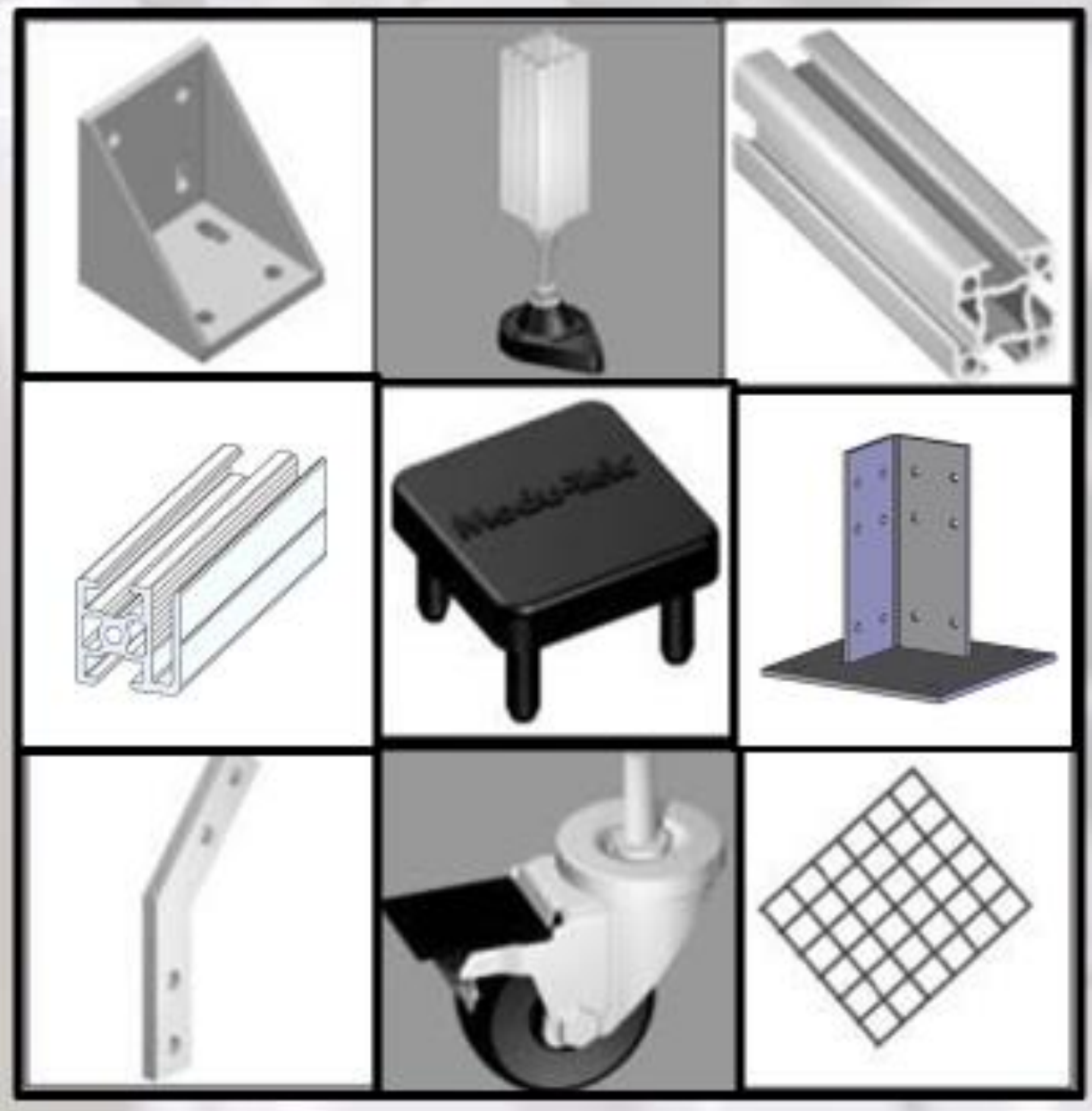
TEKNO®



Leading The Industry With Modular Solutions

Table Of Contents

- **Title Page**.....**1**
- **Table Of Contents**.....**3**
- **Aluminum vs Steel**.....**4**
- **Section 1 Conveyors**.....**5**
  - Conveyor Configuration.....6-8
  - Chain Beam.....9
  - Snap on Guide Rail.....10,11
  - Heavy Duty Guide Rail.....12,13
  - Outboard Guide Rail.....14-16
  - Drive Assembly.....17
  - Idler Assembly.....18
  - Inboard Motor Mount.....19
  - Outboard Motor Mount.....20
- **Support Information**.....**21**
- **T Slotted Extrusion Information**.....**22**
- **Part Table of Contents**.....**23-24**
- **Part Information**.....**26-60**
- **Section 2 Additional Products and Services**.....
  - Systems Integration.....62
  - Stair Tread and Walkover.....63
  - Custom Product Pallets.....64
  - Special Machinery.....65

Aluminum VS Steel

•There is no welding required!

•Our hard anodized extruded aluminum does not rust or corrode, so no painting is necessary, EVER!

•Extruded aluminum beam profiles are designed to be lightweight while maintaining exceptional high strength characteristics.

•Modu-Tek aluminum beam profiles are T-slotted for ease and speed of assembly.

•Only three simple hand tools (1/2" wrench, 5/32" Allen Wrench, and a Standard Tape Measure) are required to build structural systems.

•Structures built from Modu-Tek aluminum beam can be quickly reconfigured to incorporate design changes.

•Extruded aluminum beams are easily expanded or altered to meet the requirements of any on-going project.

•Additional components and accessories are simple to add at any time.
WHY TEKNO?

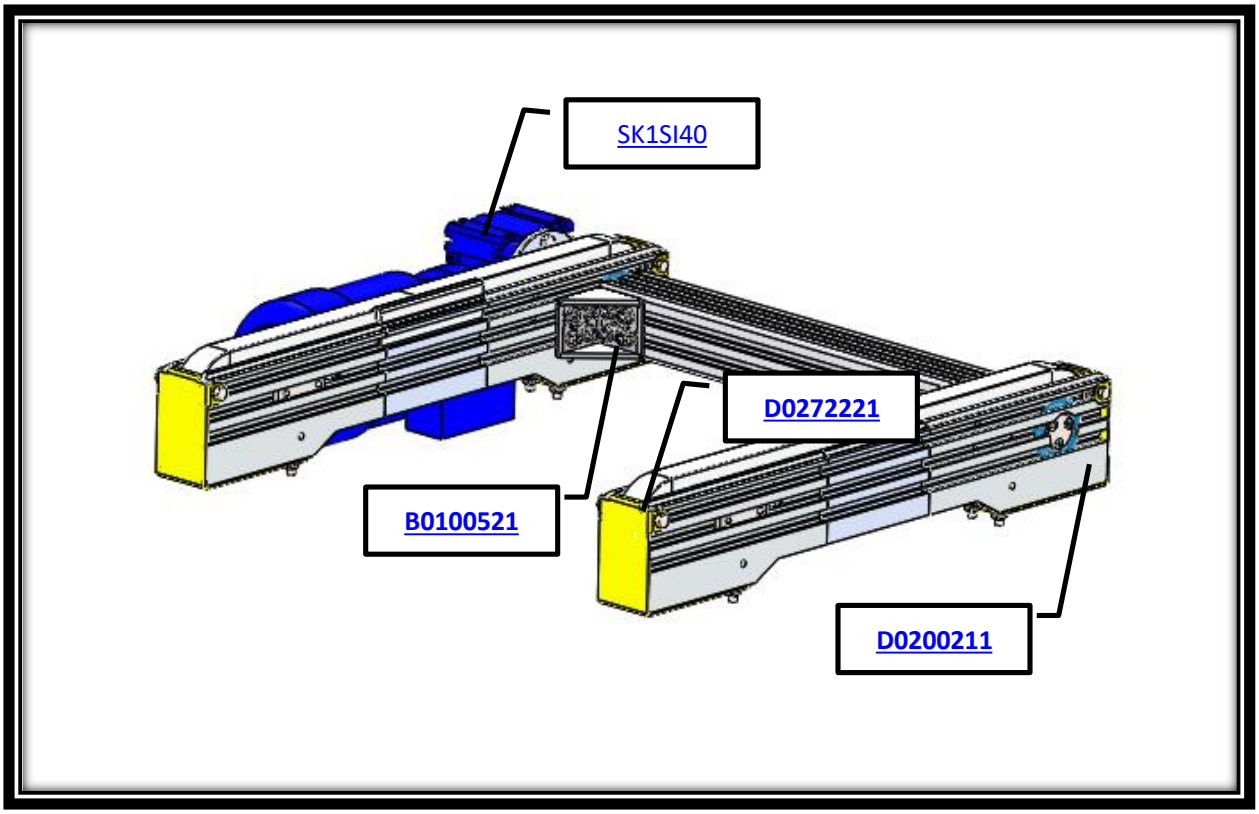
•Tekno has the most competitive pricing in the industry. When the overall cost of completing a project from start to finish are evaluated, Tekno is the true leader in the price war.

•Tekno's components do not require drilling, tapping, or counter boring; saving time, expense, and labor.

•Tekno offers a wide variety of hardware to meet every design requirement.

•Tekno's extruded aluminum profiles are T-6 grade...the strongest in the industry!

•Because our Modu-Tek components were designed with the assembly process in mind, absolutely no other product is faster or easier to assemble.
...but we don't want you to simply take our word for it...
We want you to let us prove it.


SK1SI40
D0272221
B0100521
D0200211

Conveyor Part Numbers

2060 Conveyor part Category

Conveyor Width (pg. 7)
(Ex 26.25" = 2625)
Minimum = 12.00" (1200)
Maximum = 48.00" (4800)

Guide rail Type
A = B0700111)(in) (pg.11)
B = B0700111 (out) (pg.11)
C = B0700711 (in) (pg.11)
D = B0700711 (out) (pg.11)
E = B0700321(pg.11)
F = B0700421 & 1x1 (W/UHMW) (pg.13)
G = B0700421 & 1x2 (W/UHMW) (pg.13)
H = B0700421 & 1x3 (W/UHMW) (pg.13)
J = B0700421 & 1X1 (NO UHMW) (pg.13)
K = B0700421 & 1X2 (NO UHMW) (pg.13)
L = B0700421 & 1X3 (NO UHMW) (pg.13)
M = B0700621 & 1X1 (w/UHMW) (pg.16)
N = B0700621 & 1X2 (w/UHMW) (pg.16)
P = B0700621 & 1X2 (w/UHMW) (pg.16)
Q = B0700621 & 1X1 (No UHMW) (pg.16)
R = B0700621 & 1X2 (No UHMW) (pg.16)
S = B0700621 & 1X3 (No UHMW) (pg.16)

Supports (pg. 21)
0 = No Supports
1 = Single Level Supports
2 = Dual Level (Conveyor on lower)

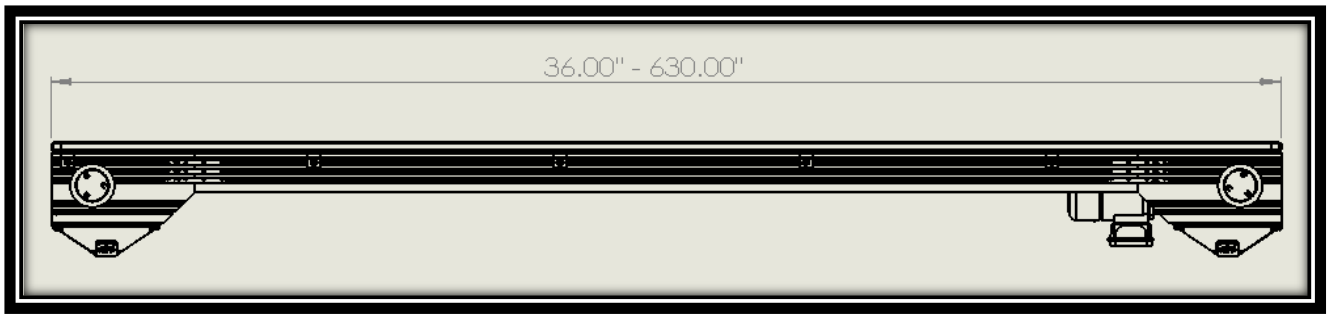
Motor Orientation (pg.51)
1 = Horizontal (M1)
2 = Vertical (M2)
3 = Motor Up (M4)

Motor Horsepower (pg. 8):
See Page XX – Motor Selection chart

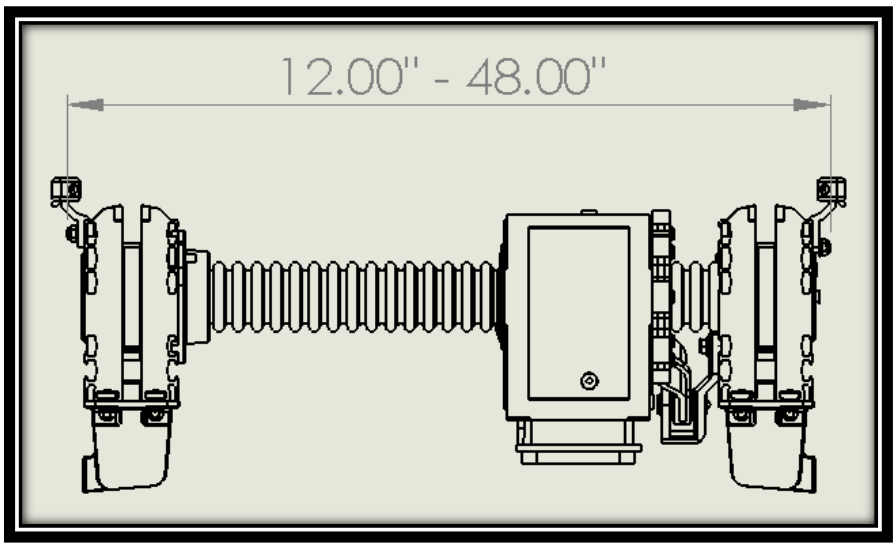
Conveyor Length (pg. 7)
(EX: 120.00" = 12000
Minimum Length = 36.00" (03600)
Maximum Length = 630.00" (63000)

Motor Mount
A = Inboard (pg.19)
B = Outboard (pg. 20)

