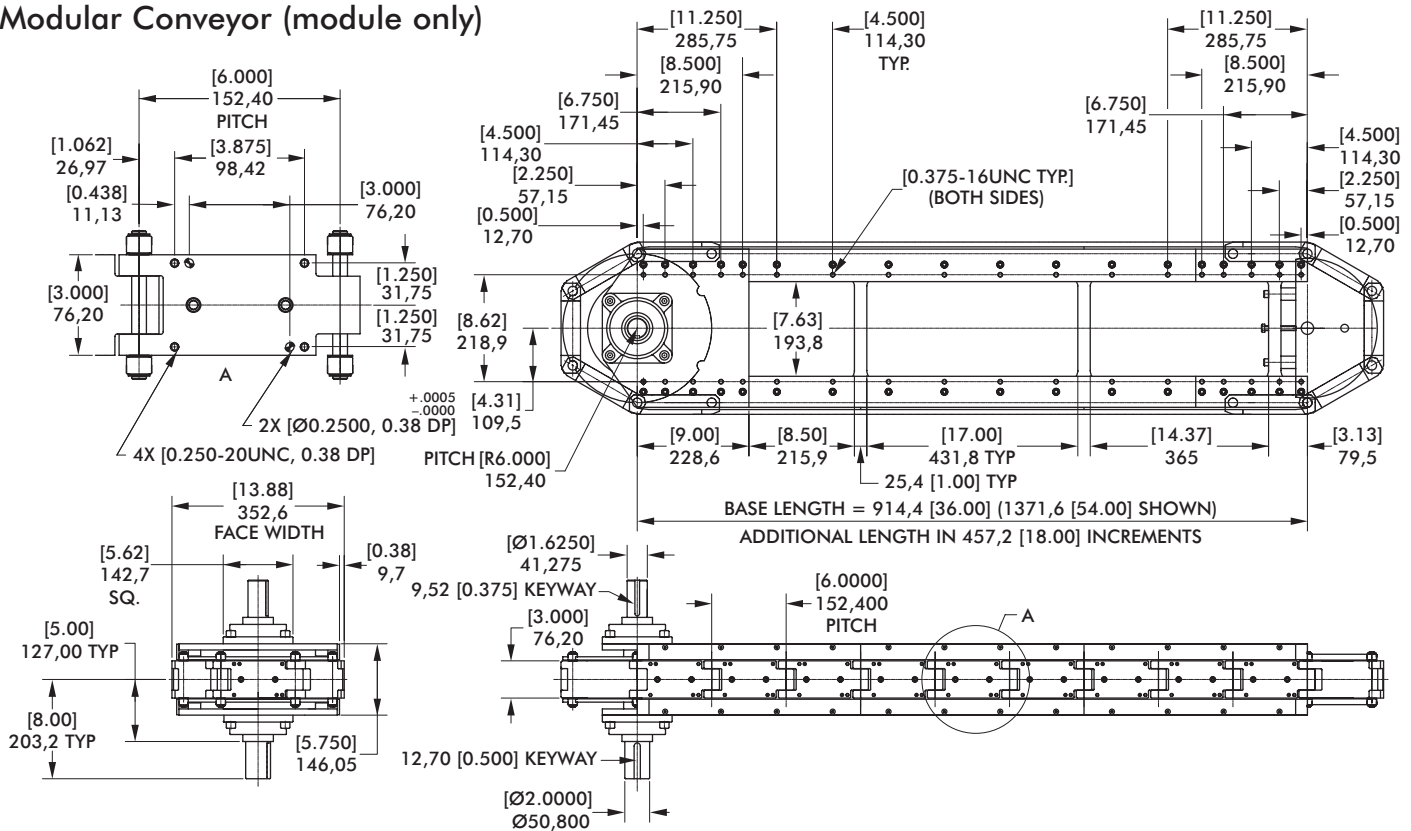
Direct Drive Over/Under



6.0 INCH SERIES

Table-Top Modular Conveyors | Dimensions and Configurations

Modular Conveyor (module only)



Modular Conveyor (drive package)

Standard Drive Package

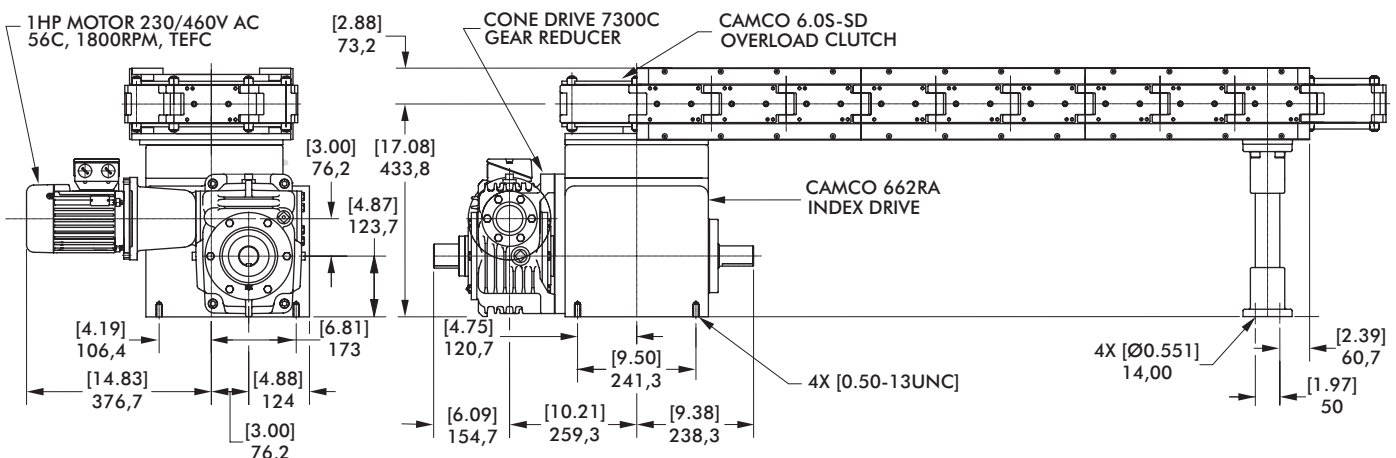
- 662RA Index Drive
- 7300C Gear Reducer
- 11FC-SD Overload Clutch (Shaft Drive)
- 6.0S-SD Overload Clutch (Direct Drive)
- 1 HP high-cycling, performance AC Motor
- IM-pAC Motor Control

Heavy-Duty Drive Package

- 800RD Index Drive
- 7300C Gear Reducer
- 25FC-SD Overload Clutch
- 1 HP high-cycling, performance AC Motor
- IM-pAC Motor Control

Index Distance mm [in]	Indexer Stops
152,4 [6.00]	6
304,8 [12.00]	3
457,2 [18.00]	2