Conveyor Length



Conveyor Width



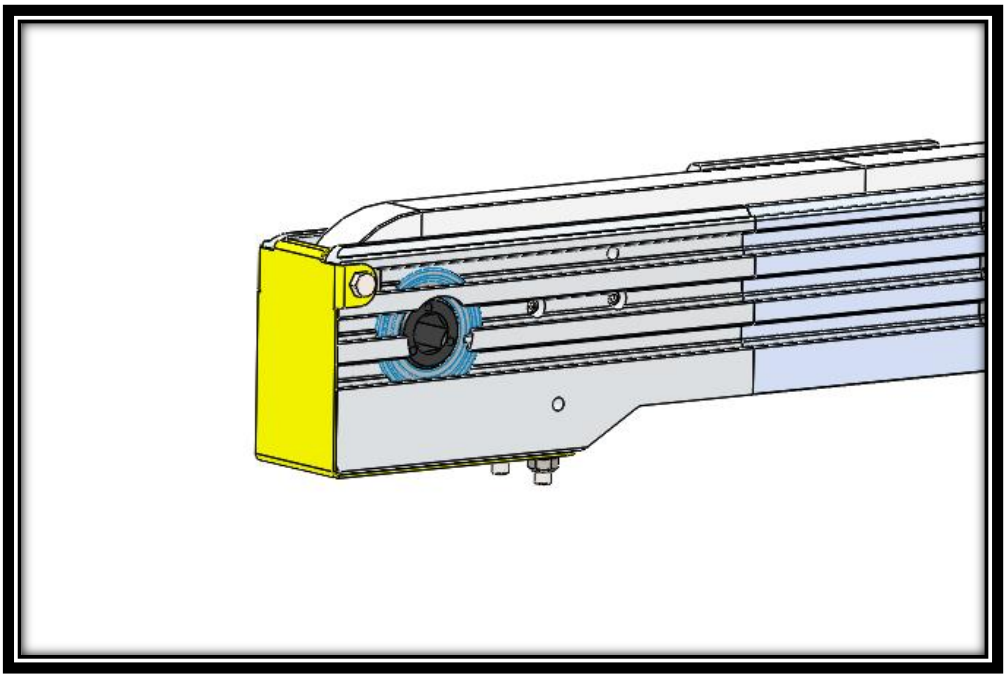
Motor Selection Chart

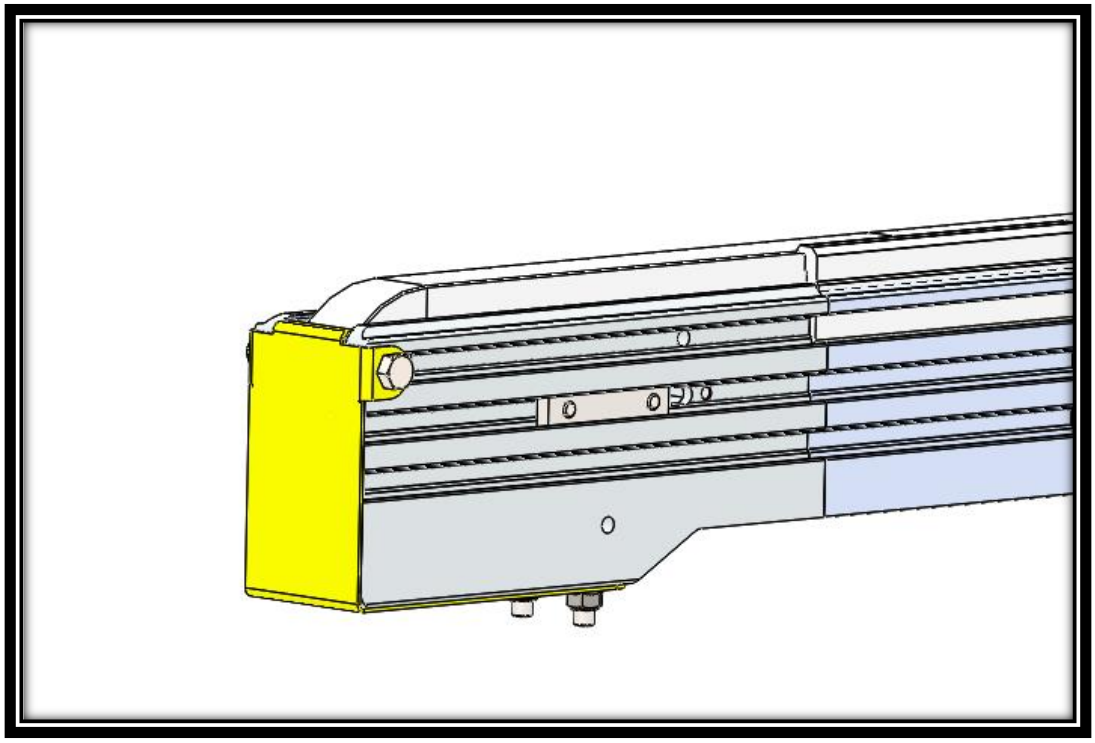
Total Weight on a Conveyor Section

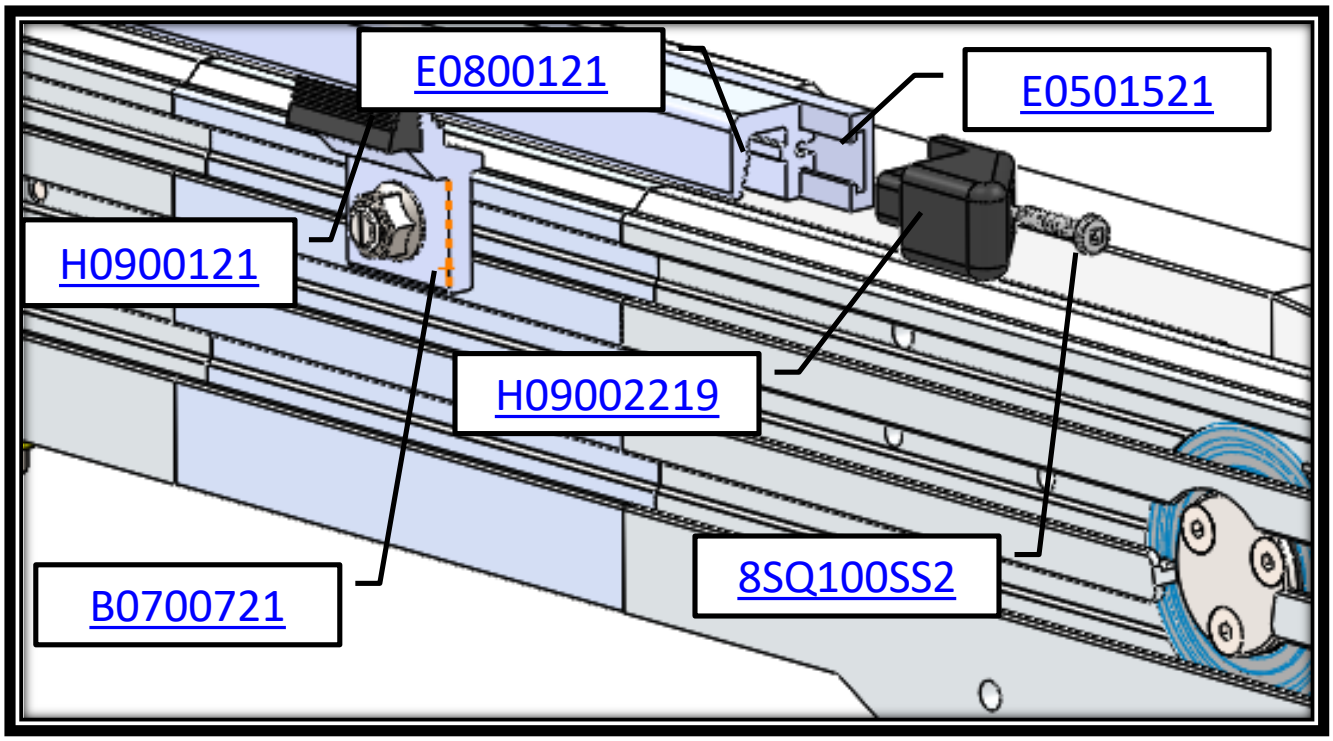
Speed	0 - 500 lbs.	500 - 1000 lbs	1000 - 1500 lbs	1500 - 2000 lbs	2000 - 2500 lbs	2500 - 3000 lbs	3000 - 3500 lbs	3500 - 4000 lbs.
10 - 20 fpm	0.16	0.16	0.16	0.16	0.16	0.25	0.25	0.33
20 - 30 fpm	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
30 - 40 fpm	0.50	0.50	0.50	0.50	0.50	0.75	0.75	0.75
40 - 50 fpm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50 - 60 fpm	1.00	1.00	1.00	1.00	1.00	1.00		
60 - 70 fpm	1.00	1.00	1.00	1.00	1.00			
70 - 80 fpm	1.50	1.50	1.50	1.50	1.50	1.50	1.50	
80 - 90 fpm	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00

Select the Speed and Weight in the chart above, match the color to the motor below

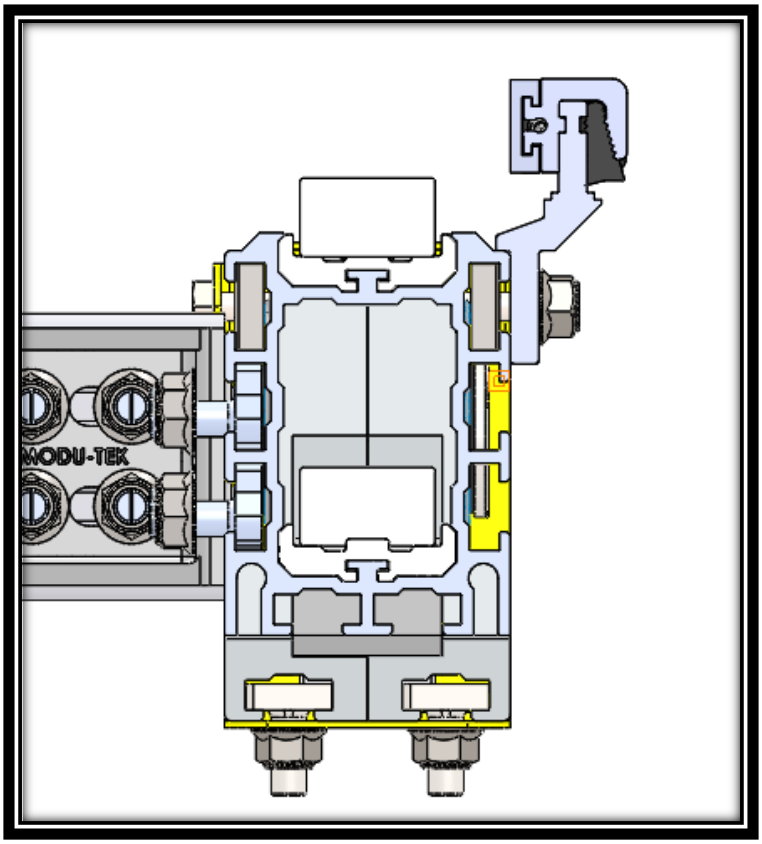
Motor Identifier	Horse power	Ratio	Motor model #
A	0.16	439.46:1 Ratio	SK9017.1AZ-63SP/4
B	0.25	367.33:1 Ratio	SK9017.1AZ-63LP/4
C	0.33	367.33:1 Ratio	SK9017.1AZ-71SP/4
D	0.5	234.64:1 Ratio	SK9016.1AZ-71LP/4
E	0.5	149.81:1 Ratio	SK9016.1AZ-71LP/4
F	0.75	149.81:1 Ratio	SK9016.1AZ-80SP/4
G	1.00	116.52:1 Ratio	SK9016.1AZ-80LP/4
H	1.00	91.77:1 Ratio	SK9016.1AZ-80LP/4
J	1.50	81.38:1 Ratio	SK9016.1A-90SP/4
K	2.00	71.88:1 Ratio	SK9016.1AZ-90LP/4