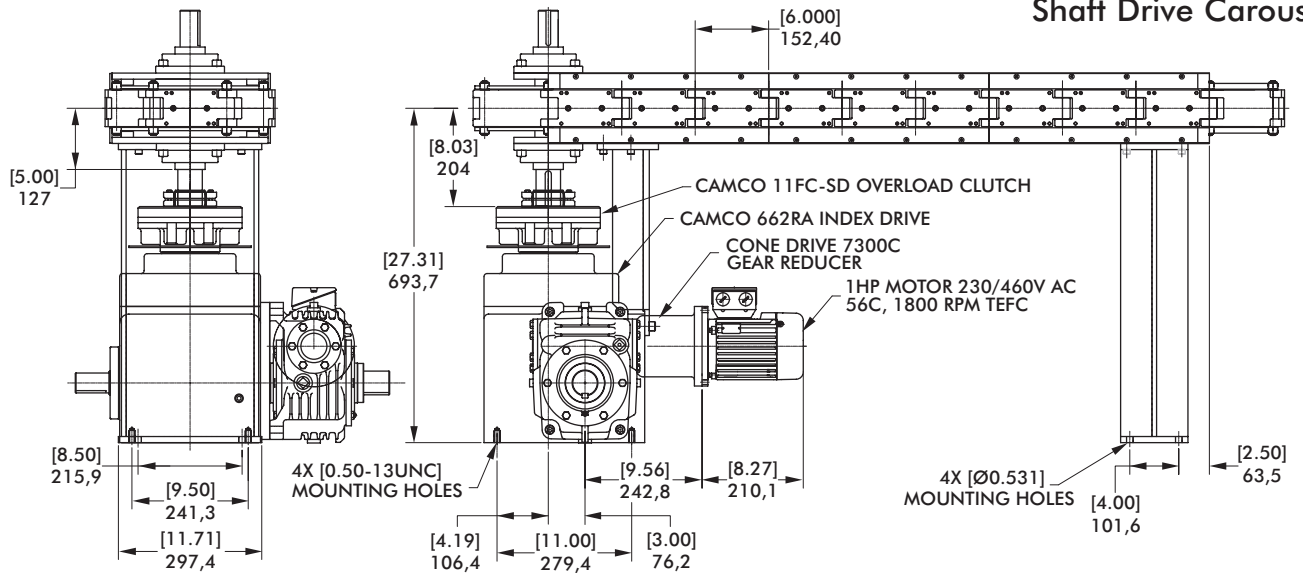
Direct Drive Carousel



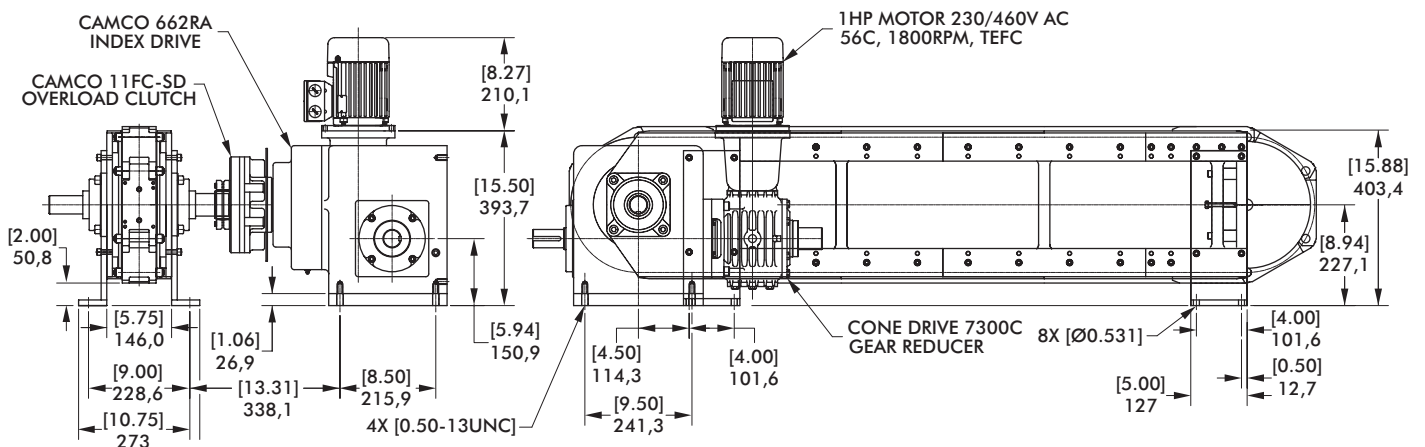
6.0 INCH SERIES

Table-Top Modular Conveyors | Configurations

Shaft Drive Carousel



Shaft Drive Over/Under



Direct Drive Over/Under

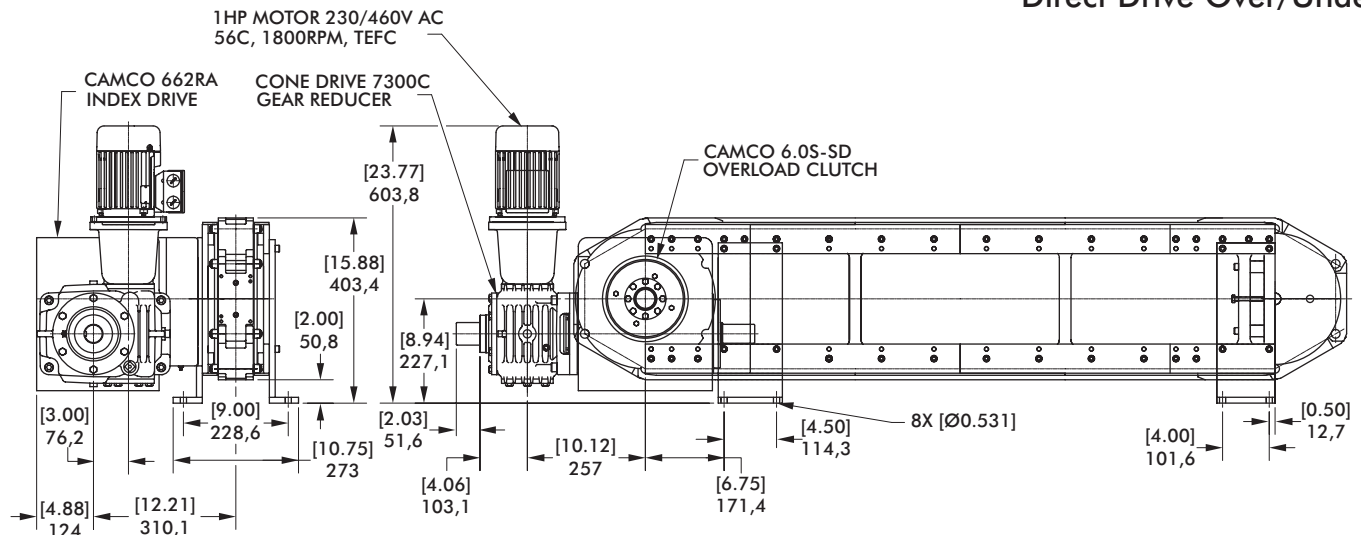
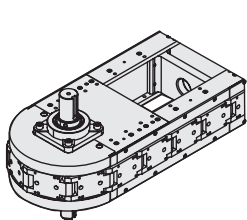
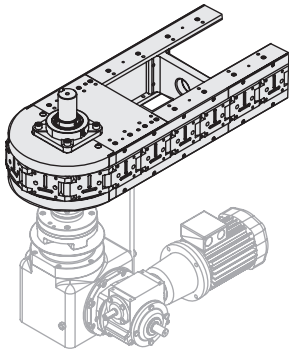