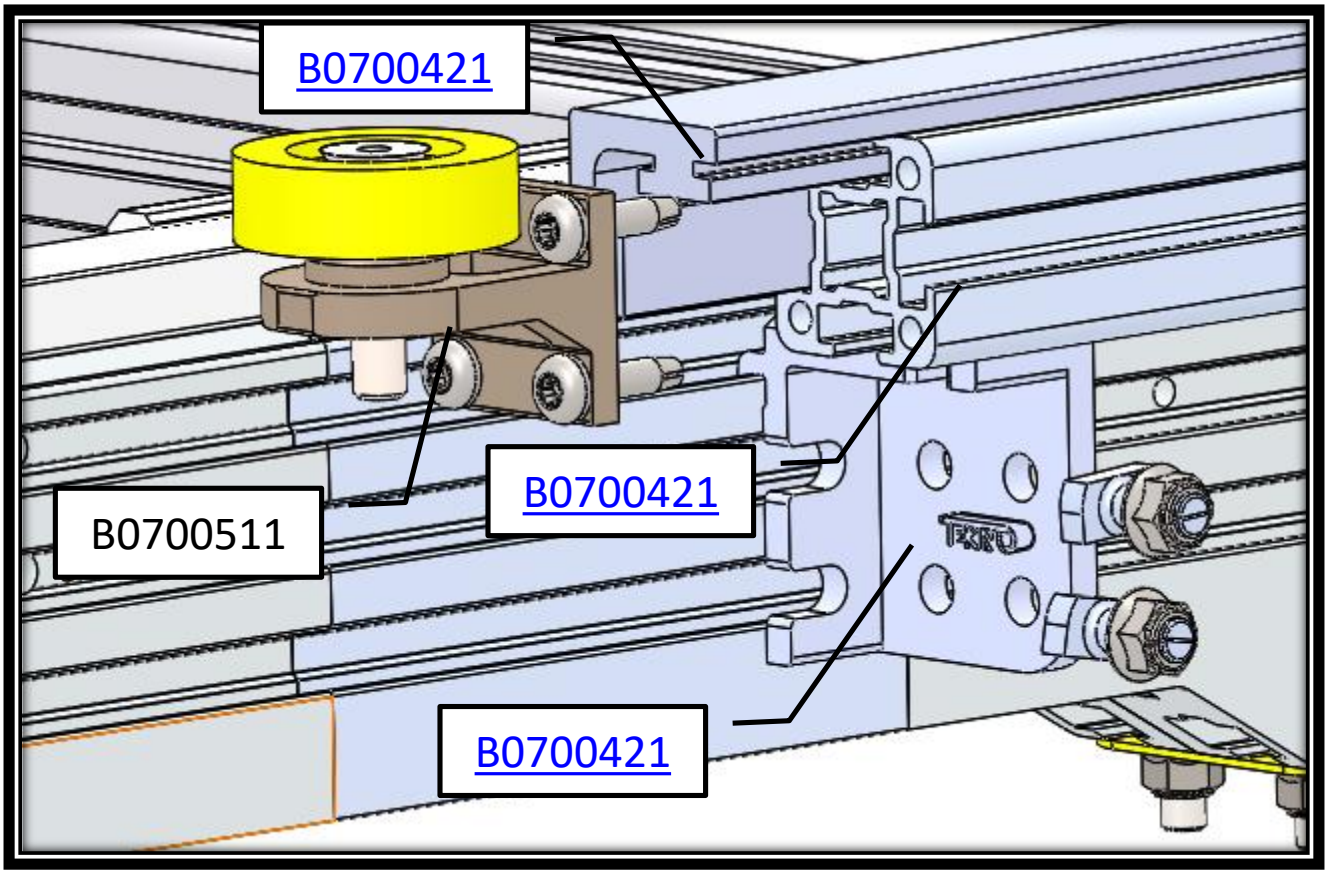




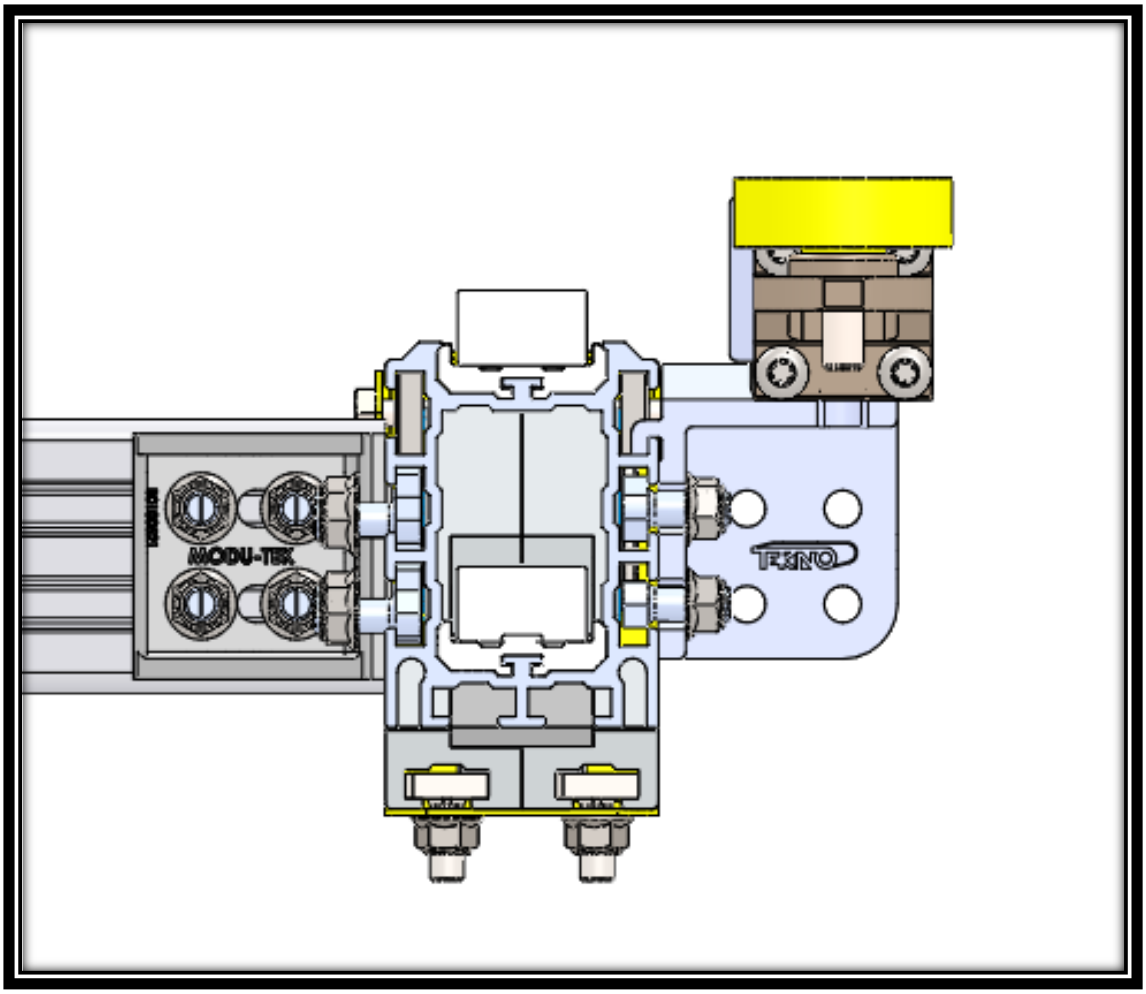


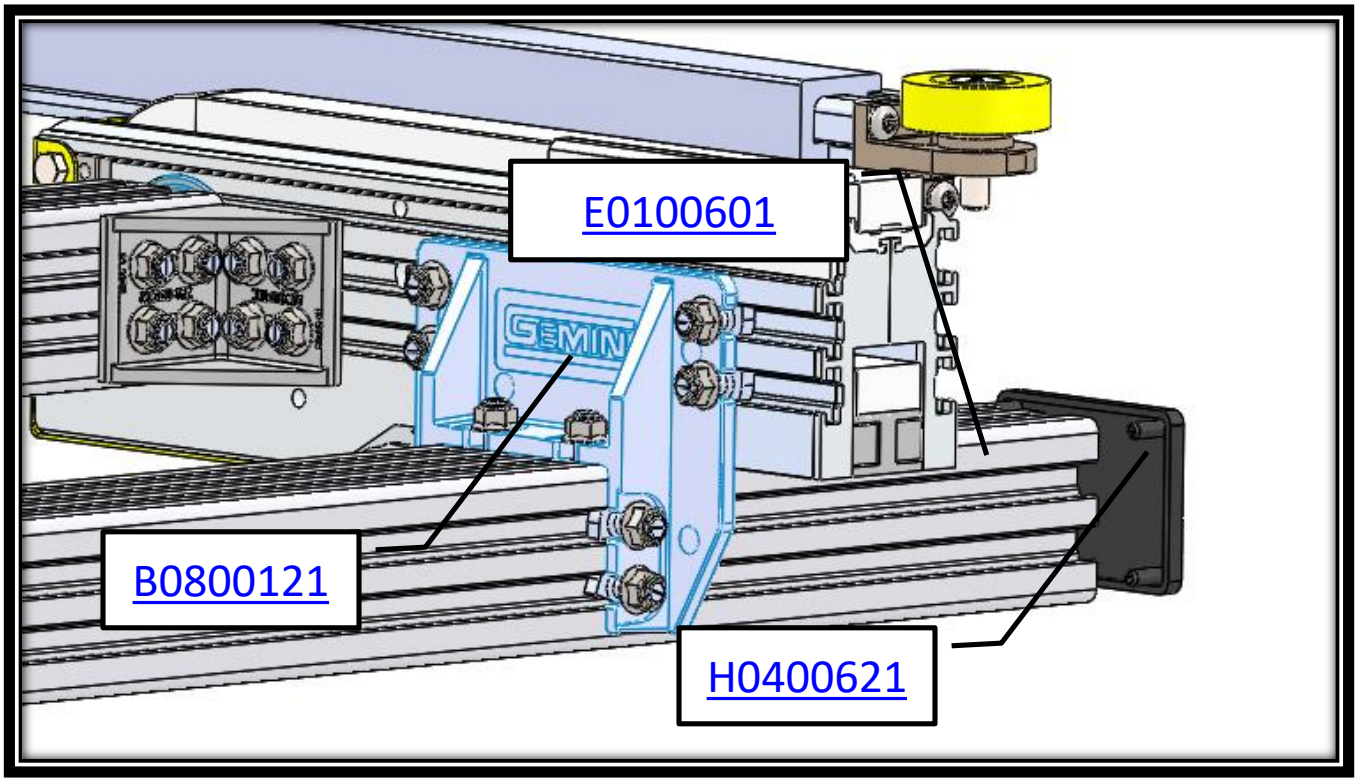
Tekno's conveyor guide rail is designed to quickly mount to the conveyor side frame. We provide a variety of brackets that can be utilized to get different clearances. Each bracket has different gaps to allow smaller or larger debris to pass. See next page for bracket options.


MODU-TEK



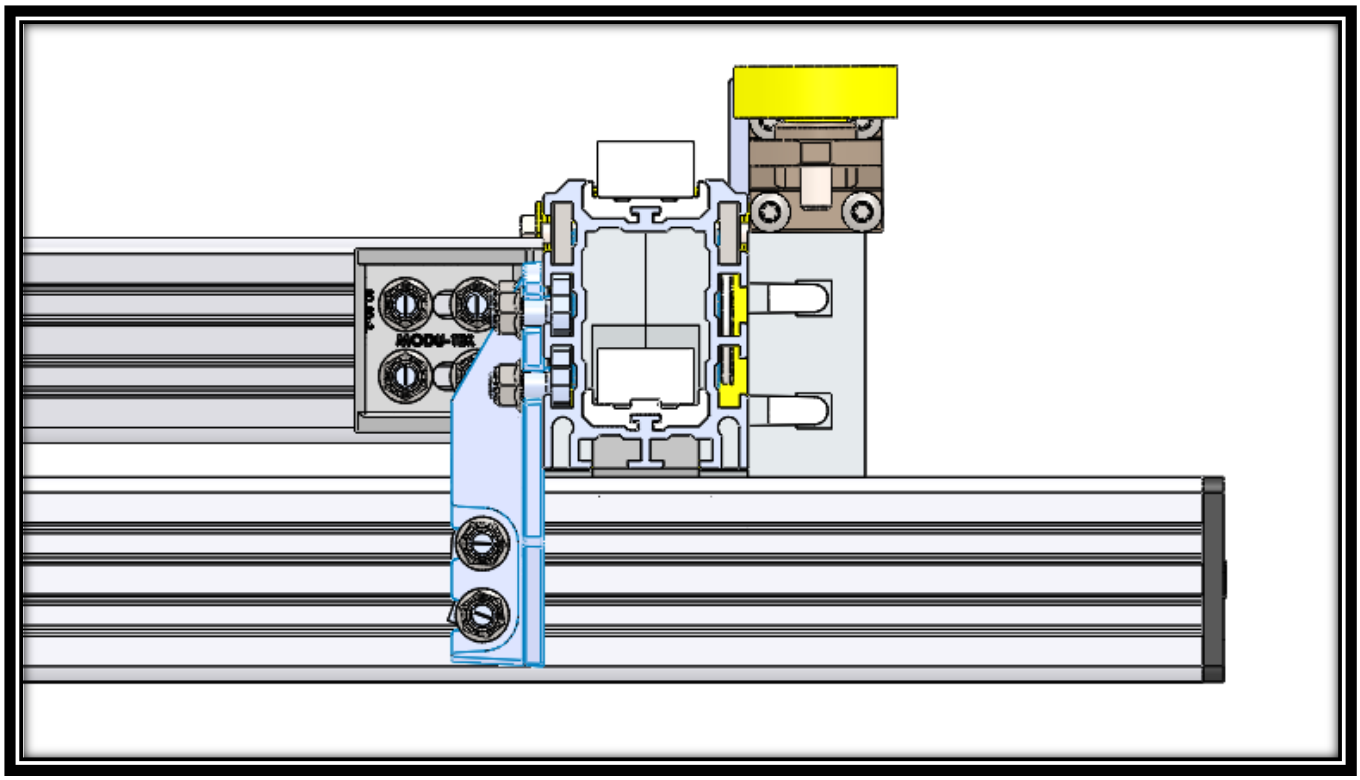
Tekno also offers a “heavy duty” guide rail option for larger pallets or more robust applications. The heavy-duty guide rail utilizes our 1x1 extrusion as the guide surface. We also offer a UHMW cover that can be used to provide a low friction guide surface against your pallets.


MODU-TEK
TEKNO



B0700621

Tekno offers outboard guide rail for wider pallet or different shaped products. The outboard guide rail bracket sits on a crossbeam and can be made the width needed for your product. The guide can be any of our 1x1, 1x2 or 1x3 extrusions. Our UHMW corner extrusion can be added to provide a low friction running surface for your pallets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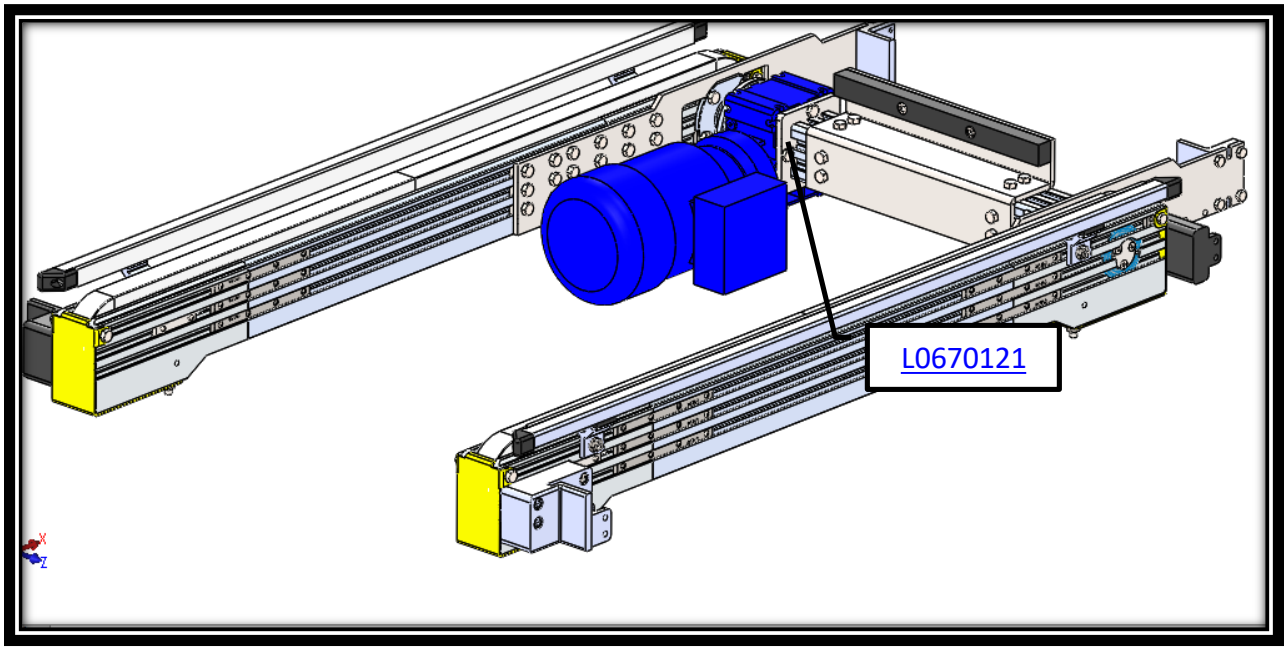
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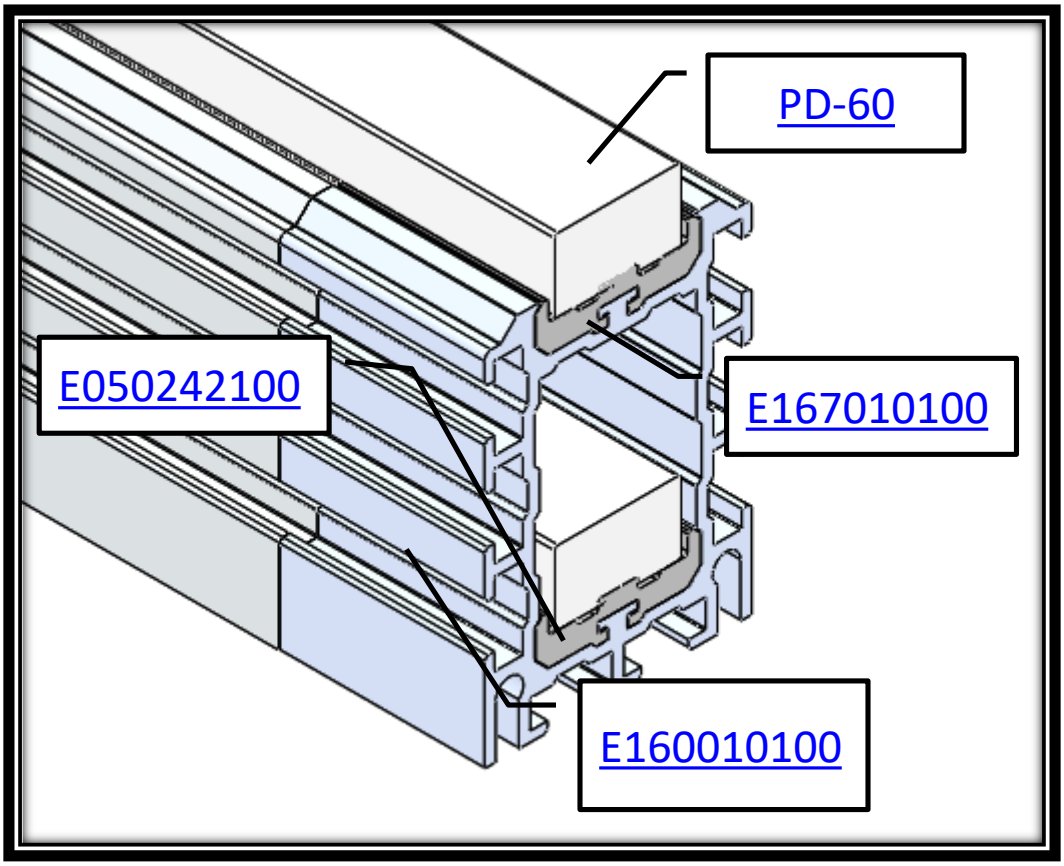
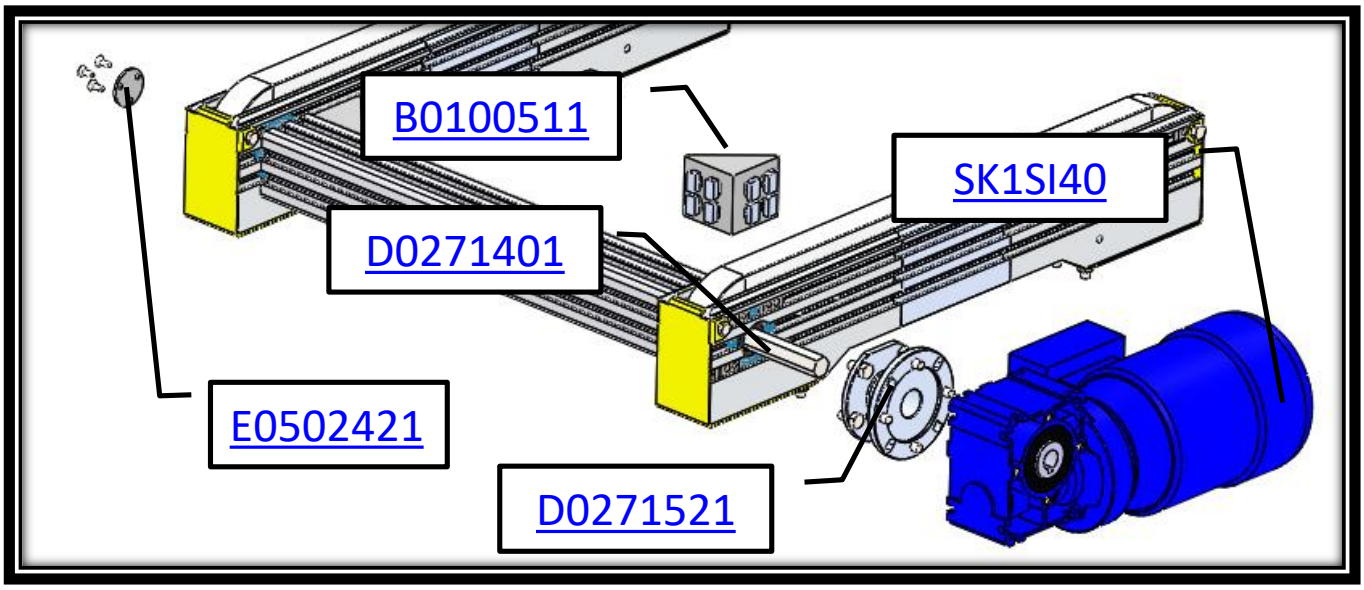
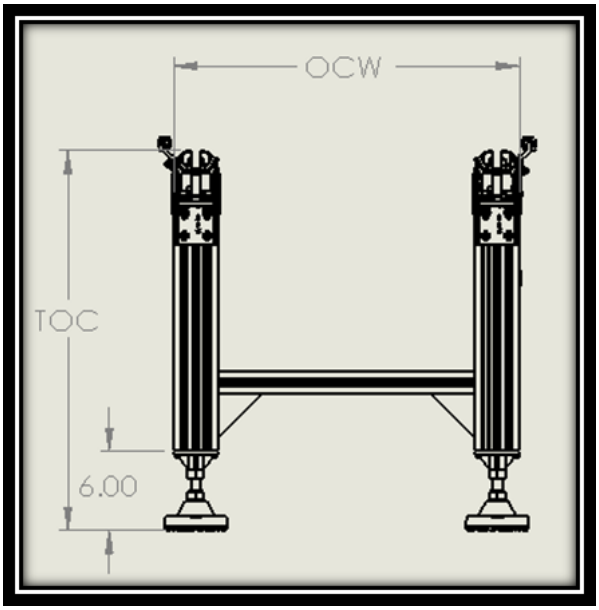