TABLE-TOP MODULAR CONVEYORS

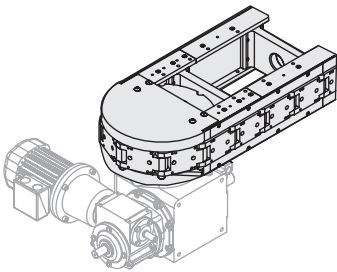
Conveyor Types



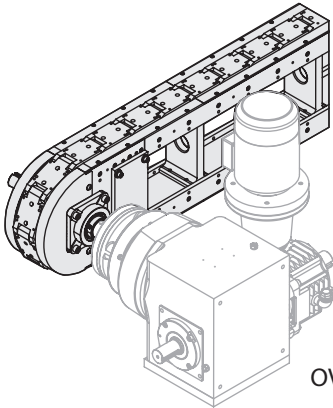
MODULE ONLY



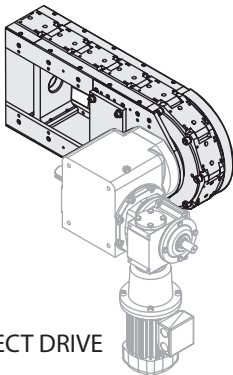
CAROUSEL-SHAFT DRIVEN



CAROUSEL-DIRECT DRIVEN

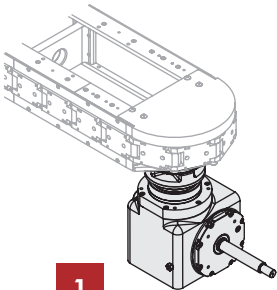


OVER-UNDER SHAFT DRIVEN

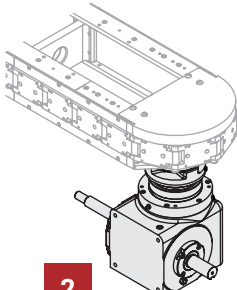


OVER-UNDER DIRECT DRIVE

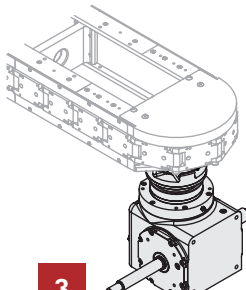
Carousel Indexer Position



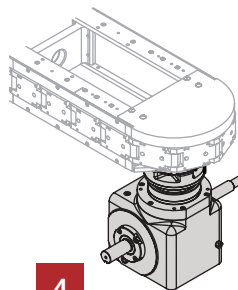
1



2



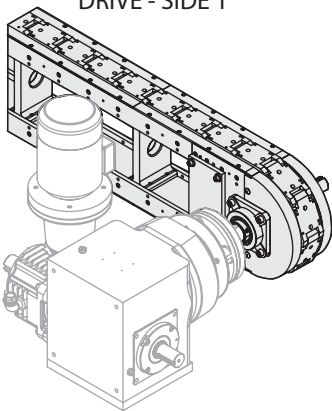
3



4

Over/Under Side

DRIVE - SIDE 1



DRIVE - SIDE 2

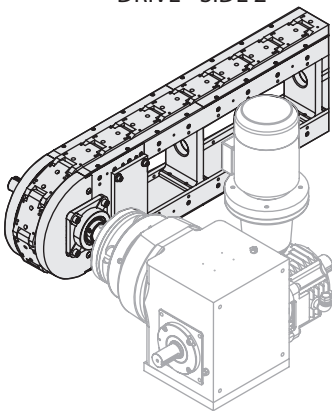
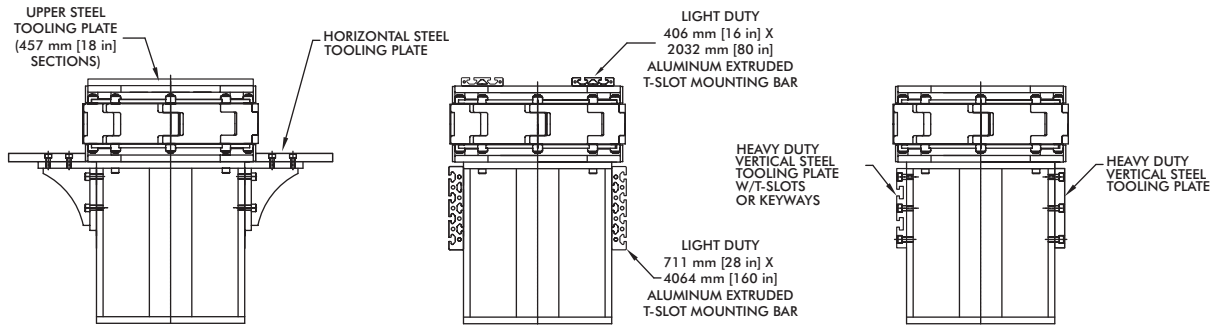


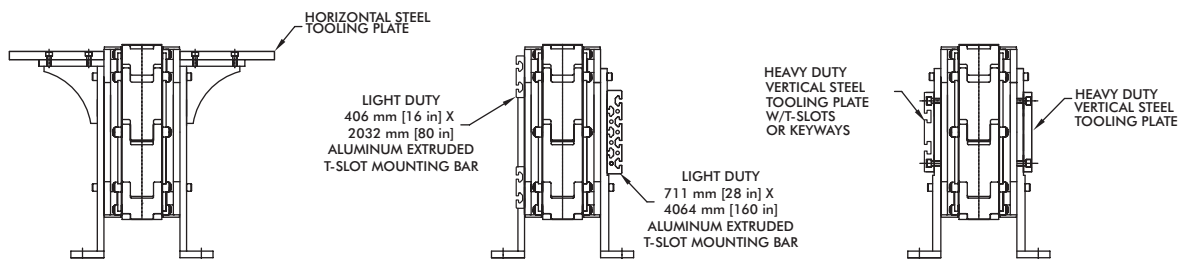
TABLE-TOP MODULAR CONVEYORS

Options

Tooling Plate Options Carousel



Tooling Plate Options Over/Under



Support Leg Options

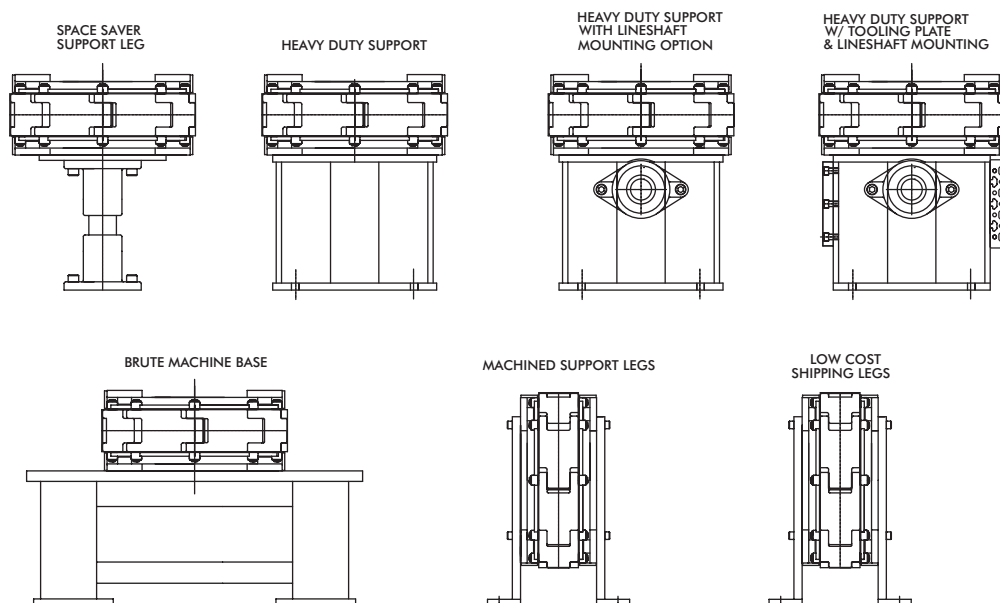
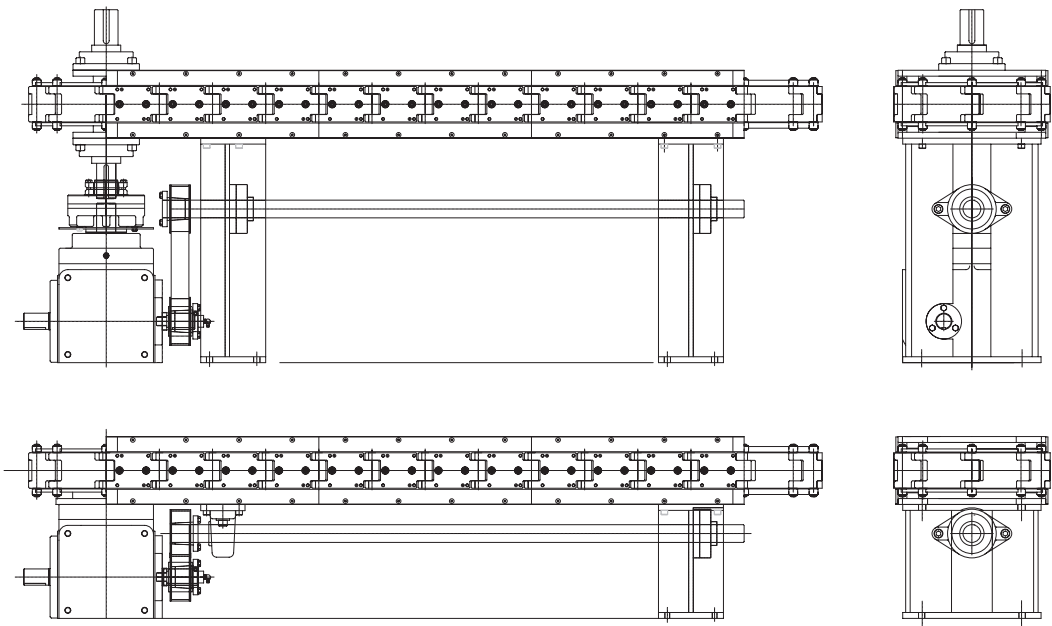


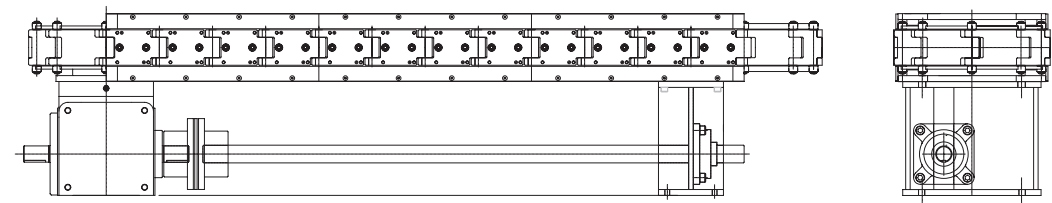
TABLE-TOP MODULAR CONVEYORS

Options

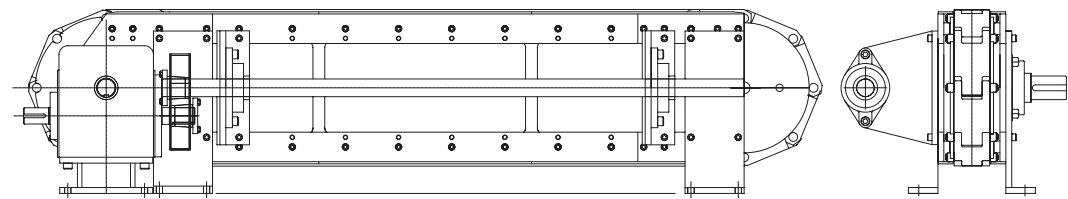
Lower Lineshaft Options Belt Driven



Lower Lineshaft Options Direct Driven



Drive Side Lineshaft Options Belt Driven



Drive Side Lineshaft Options Direct Driven

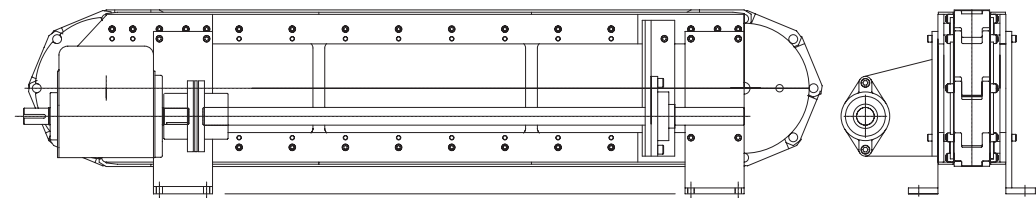
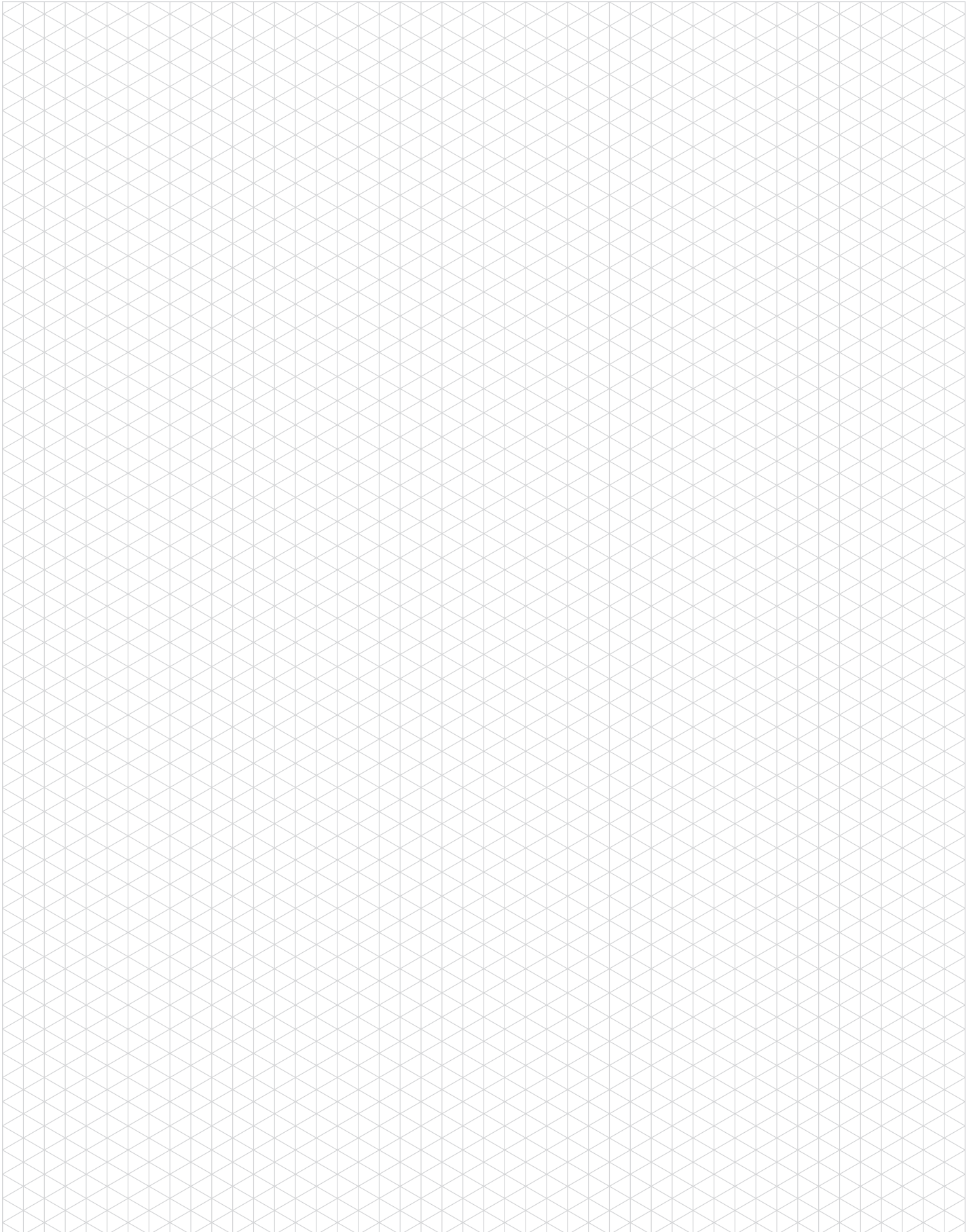


TABLE-TOP MODULAR CONVEYORS



PRECISION INDEXING SOLUTIONS

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INDEXERS

Servo Positioners



GTB Series
Globoidal (Roller Gear)
Servo Positioner.....IN-SRV-1



RSD Series
Rotary Servo Drives.....IN-SRV-39

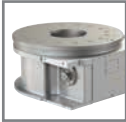
Mechanical Indexers



RDM Series
Rotary Index Drive IN-MCH-2



RD Series
Roller Dial Index Drive..... IN-MCH-18



E Series
Heavy-Duty Index Drive IN-MCH-30



RA Series
Right Angle Index Drive IN-MCH-42



RGD/RGS Series
Roller Gear Index Drive IN-MCH-52



P Series
Parallel Shaft/Flange Drive.... IN-MCH-72



RNG Series
Ring Drive Dial Indexer.....IN-MCH-84

OVERLOAD CLUTCHES



Overload Clutches
Output Overload..... IN-CLU-1

CUSTOM CAMS



Custom Cams
Cam Design Solutions IN-CAM-1

CONVEYORS



Rite-Link Series
Thin-Profile..... IN-CNV-1



Precision Link Series
Table-Top IN-CNV-4



Precision Link Series
Heavy-Duty IN-CNV-16

PARTS HANDLERS



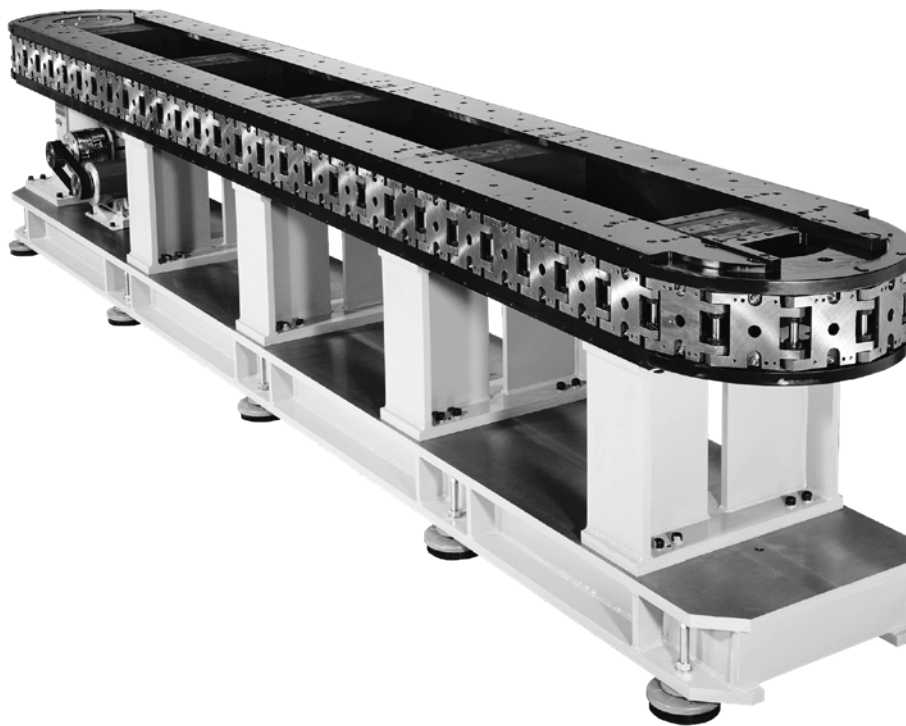
LPP Series
Linear Part Handlers IN-PRT-2



RPP Series
Rotary Part Handlers IN-PRT-8

HEAVY DUTY MODULAR CONVEYORS

Features | Table of Contents



Features:

CAMCO Heavy Duty Precision Link Conveyors combine excellent accuracy with high load capacity to provide the versatility needed to meet virtually any automated assembly or manufacturing challenge.