PD-60
E050242100
E167010100
E160010100

Outboard Motor Mount Assembly



Another commonly used gearmotor configuration is mounting the motor on the outside of the conveyor chains. This is beneficial as it allows one to quickly remove the gearmotor for replacement or service. In this configuration the shaft is capped on the opposite side as the motor. We utilize a hex shaft clamp in the inside to prevent the shaft from walking while running. The hex shaft is also utilize in this configuration providing superior torque and low precision.

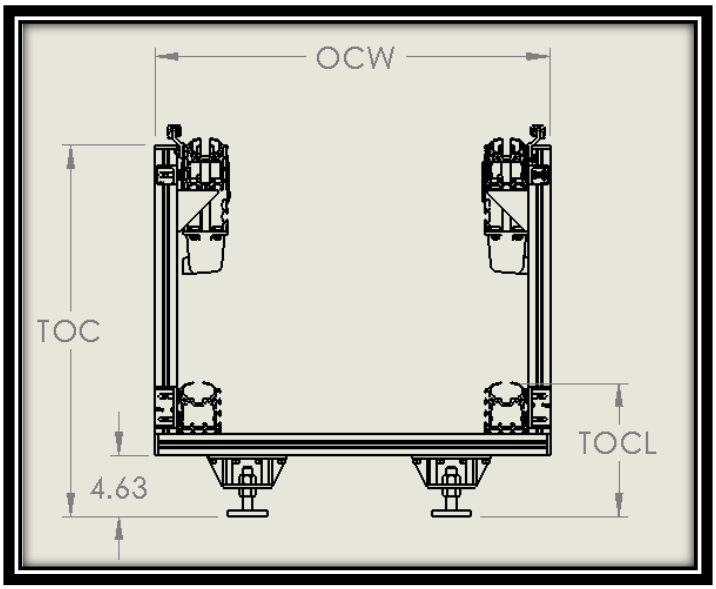


Single Level Support

Single level conveyors (shown left) are ideal for applications where conveyor height is critical. They can go as low as 14 inches and the standard configuration as high as 48 inches. They are best used for conveyor loops or racetracks. The lower cross member can be used to run wiring, air piping, or other utilities.

Over Under Supports

Over under conveyors maximize floor space by allowing you to build on the upper conveyor and return your pallet or fixture on the lower conveyor. The lower conveyor is positioned at 9.5 inches and the upper conveyor can go up to 48 inches. The supports on the sides have been engineered to be smaller profile to allow the operators to get as close to the line as possible.



INTRODUCTION
The Information On This Page Pertains To All T-Slotted Extrusions

Material Specifications:

Material:
6063-T6 Aluminum Alloy

Surface Finish:
201 R1 Clear Anodize, 150 RMS with an application depth of 0.001 in - 0.002 in [0.025 mm - 0.051 mm]

Yield Strength:
25,000 lbs/in2 [1,758 kg/cm2]

Tensile Strength:
30,000 lbs/in2 [2,109 kg/cm2]

Elongation:
Maximum of 12% in 2.0 in [50.8 mm] of length

Modulus of Elasticity:
10 million lbs/in2 [703,100 kg/cm2]

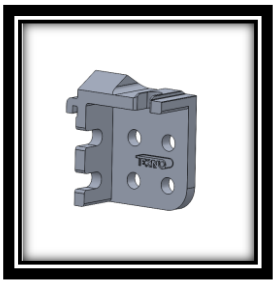
Brinell Hardness
(500 Kg. Load, 10mm Ball):
Approximately 73 HB

Straightness:
0.0125 in/ft [0.1042 cm/m2], not to exceed 0.25 in [0.64 cm] over a 20 ft [6 m] length.

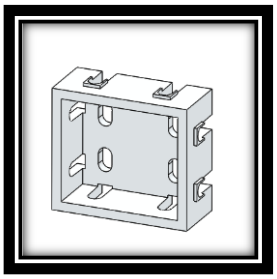
Twist:
1/4° per foot, not to exceed 3° over a 20-foot length.

2x2 Web Bracket
B0100521
pg.25

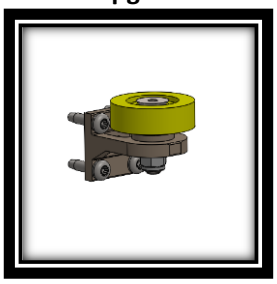
Heavy Duty Guide Rail Bracket
B0700421
pg.29



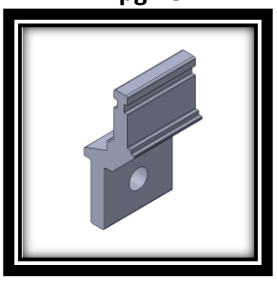
Heavy Duty Guide Rail Bracket
B0700621
pg.28



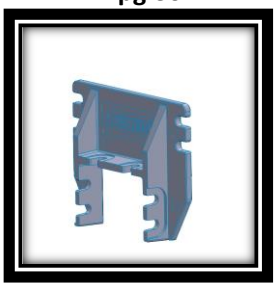
Outboard Guide Rail Roller Assembly
B0700511
pg.27



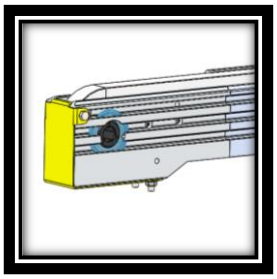
Snap On Guide Rail Bracket
B0700721
pg.28



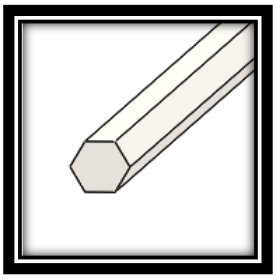
Cross Support Saddle Bracket
B0800121
pg.30



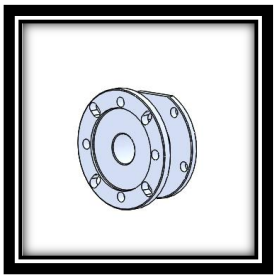
Drive Assembly
D0200211
pg.25



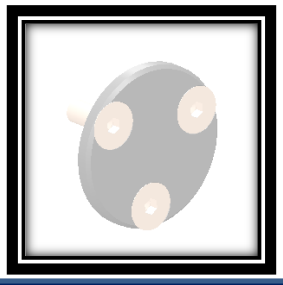
11/16 Hex Shaft
D0271401
pg.25



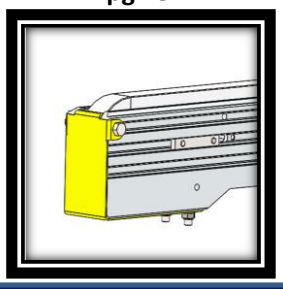
Cross Support Saddle Bracket
D0271521
pg.30



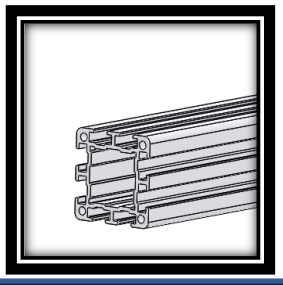
Motor Mount Bracket
D0271721
pg.25



Idler Assembly
D0272221
pg.25



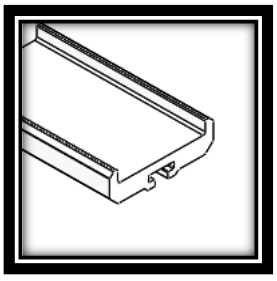
2x2 Extrusion
E0100501
pg.25



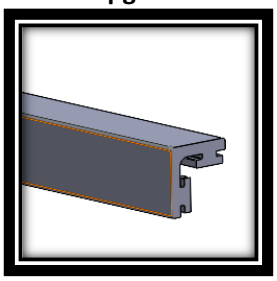
1x1 Extrusion
E0100201R03
Pg.44

2x3 Slot Extrusion
E0100601
pg.45

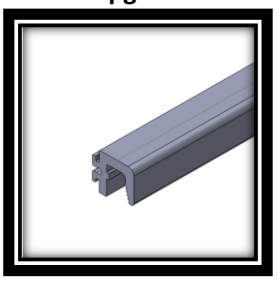
PD60 Wear strip (lower)
E050242100
pg.25



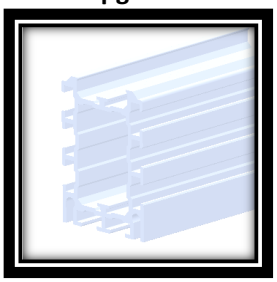
Corner UHMW Extrusion
E0502021
pg.48



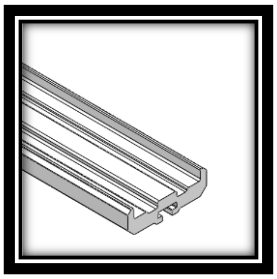
Snap on Guide Rail Extrusion
E0800121
pg.49



PD60 Chain Beam
E160010100
pg.25

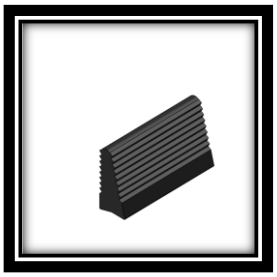


PD60 Wear strip (upper)
E167010100
pg.25



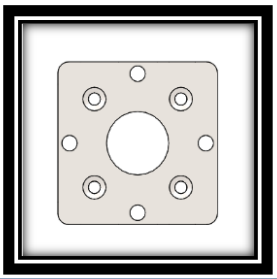
2X3 End Cap
H0400621
pg.51

Snap On Guide Rail Clamp
H0900121
pg.52

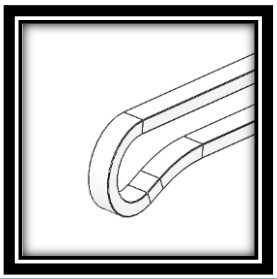


Snap on guide rail lead-in
H0900221
pg.53

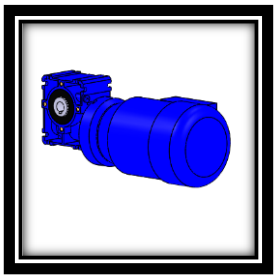
PD60 Chain*
L0670121
pg.25



PD60 Chain
PD-60
pg.25



Gear Motor
SK1SI40
pg.25

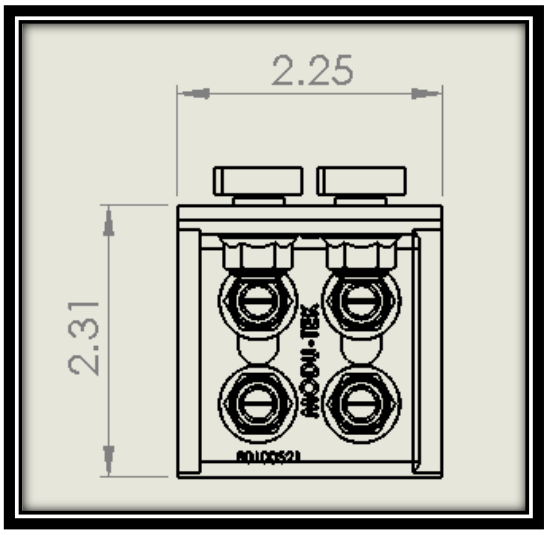


60 Steel Chain with Plastic Cap
18X12C1700
pg.25

B0100521
2x2 Web Bracket

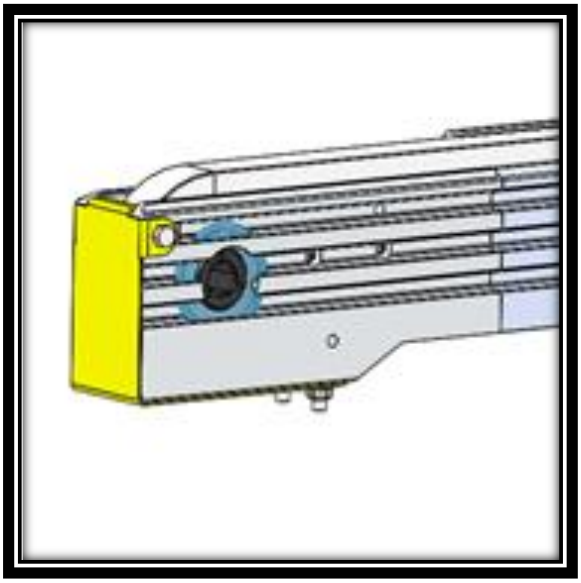
Typical Uses:
- Joining 2x2 extrusions at 90 degree angles
- Supports and cross braces

Features:
- Alignment keys ensure square
- Includes T-Bolts and Nylock nuts



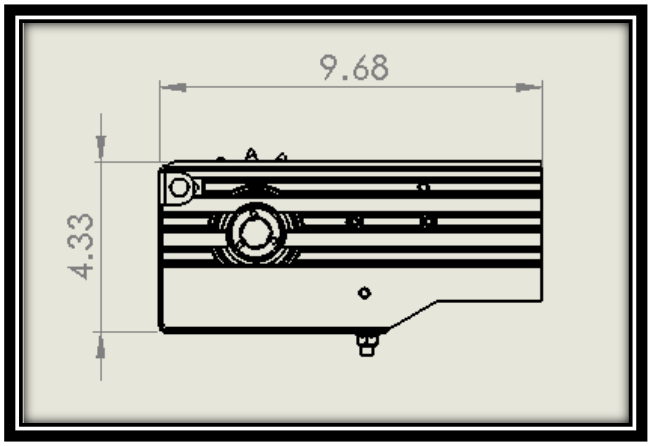
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	B010052100	BRACKET, 2X2 SLOT WEB	1
2	H0100111	3/4" T-BOLT WITH NUT ASSEMBLY	8

D0200211
Drive Assembly



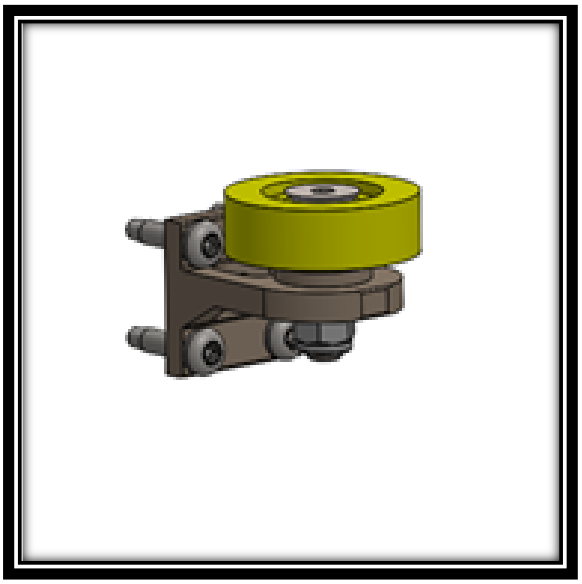
Typical Uses:
- Drive for Pd60 Conveyors

Features:
- 11/16 hex bore.
- End guard
- Drives are sold in pairs to make twin beam conveyors.