Standard link lengths of 6.0", 9.0" and 12"

Over/Under and Carousel configurations

Precision links with roller bearing cam followers for smooth transfer and long life

Provided with heavy-duty legs and a precision machined base designed to hold large loads and maintain system accuracy

Available with adjustable soft machine mounts to accommodate inconsistent on-site flooring

Customize length and height and add optional line shafts or tooling plates to fit your application

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How to Order	3
Conveyor Options	4
6.0 Inch Heavy Duty	5
9.0 Inch Heavy Duty	7
12.0 Inch Heavy Duty	9

HEAVY DUTY MODULAR CONVEYORS

How To Order

Required Information

- **Link Size:** 1.5, 2.0, 3.0, 4.5, 6.0, 9.0 or 12.0 inch
- **Type:** Table Top or Heavy Duty
- **Style:** Over/Under or Carousel
- **Length:** Standard per catalog or Custom, expressed as center distance, in inches
- **Height:** Standard per catalog or Custom, in inches

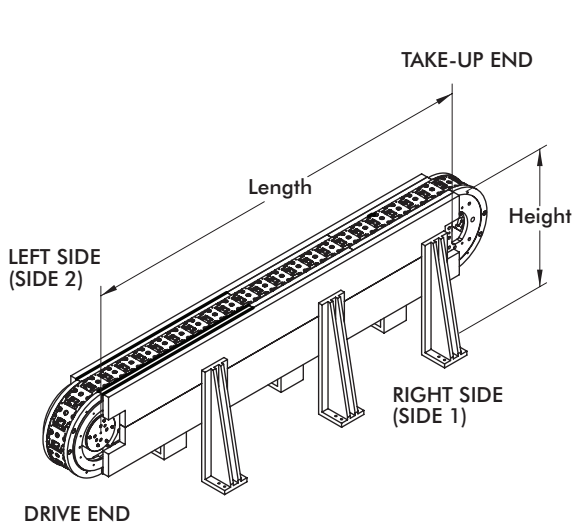
Required Information when ordering Drive Package

- **Type:** Standard, Alternate, Heavy-Duty or Special
- **Drive Side:** 1 or 2 (for Over/Under)
- **Index Distance:** In inches
- **Indexer Model:** Specific model number or special

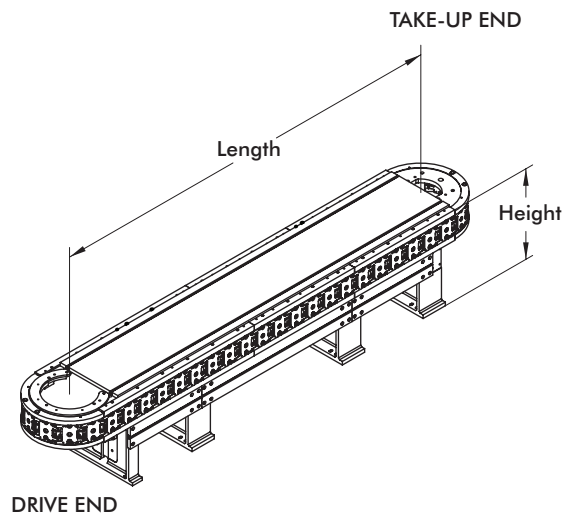
Technical Assistance

All Precision Link Conveyor applications are verified by a CAMCO sales agent using the CAMCO Sizing Program.

Your CAMCO agent is available to make all sizing calculations for you.



OVER/UNDER

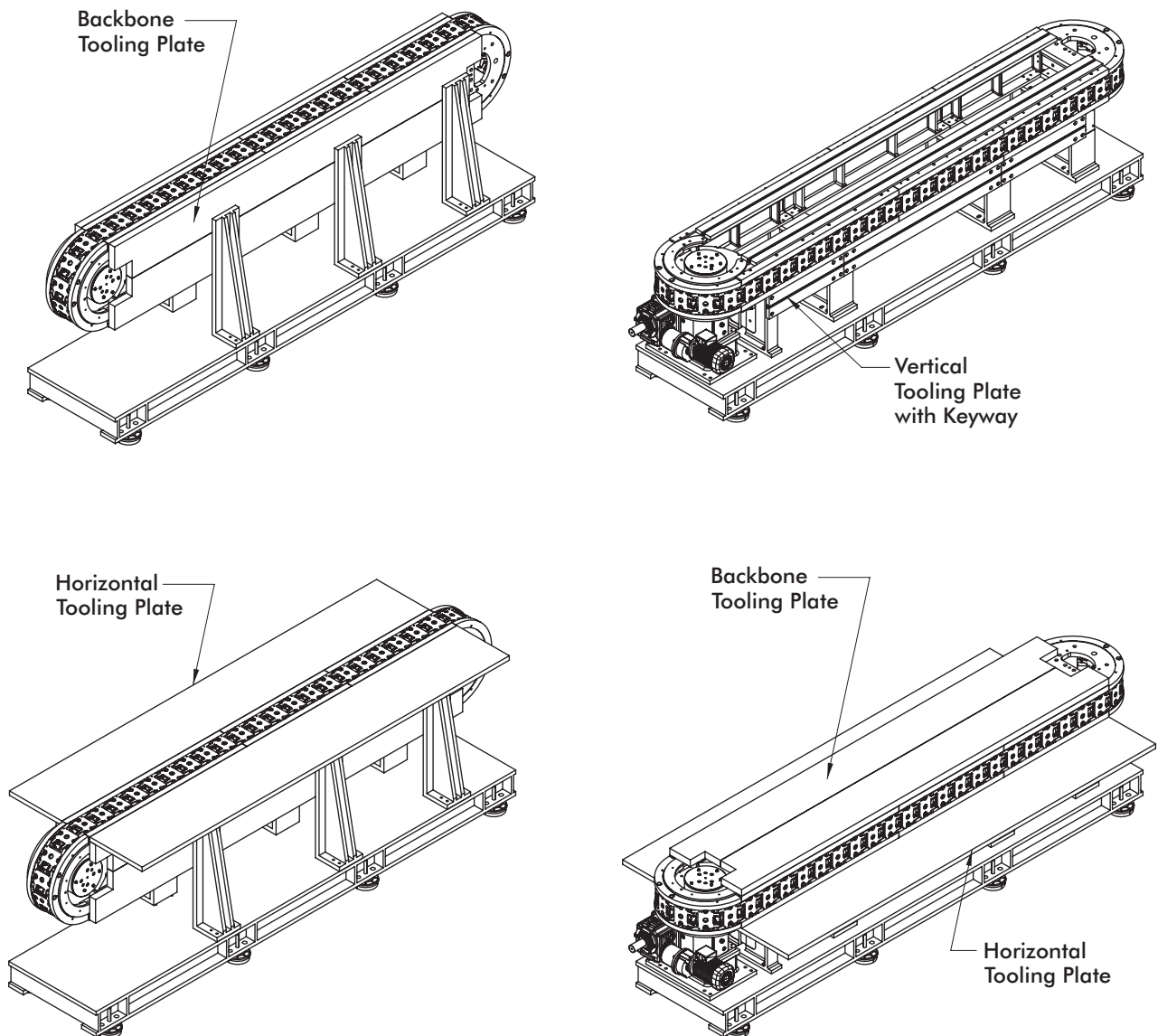


CAROUSEL

HEAVY DUTY MODULAR CONVEYORS

Options

CAMCO offers a wide variety of standard and custom options on all precision link conveyors. Tooling plates and conveyor mainframes can be ordered with custom hole configurations or burnouts. Other standard options include timing chains, timing belts and extended lineshafts. Standard drive package options include CAMCO indexers with AC motors and clutch-brakes, DC motors or servo motors. CAMCO's special Indexer output overload clutches are highly recommended to protect the indexer, link assembly and tooling.



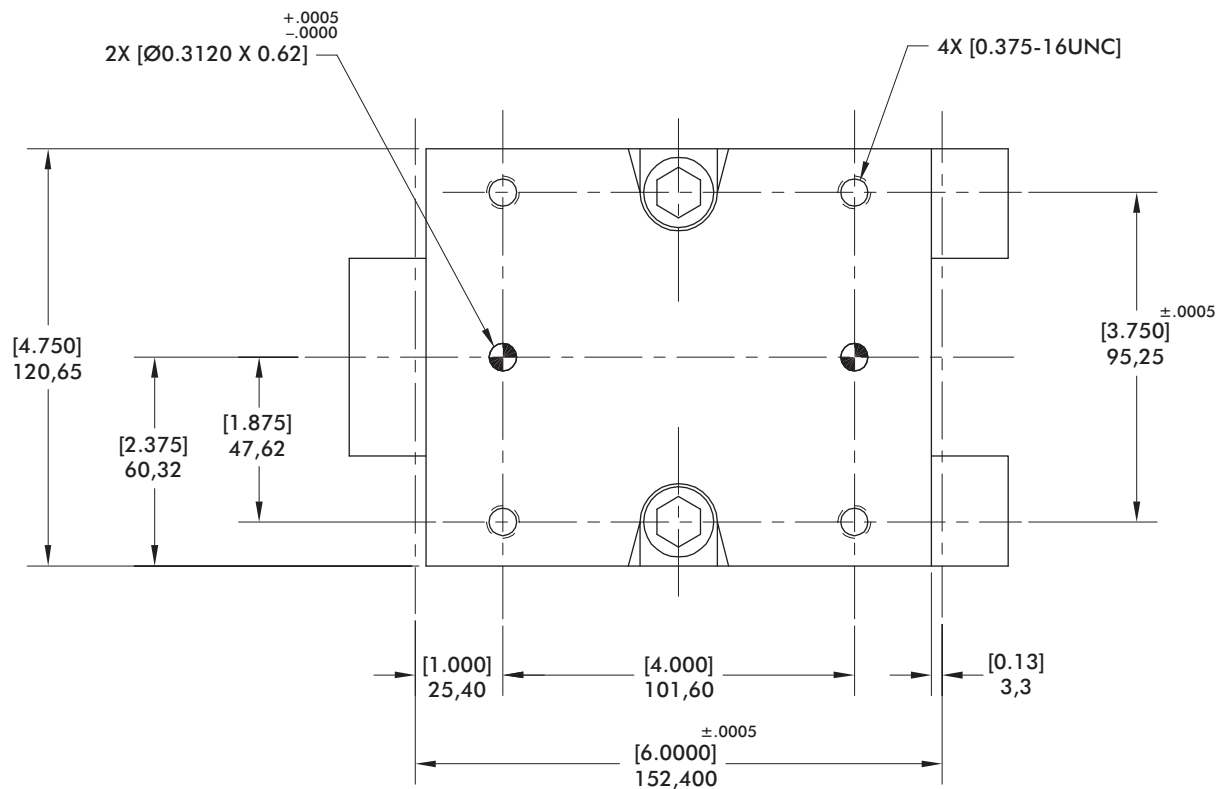
Using Cambot Parts Handlers with Precision Link Conveyors

Cambot linear pick-and-place parts handlers have custom cam motions incorporated into each unit, providing complex synchronize timings for your application. They can be mounted onto the backbone tooling plates of the conveyor. Cambot linear pick-and-place parts handlers can be belt driven off a common line shaft for perfect synchronization. See the Rotary Parts Handler section (page IN-RPP-2) for other possible configurations, such as a rotary pick-and-place device loading parts from a continuous line conveyor to a CAMCO index drive conveyor.

6.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Dimension

Link



Modular Conveyor (drive package)

Standard Drive Package

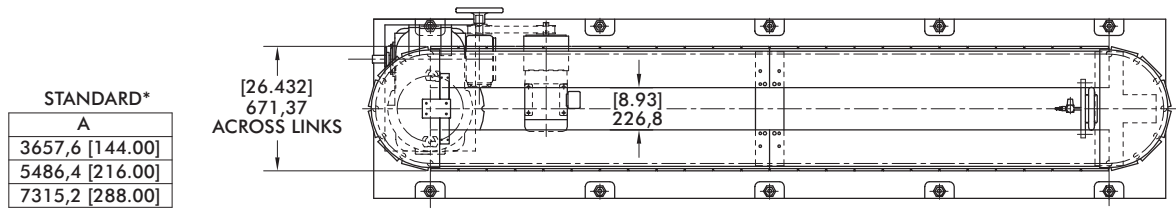
- 1301RD Intermittor
- 73500C Reducer
- 5 HP AC Motor
- MDB-1125 Air Clutch-Brake
- Cycle Cam & Limit Switch

Index Distance mm [in]	Indexer Stops
152,4 [6.00]	12
304,8 [12.00]	6
457,2 [18.00]	4
609,6 [24.00]	3

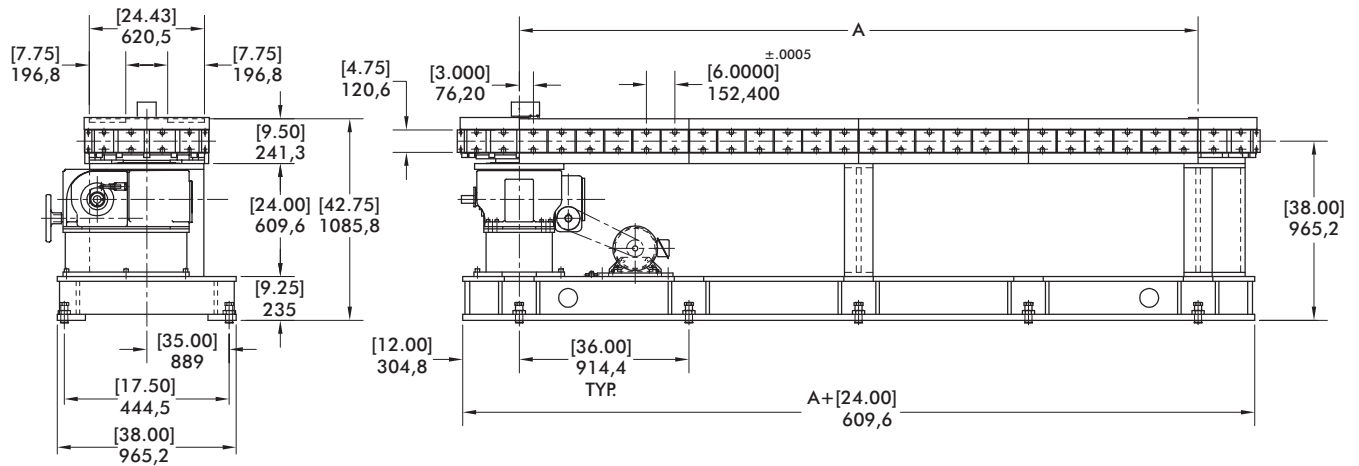
6.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Configurations

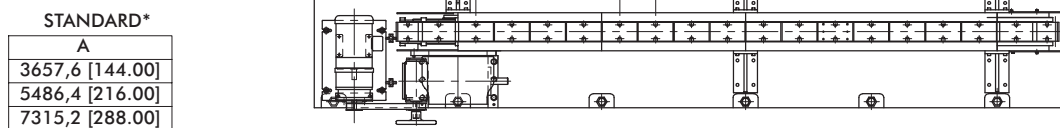
Carousel



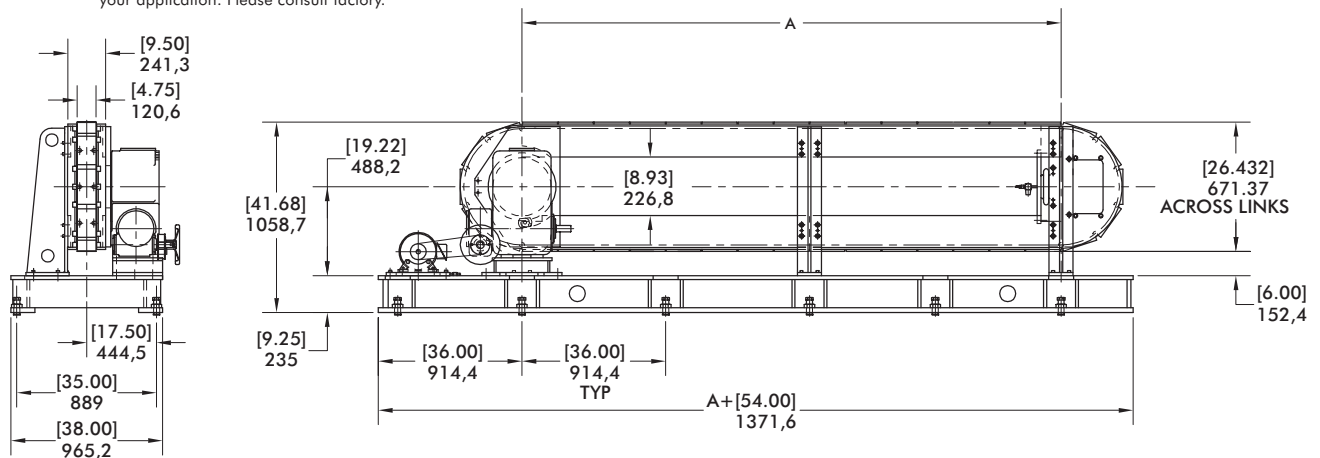
*Conveyor lengths can be customized for your application. Please consult factory.