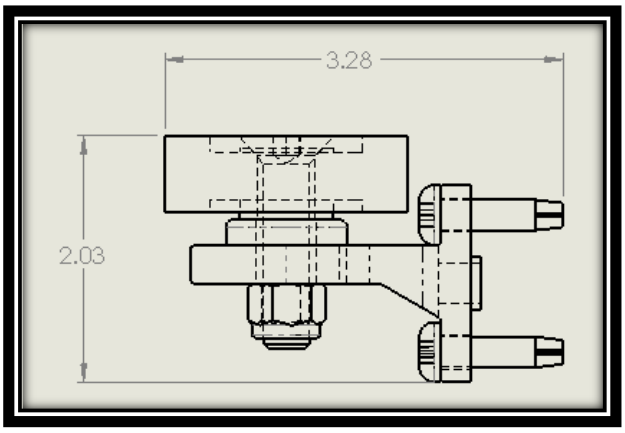
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D027282100	PD60 CONVEYOR, DRIVE SIDE PLATE, LH	1
2	D027292100	PD60 CONV, DRIVE SIDE PLATE, RH	1
3	18X12C3000	PD60 CONV, DRIVE SPROCKET	1
4	D027252100	PD60 CONV, IDLER REFEED	1
5	D027262100	PD60 CONVEYOR, IDLER WEARSTRIP	1
6	6007-2RS1	BEARING, DEEP GROOVE BALL, SEALED, 35MM ID	2
7	0.875		2
8	10FNNE	NUT, 10-32NF, NYLOC	1
9	Socket Countersunk Head Cap Screw_AI		1
10	D027192100	PD60 CONV, DRIVE END GUARD	1
11	H010072100	HARDWARE, DOUBLE SQUARE NUT	2
12	H010012100	HARDWARE, T-BOLT, 3/4"	2
13	31CNNEFW	LOCKNUT, 5/16-18NC FLANGED	2
14	1		2
15	Spring Pin Slotted_AI		2

B0700511
Outboard Guide Rail Roller Assembly



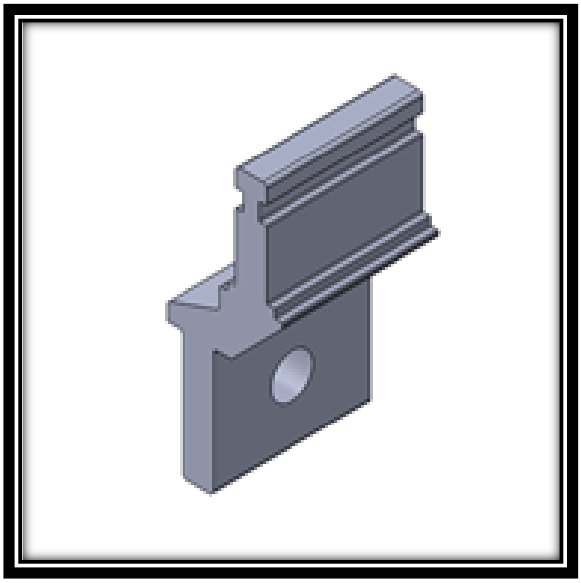
Typical Uses:
- End cap for outboard guide rail
- Provides a roller for transitions

Features:
- Urethane covered precision bearing.



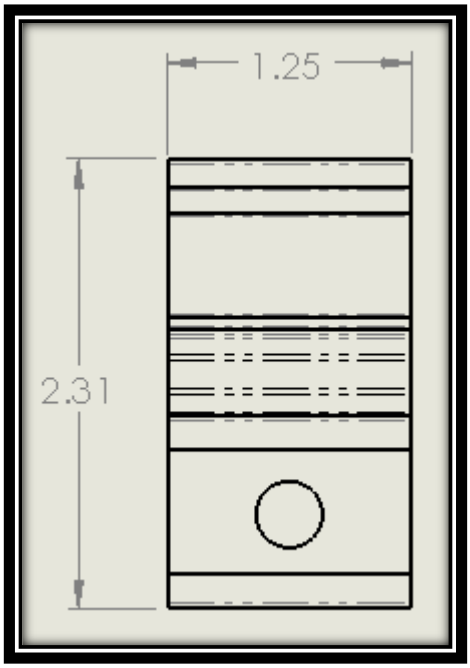
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	B070052100	1 X 1 END BRACKET	1
2	H0301921	HARDWARE, ROLLER, URETHANE COVERED	1
3	37C175KFC	FLAT SOC CAP SCREW, 3/8-16 X 1 3/4	1
4	25C100PTFZ	SCREW, PAN HEAD, TORX, THREAD CUTTING, 1/4-20 X 1	4
5	37CNNE	NYLON INSERT LOCKNUT, 3/8-16 UNC	1

B0700711
Snap On Guide Rail Bracket

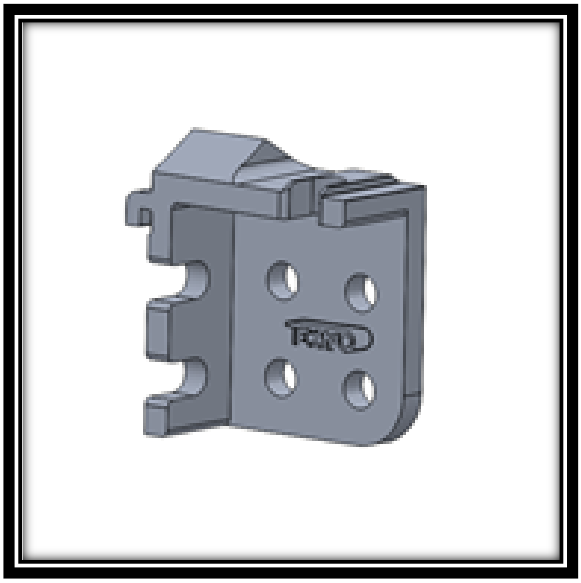


Typical Uses:
- Mount for snap on guide rail

Features:
- By directional mount for different conveyor widths

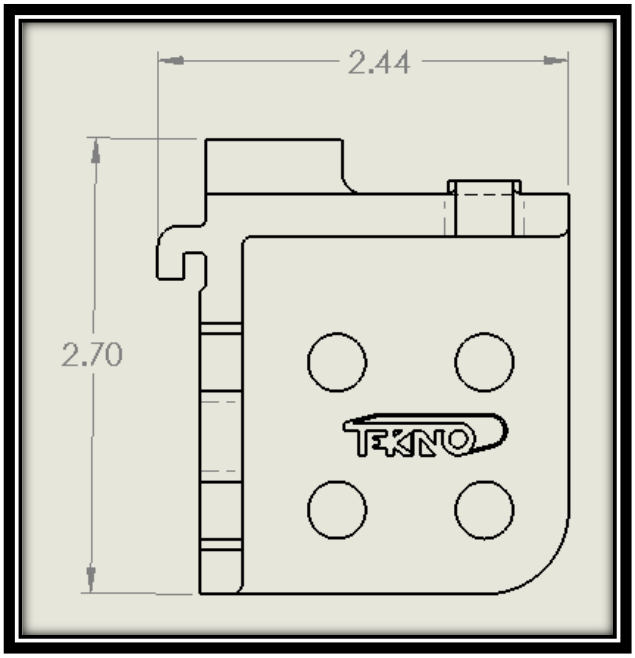


B0700421
Heavy Duty Guide Rail Bracket

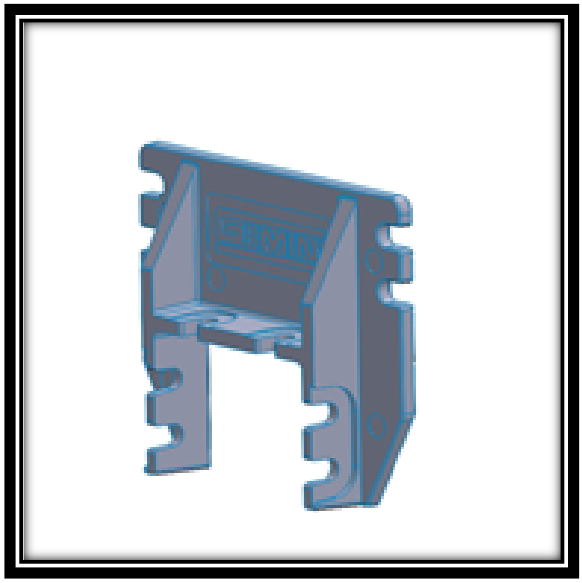


Typical Uses:
- Structural framework.
- Cross supports.
- Door and safety screen frames.

Features:
- T-slots for modular assembly with T-Bolts, Joiner Strips, and Square Nuts

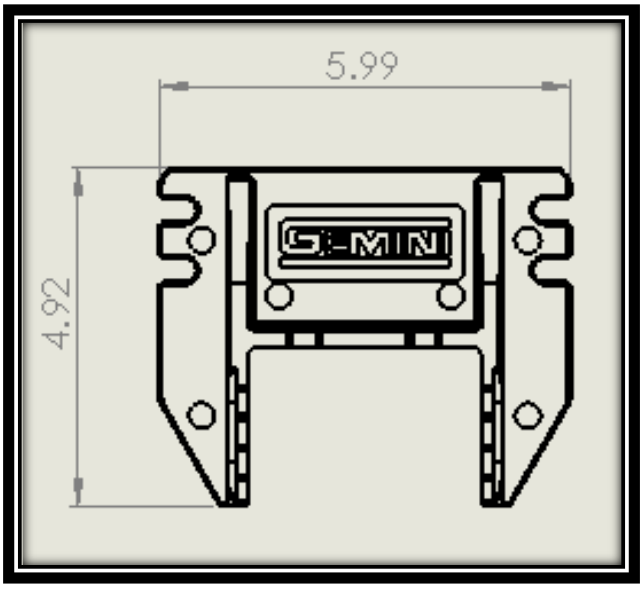


B0800121
Cross Support Saddle Bracket

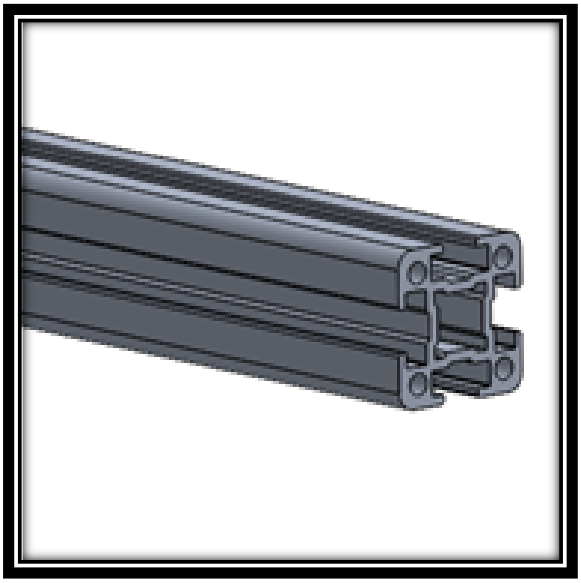


Typical Uses:
- Stop cross beams

Features:
- Alignment keys

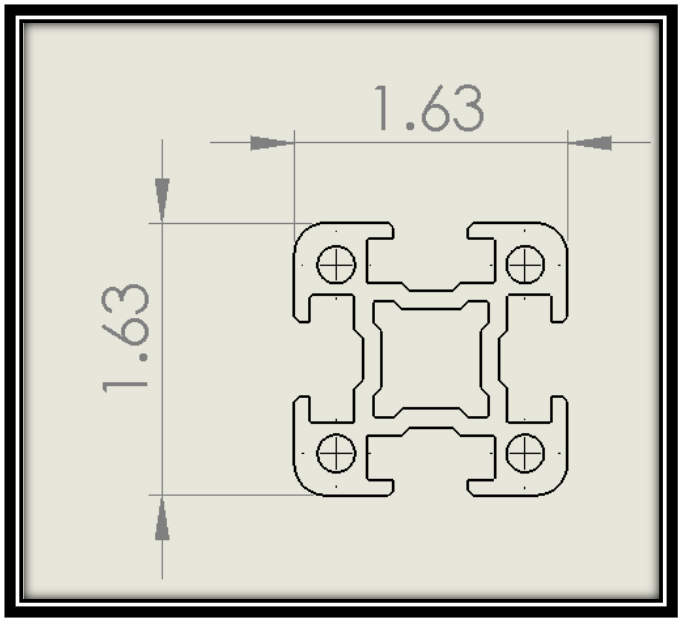


E0100201R03
1x1 Extrusion

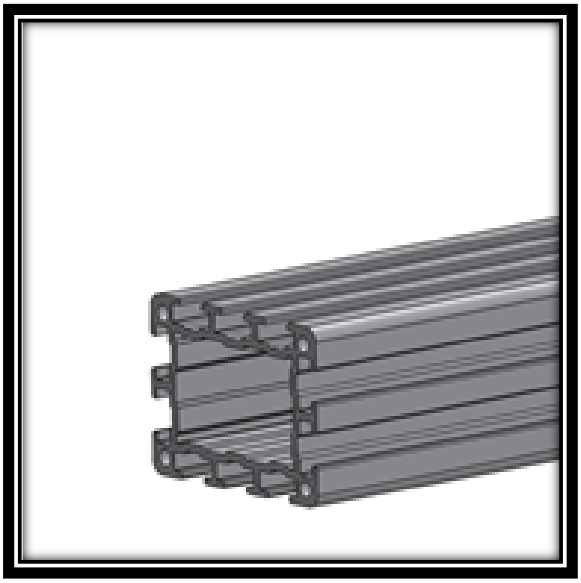


Typical Uses:
- Structural framework.
- Heavy duty/Outboard guide rail

Features:
- T-slots for modular assembly with T-Bolts, Joiner Strips, and Square Nuts