Over/Under



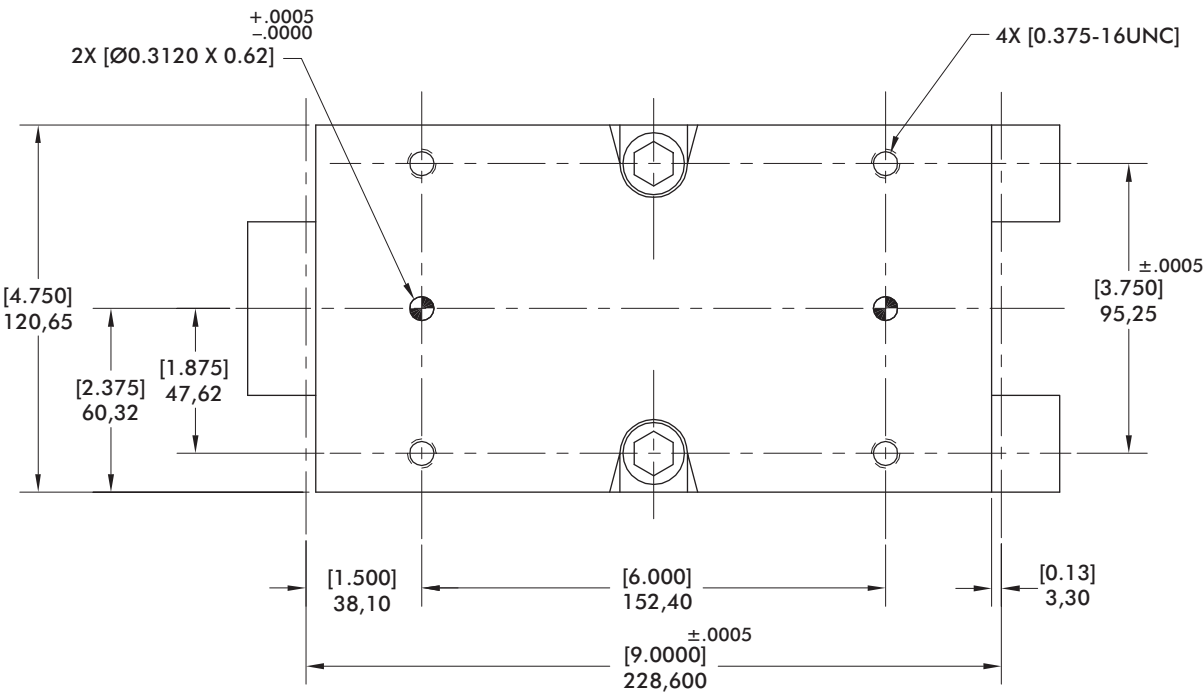
*Conveyor lengths can be customized for your application. Please consult factory.



9.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Dimensions

Link



Modular Conveyor (drive package)

Standard Drive Package

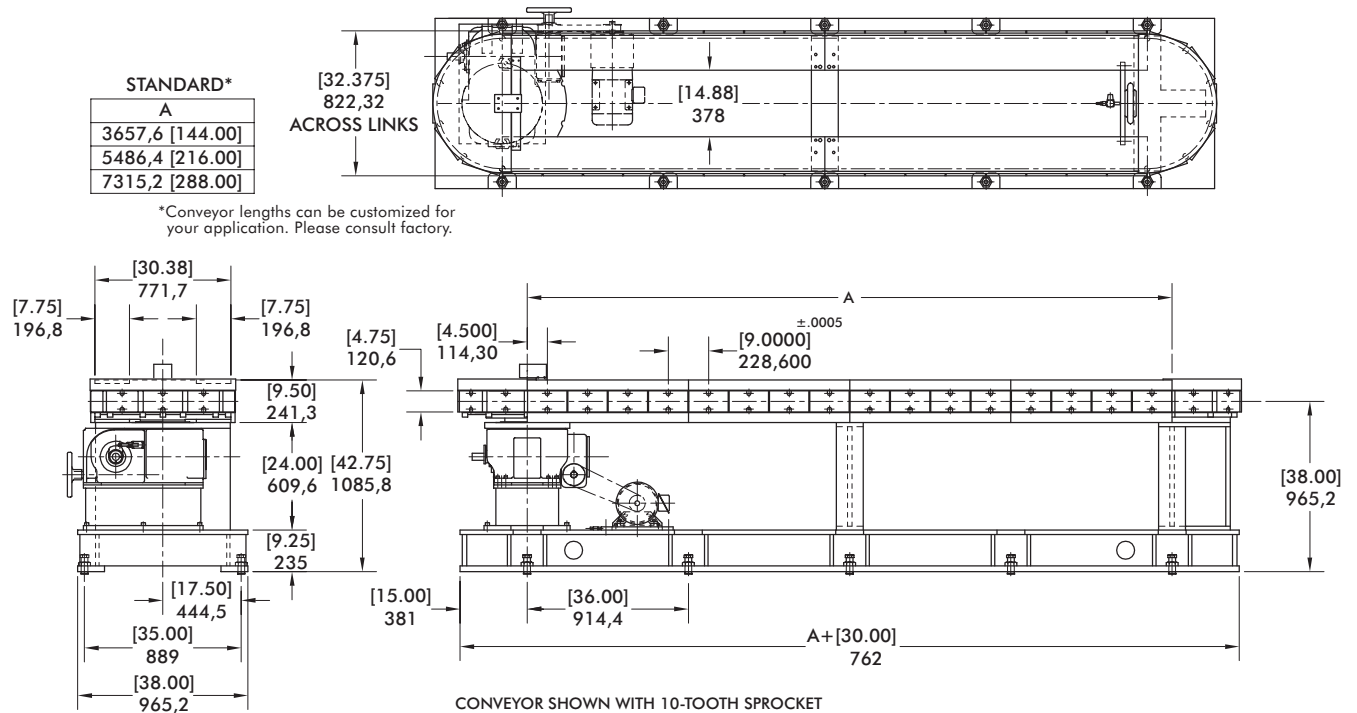
- 1301RD Intermittor
- 73500C Reducer
- 5 HP AC Motor
- MDB-1125 Air Clutch-Brake
- Cycle Cam & Limit Switch

Index Distance mm [in]	Indexer Stops
228,6 [9.00]	12
457,2 [18.00]	6
914,4 [27.00]	4
609,6 [36.00]	3