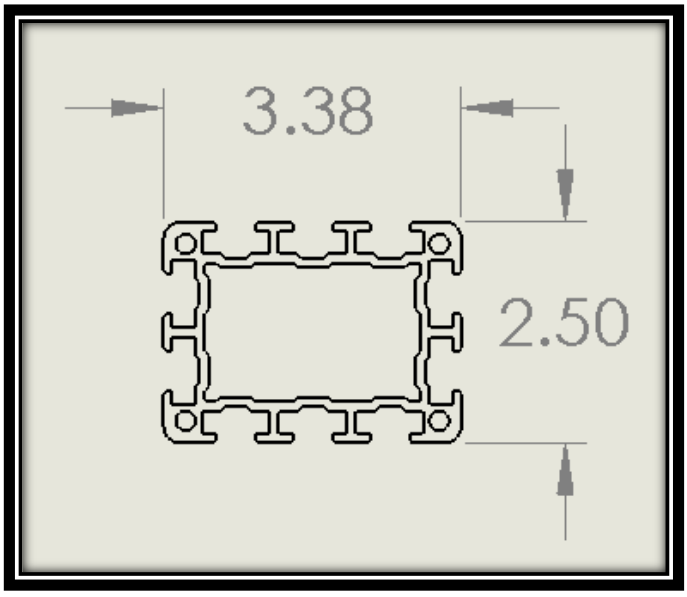


E0100601
2x3 Slot Extrusion

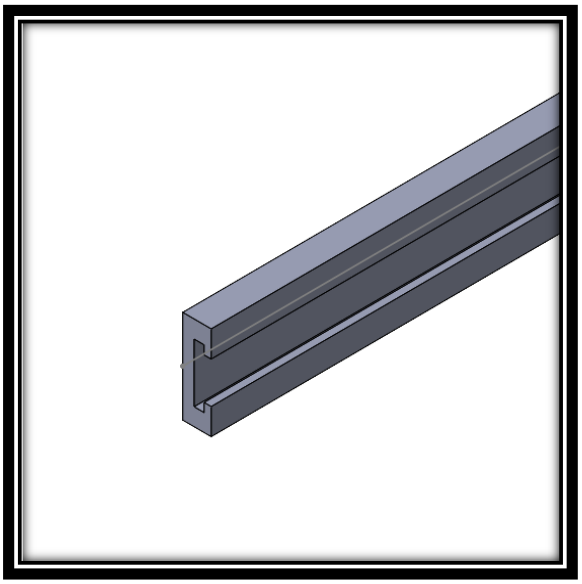


Typical Uses:
- Structural framework.
- Cross supports.
- Door and safety screen frames.
- Cross braces for stops

Features:
- T-slots for modular assembly with T-Bolts, Joiner Strips, and Square Nuts

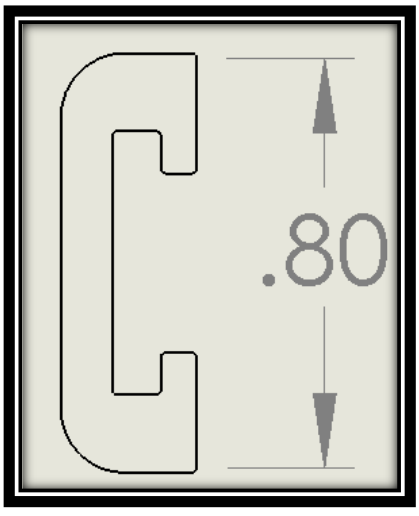


E0501521
Snap on guide rail cover

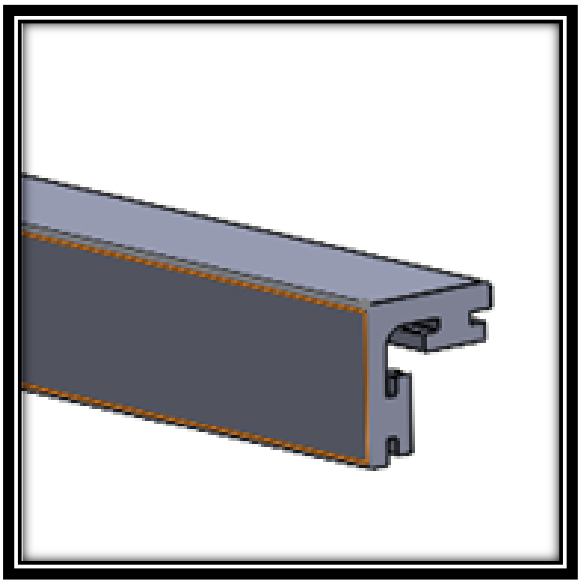


Typical Uses:
- Low friction guide surface for pallets

Features:
- Comes in 20ft lengths

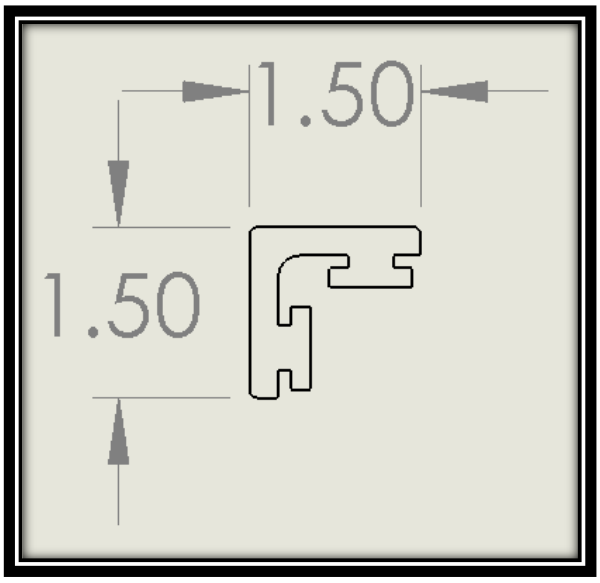


E0502021
Corner UHMW Extrusion

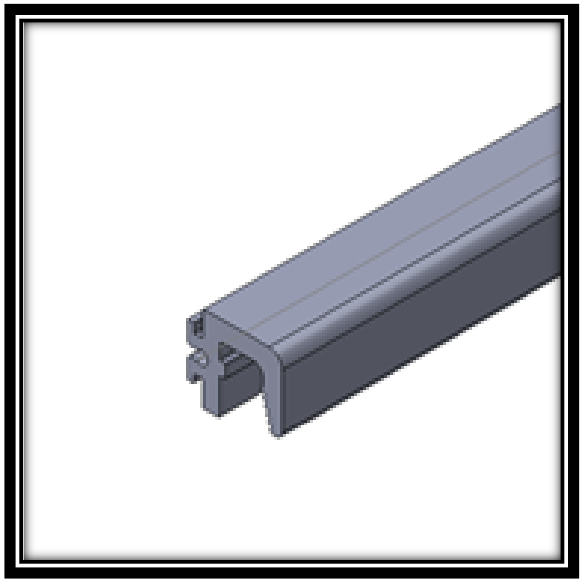


Typical Uses:
- Low friction guide surface

Features:
- 20 ft lengths
- Fits on any T slot extrusion

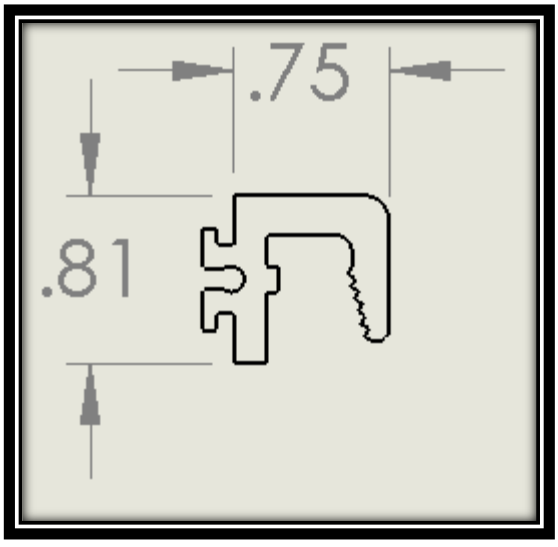


E0800121
Snap on Guide Rail Extrusion



Typical Uses:
- Guide for pallets on 2060 conveyor

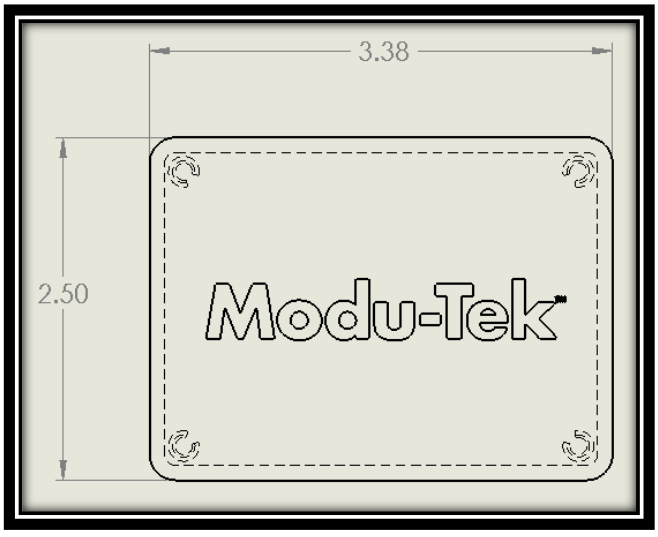
Features:
- Serrated retainer for wedges and key to fit in the guide rail brackets



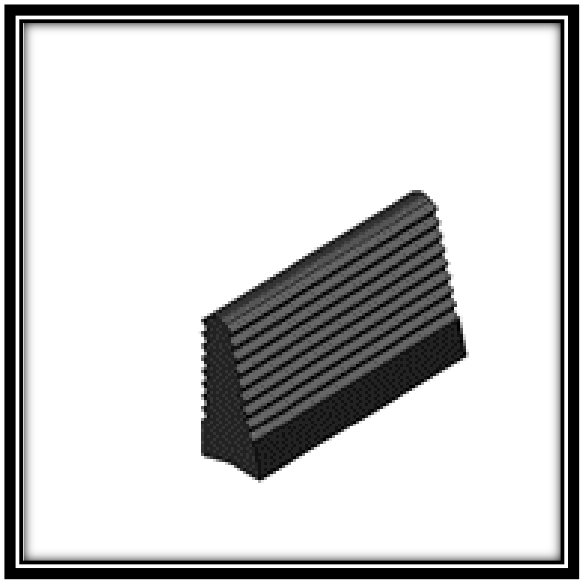
H0400621
2X3 End Cap

Typical Uses:
- End cap for 2x3 beam

Features:
- Alignment pins to match extrusion

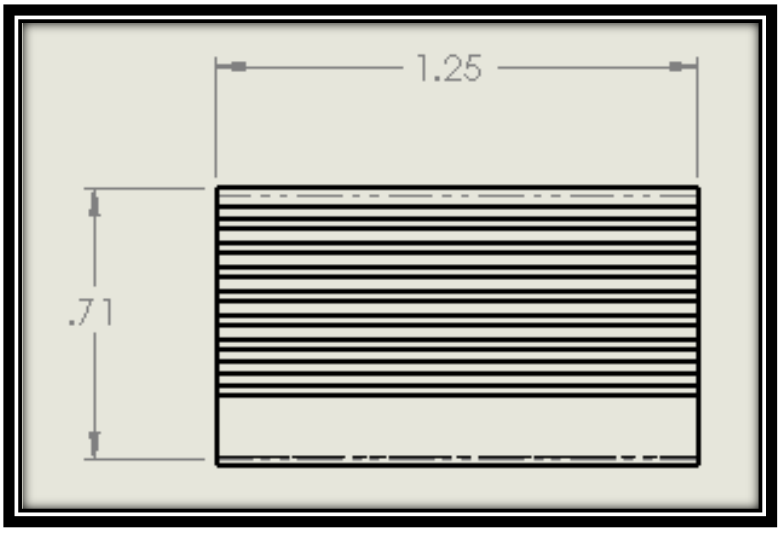


H0900121
Snap On Guide Rail Clamp



Typical Uses:
- Clamp to hold guide rail on the bracket

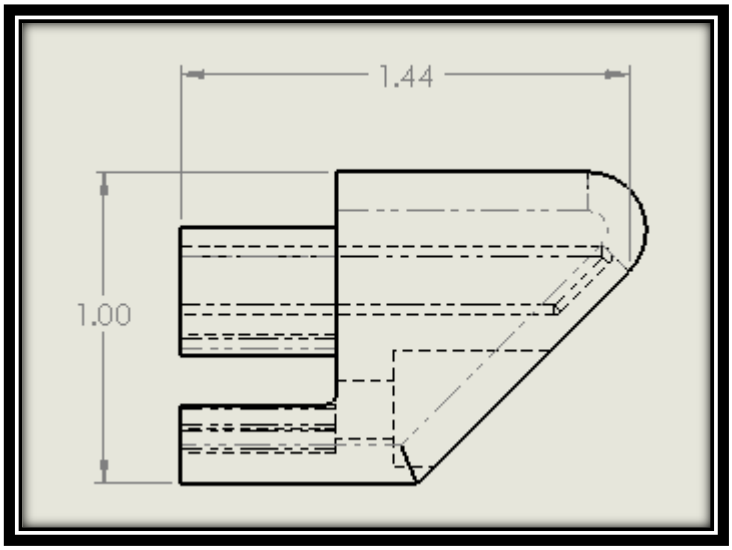
Features:
- Serrated edge to lock in guide rail



H0900221
Snap on guide rail lead-in

Typical Uses:
- Lead in for snap on guide rail and retainer for guiderail wear strip

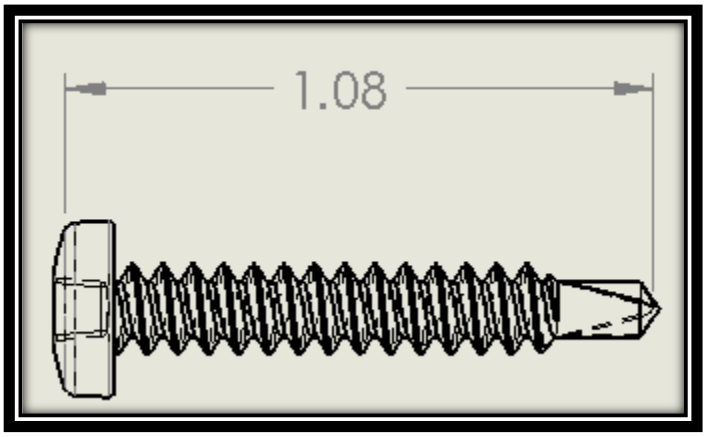
Features:
- Key to match snap on guide rail.



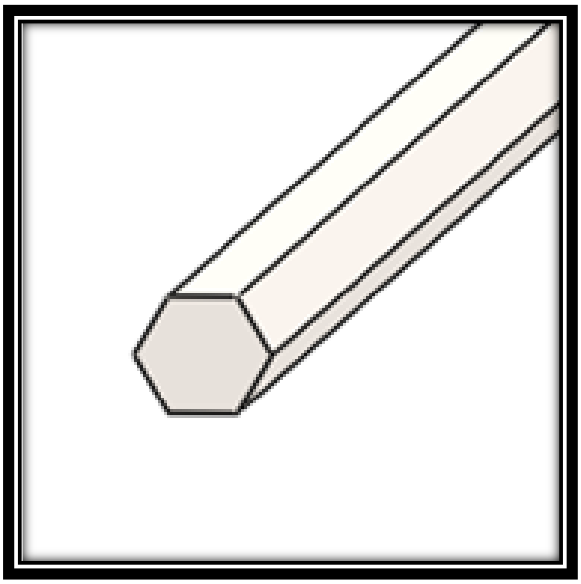
8SQ100SS2
#8 x 1.00” lg. Self tapping screw

Typical Uses:
- Fastener for snap on guide rail lead ins

Features:
- Self threading bolt. #2 Square drive.

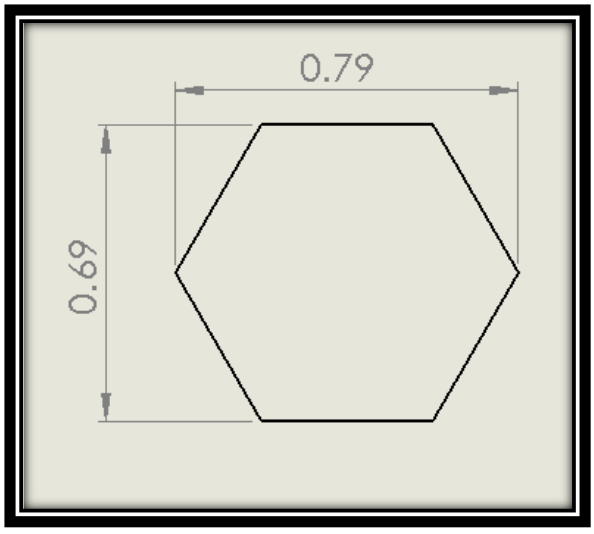


D0271401
11/16 Hex Shaft

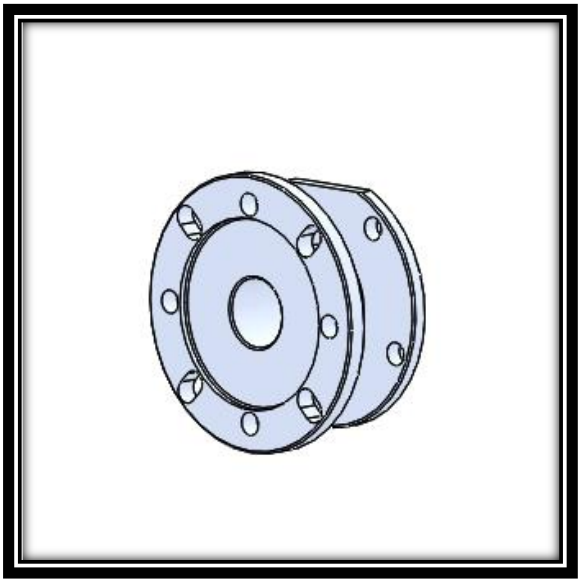


Typical Uses:
- Drive shaft for PD60 conveyors

Features:
- Stainless steel material.

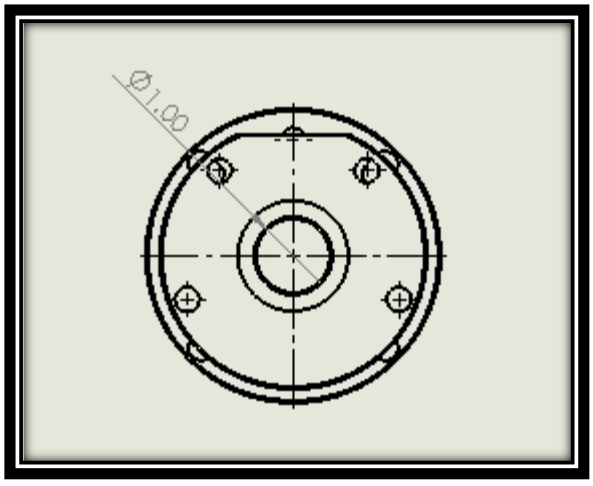


D02071521
Motor Mount Bracket

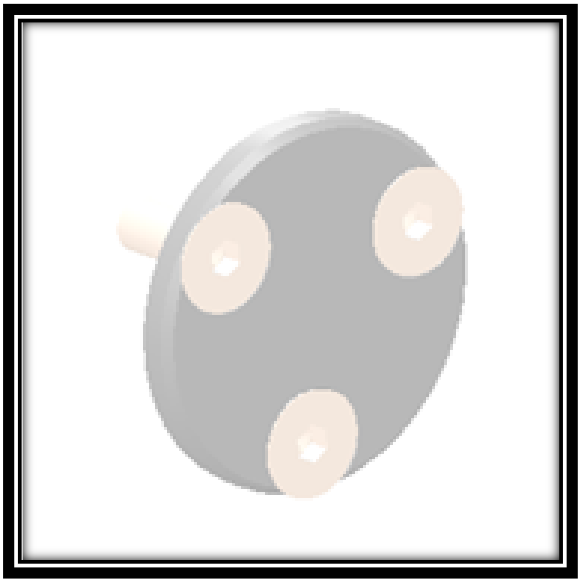


Typical Uses:
- Mount for gear motors on PD60 Conveyors

Features:
- Alignment holes to match drives
- 31 frame size gear motors

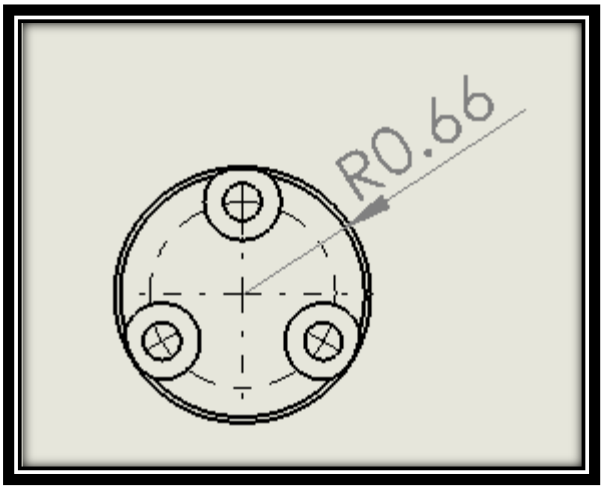


E050242100
PD60 Sprocket Bore Cap

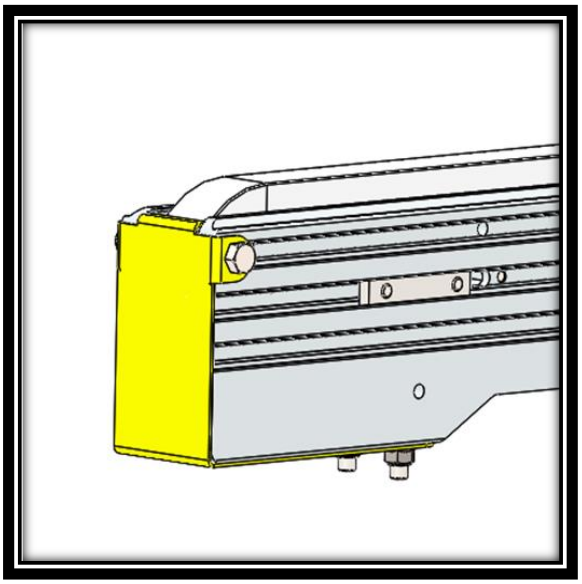


Typical Uses:
- Retainer for drive shaft

Features:
- Zinc plated

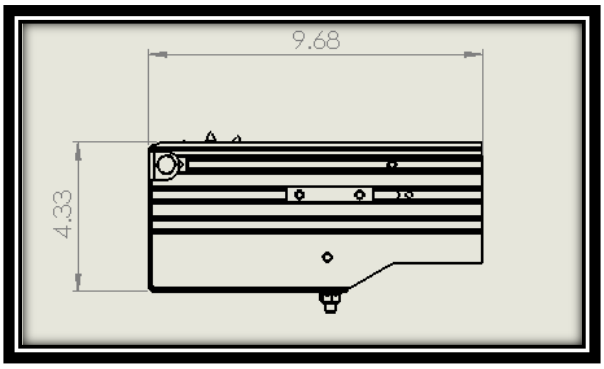


D0272221
Idler Assembly



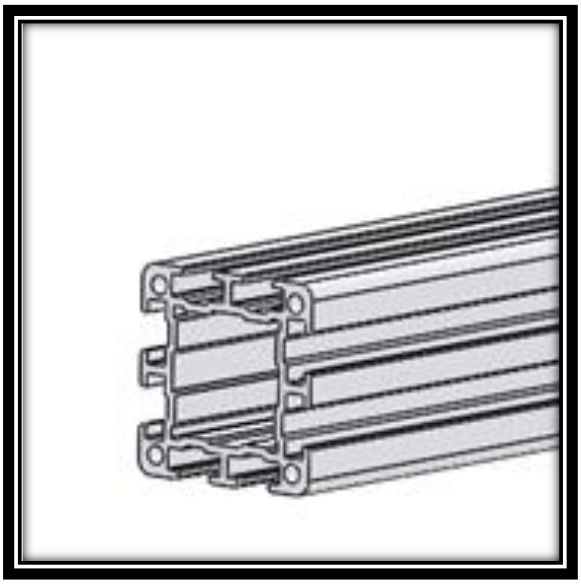
Typical Uses:
- Idler unit for PD60 Conveyors

Features:
- Spring loaded tensioner mechanism
- Removable guards for safety



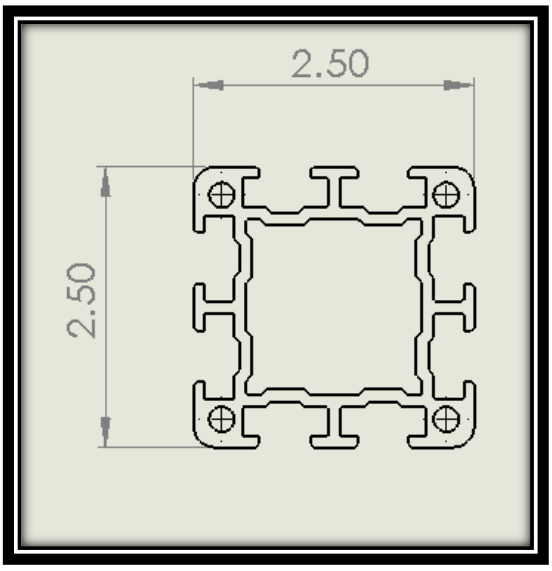
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D027222100	PD60 CONV, IDLER SIDE PLATE, LH	1
2	D027232100	PD 60 CONVEYOR, IDLER SIDE PLATE, RH	1
3	D027242100	PD60 CONV, IDLER, SPROCKET TENSIONER	1
4	D027252100	PD60 CONV, IDLER REFEED	1
5	D027262100	PD60 CONVEYOR, IDLER WEARSTRIP	1
6	D025011100	PD 60 CONVEYOR, IDLER SPROCKET ASS'Y	1
7	25C137KCS	SCREW, SOCKET HEAD CAP, 1/4"-20 X 1 3/8" LG.	1
8	25C225KCS	SCREW, SOCKET HEAD CAP, 1/4"-20 X 2 1/4" LG.	2
9	D027212100	PD 60 CONV, IDLER TENSION LOCKING WASHER	1
10	10FNNE	NUT, 10-32NF, NYLOC	1
11	10F50KFC	SCREW, FLAT HEAD CAP, #10-32 X 1.00" LG.	1
12	D027202100	PD 60 CONVEYOR, 1/4"-20 (2) HOLE J-STRIP	1
13	Spring Pin Slotted_AI		3
14	D027192100	PD60 CONV, DRIVE END GUARD	1
15	H010072100	HARDWARE, DOUBLE SQUARE NUT	2
16	H010012100	HARDWARE, T-BOLT, 3/4"	2
17	31CNNEFW	LOCKNUT, 5/16-18NC FLANGED	2
18	0.625		2

E0100501
2x2 Extrusion

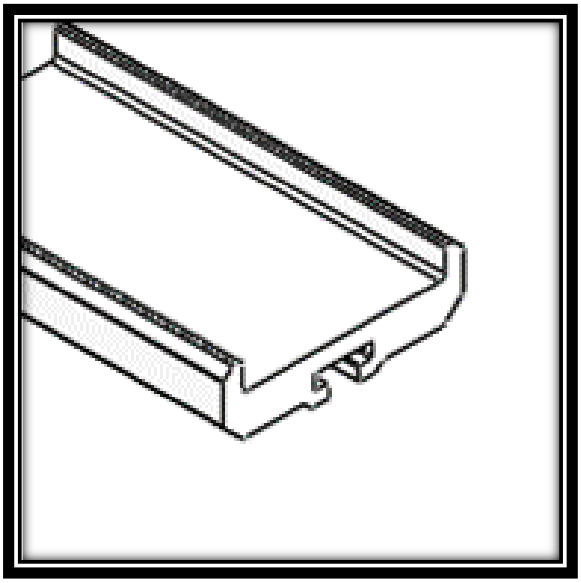


Typical Uses:
- Shaft cover for PD60 conveyor
- Supports and cross braces

Features:
- T-Slotted Extrusions for easy adjustment and accessories

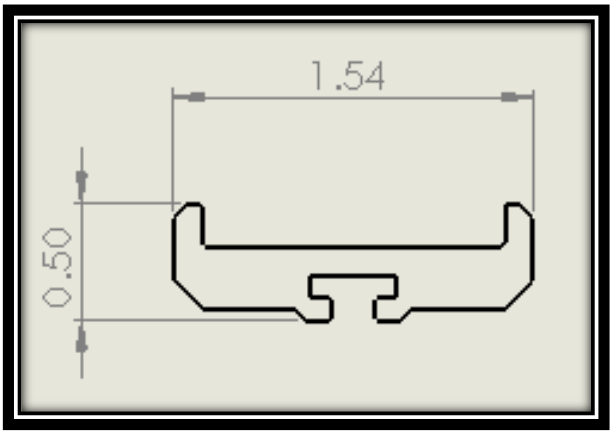


E050242100
PD60 Wear Strip (lower)

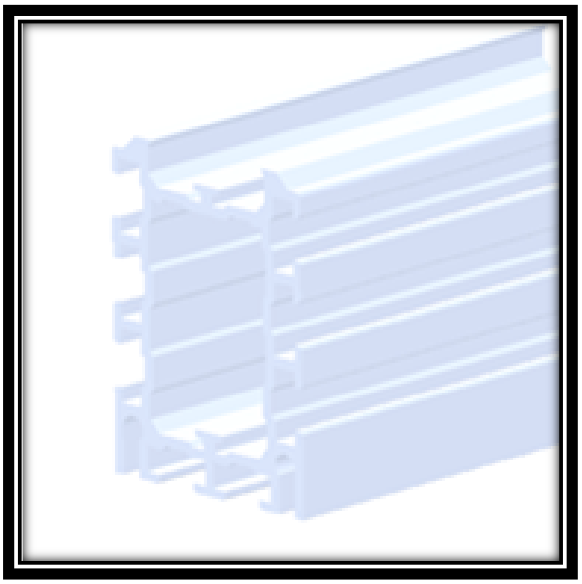


Typical Uses:
- Conveyor chain for PD60 Conveyor

Features:
- Steel base chain with extended pins
- Plastic chain cap to protect pallets

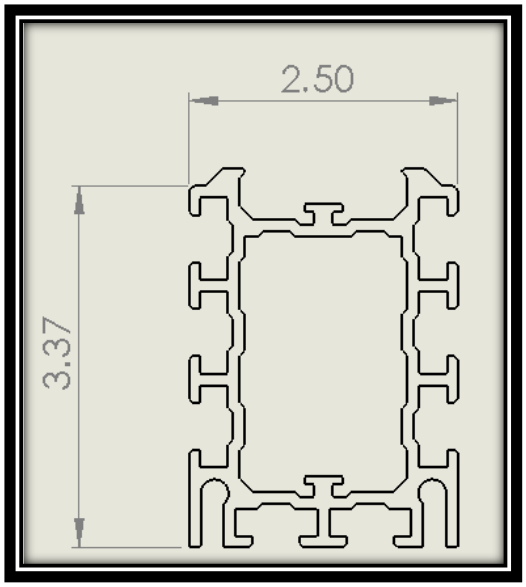


E160010100
PD60 Chain Beam

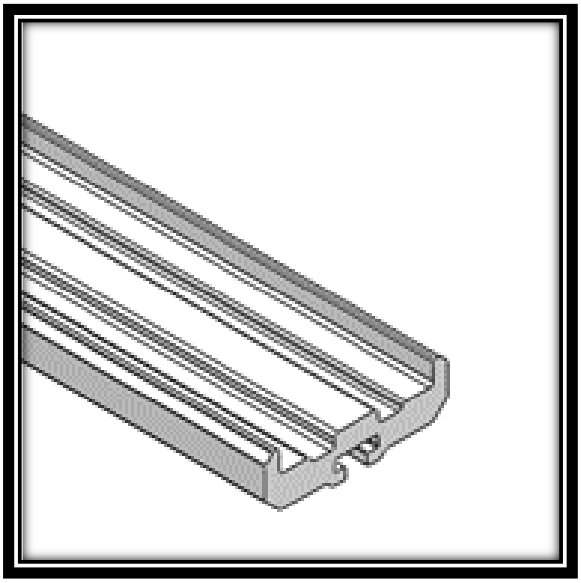


Typical Uses:
- Conveyor beam for PD60 conveyors

Features:
- T-Slotted Extrusions for easy adjustment and accessories
- Low profile sides allows easy access to chain master links.