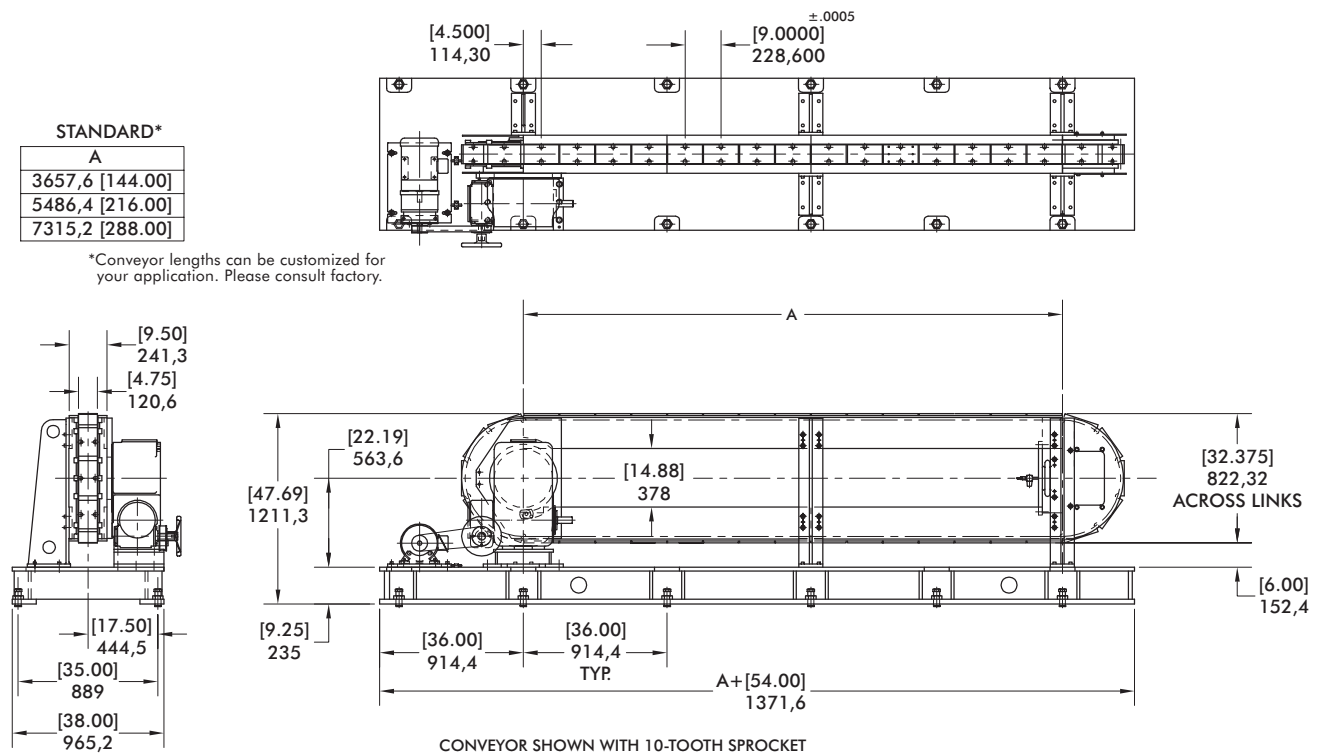
9.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Configurations

Carousel



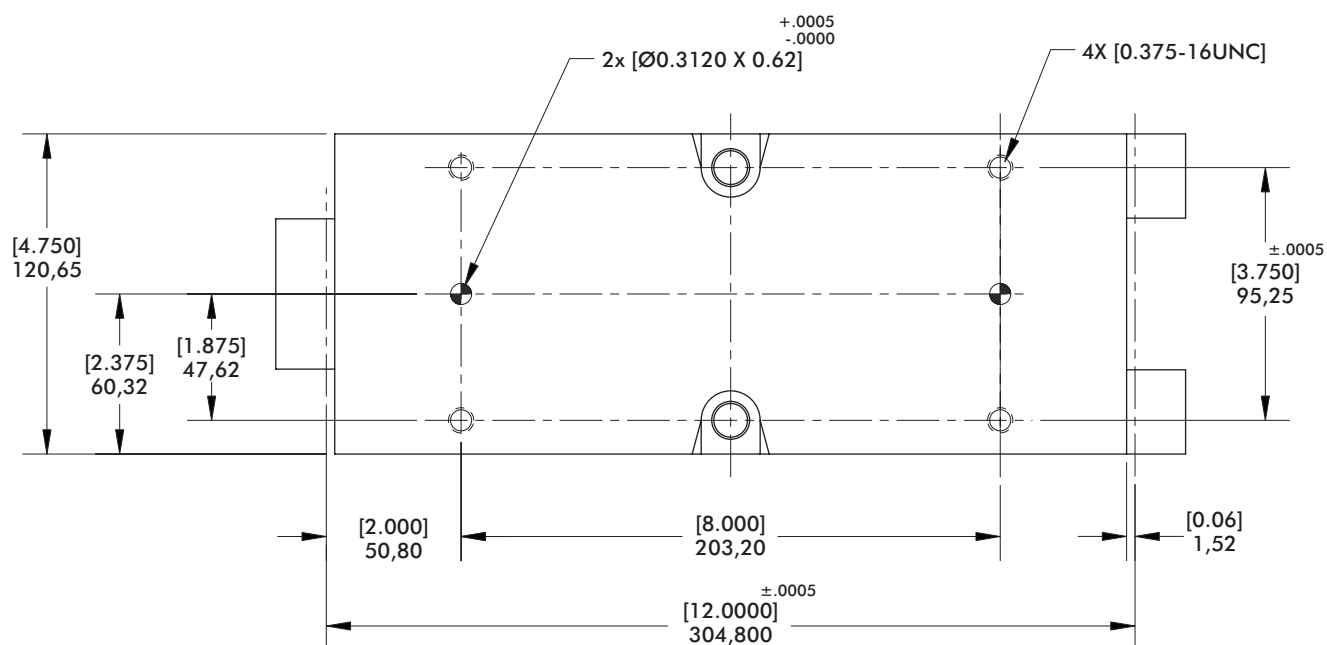
Over/Under



12.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Dimensions

Link



Modular Conveyor (drive package)

Standard Drive Package

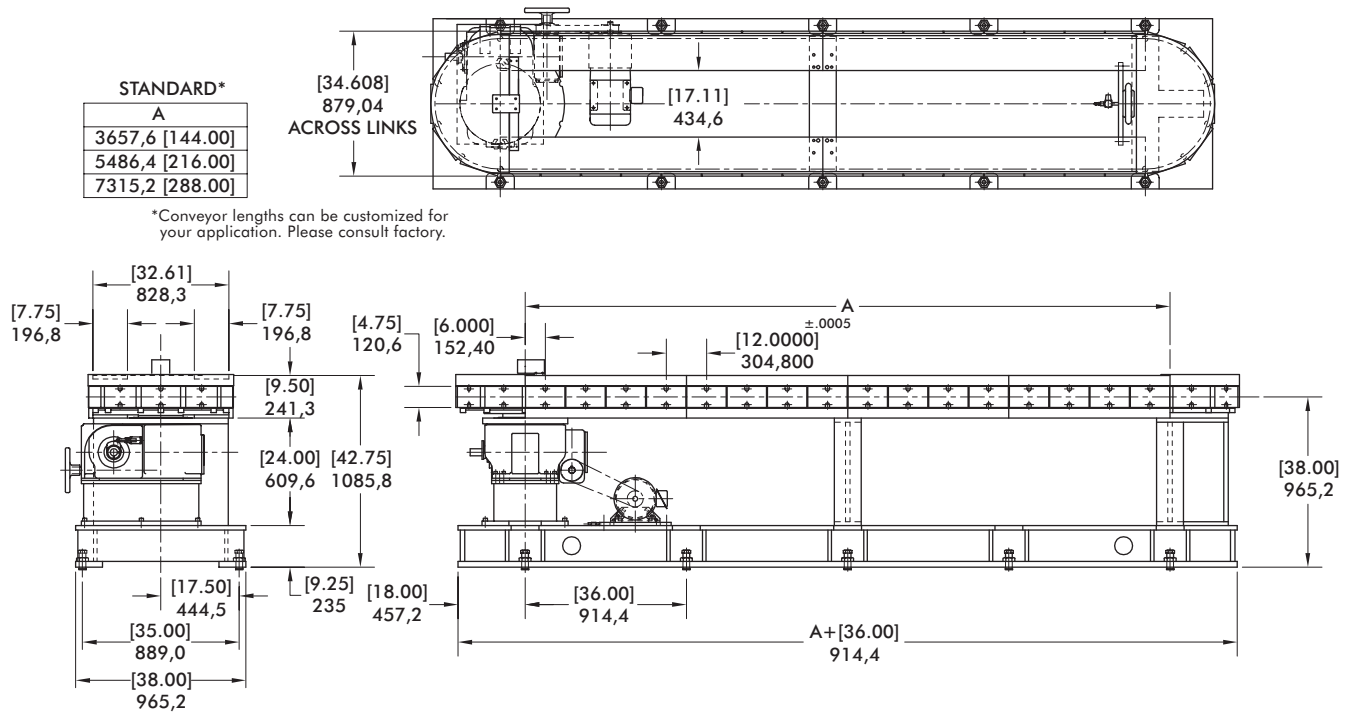
- 1301RD Intermittor
- 7500C Reducer
- 5 HP AC Motor
- MDB-1125 Air Clutch-Brake
- Cycle Cam & Limit Switch

Index Distance mm [in]	Indexer Stops	Sprocket
304,8 [12]	8, 10, 12	8T, 10T, 12T
609,6 [24]	4, 5, 6	8T, 10T, 12T
914,4 [36]	4	12T
1219,2 [48]	2, 3	8T, 12T

12.0 INCH HEAVY DUTY SERIES

Heavy Duty Modular Conveyors | Configurations

Carousel



Over/Under