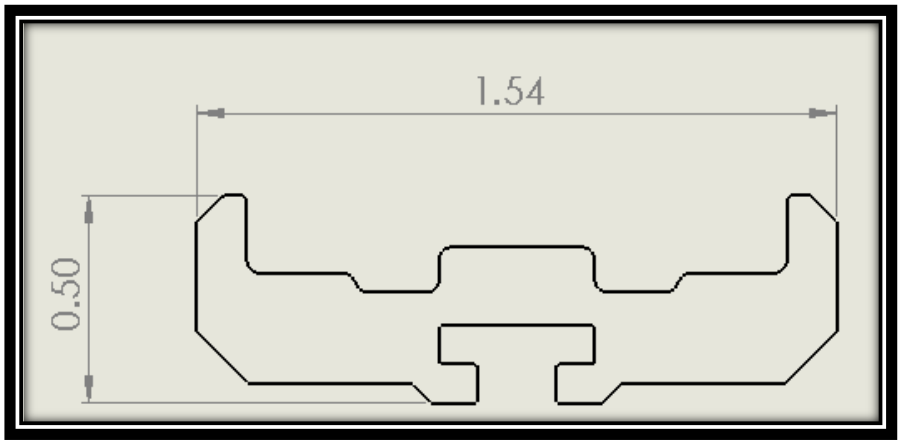


E167010100
PD60 Wear Strip (upper)

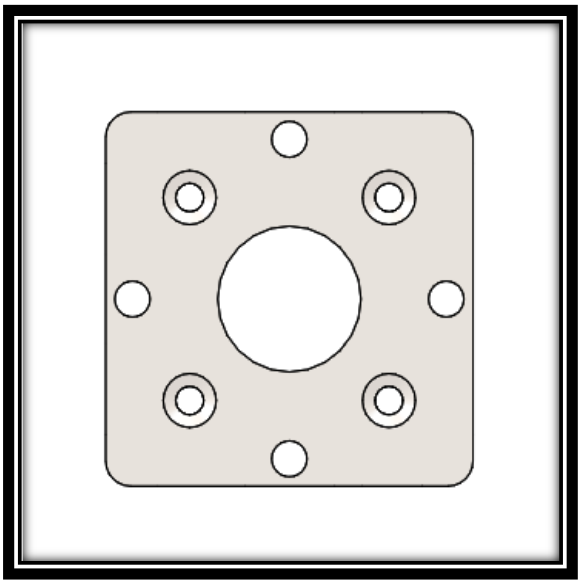


Typical Uses:
- Riding surface for chain

Features:
- Slides onto chain beam
- Made from UHMW which is a low friction surface for the chain to slide on



L0670121
2x2 Web Bracket*

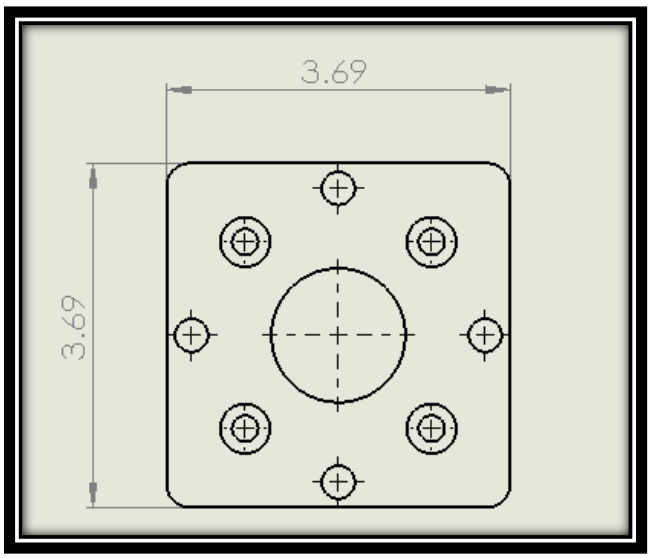


Typical Uses:

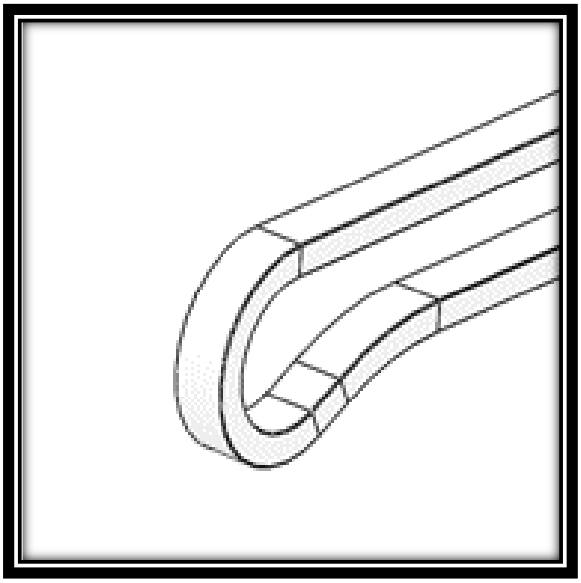
- Component can be utilized to mount a motor on the inside of a PD60 conveyor

Features:

- Allows extrusion profile to cover drive shaft

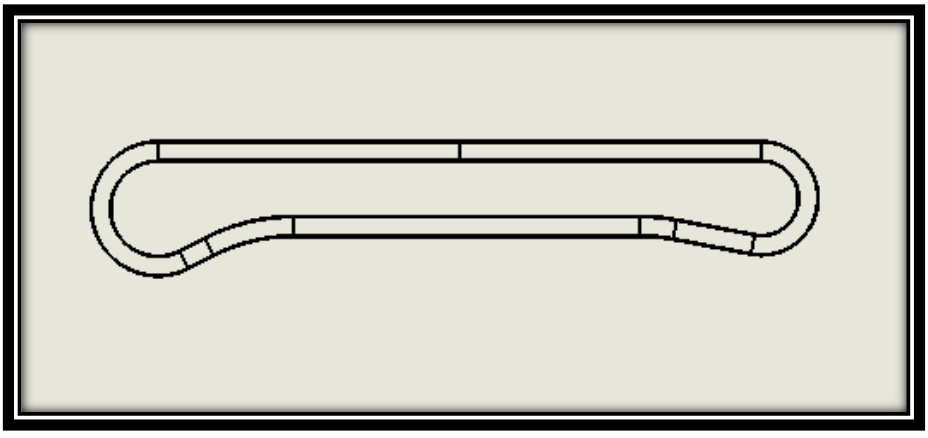


PD-60
PD60 Chain

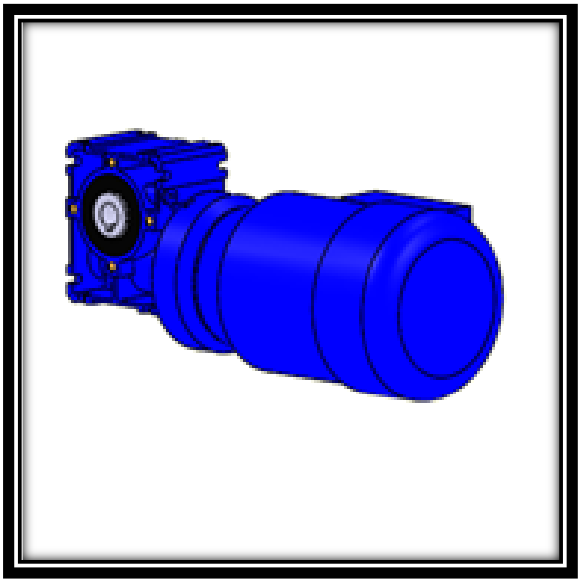


Typical Uses:
- Plastic conveyor chain for PD60 conveyor

Features:
- Made from Delrin low friction plastic
- Any of the pins can be removed to shorten the length of the chain

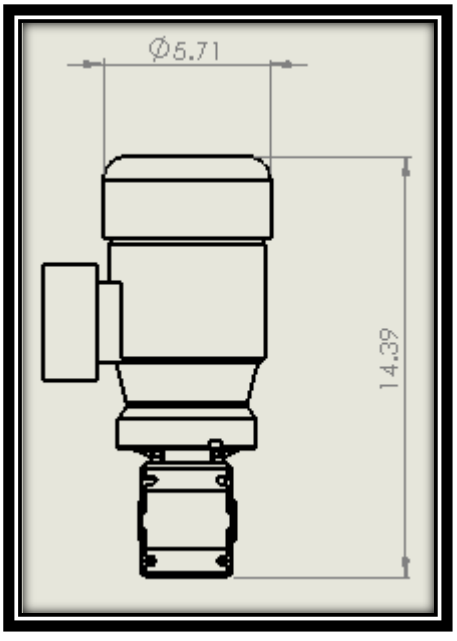


SK1SI40
Gear Motor



Typical Uses:
- Gear drive mechanism for PD60 Conveyors

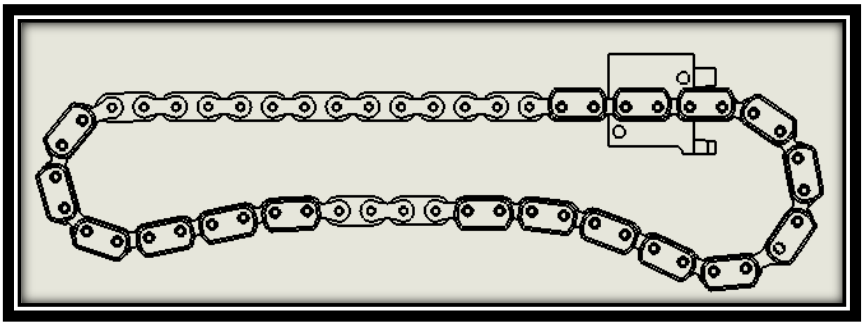
Features:
- 11/16 Hex bore
- Quick connect electrical connection



18X12C1700
60 Steel Chain with Plastic Cap

Typical Uses:
- Conveyor chain for PD60 Conveyor

Features:
- Steel base chain with extended pins
- Plastic chain cap to protect pallets



Systems Integration

Tekno provides systems integration services to clients for projects large and small. With over 25 years of experience in mainstream industry, both domestically and internationally, we have the proven know-how, expertise, and product familiarity to make your automated production systems a success. With internal design, assembly, machining, control panel configuration, and programming capabilities, Tekno offers a breadth and depth of services worthy of the world's finest manufacturing facilities.

Use Tekno's own Non-synchronous Conveyor System for Palletized Product Assembly & Conveyance:

Tekno Conveyor Systems

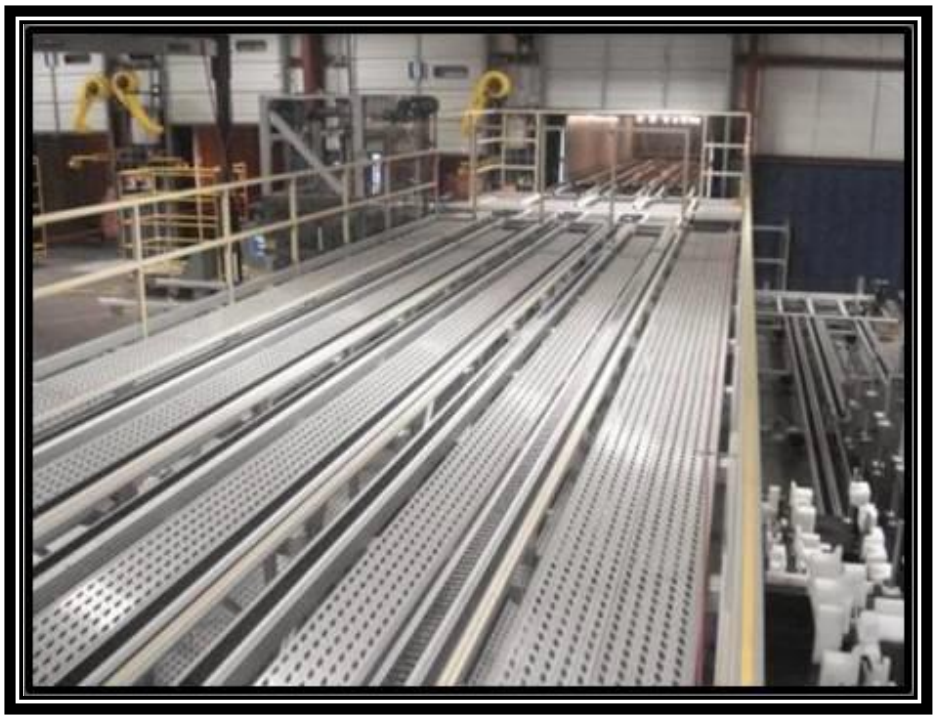
Tekno is an Original Equipment Designer and Manufacturer of a world class line of modular conveyor components. Tekno conveyors can handle a wide variety of product and carrier types, loads, sizes, and conveyance speeds. Tekno conveyors are extremely flexible in application, and they're re-configurable when production requirements change. Thousands of automated conveyance, assembly, and processing systems built from the well-established product lines have been fielded across North America and beyond.

Tekno Offers Turn-Key Manufacturing & Material Handling Systems Integration Services.

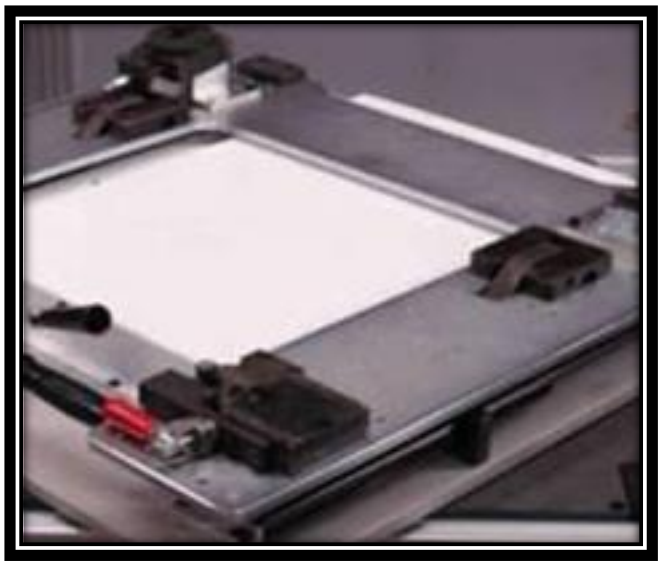
12-2 ADDITIONAL PRODUCTS & SERVICES

Stair Tread and Walkovers

Tekno's product line also allows you to design and build completely modular stair treads and walkovers for your application. Built of the highest quality extruded anodized aluminum, these structures provide lightweight, yet ultra sturdy platforms and staircases. Our tread plate material is designed with a premium on safety; our tread plates provide raised traction features. We also offer vented tread plate that allows dirt and other debris which accumulates to fall freely through the plate, virtually eliminating the risk of slippage. As is the case with any Tekno product, these structures possess incredible versatility and are easily configured/reconfigured for any
Application. Call us today for further information on our Walkovers and Stair Treads!



Custom Product Pallets



Tekno can design and build product carriers of almost any size, shape, and composition, to very close tolerances.

Tekno's in -house fabrication, machining and assembly capability can provide special fixtures, pallet electrification equipment, multiple-model corner and product support blocks, pallet-to-station locking methods, status flag, in -line product burn-in and testing features, corner rollers, UHMW-PE glide edging, stopper cutouts, and raised aluminum pedestals, Send your custom applications our way.

Check Out Tekno's Own Internal Custom Pallet Design, Fabrication, and Build Capabilities:

Special Machinery:

•Tekno's engineering, machining, fabrication,
•assembly, and documentation departments provide a wealth of capabilities in the creation and application of custom machinery.

•With specialists in conveyance, part fixturing, material flow, heat treatment, furnaces and ovens, vertical product lifts, brazing
•technology, manufacturing processes, in-line gauging, product inspection and testing, automation programming and robotic
•Applications.

•Tekno can handle many types of special equipment projects.

•Special machinery is pre-built in our facility, then tested, de-bugged, and run off for the customer prior to shipment and installation of the equipment. To help your operators and maintenance technicians better understand and care for your new machinery.

•Tekno also offers various levels of custom documentation and training packages.

Tekno's Skilled Engineers & Technicians Can Design, Fabricate, Build, and Install Equipment to Meet Your Needs: