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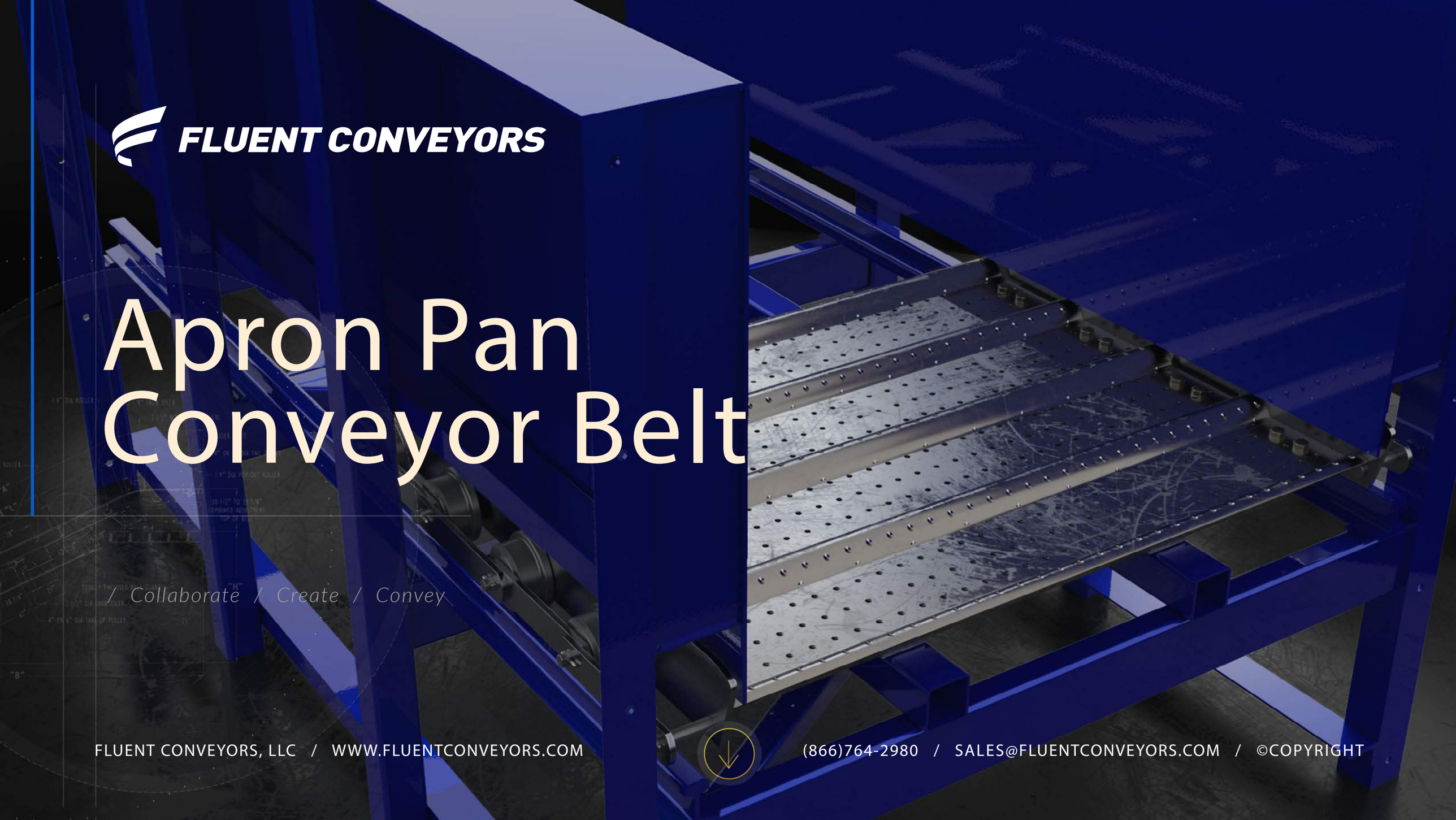
Apron Pan Conveyor Belt

/ Collaborate / Create / Convey



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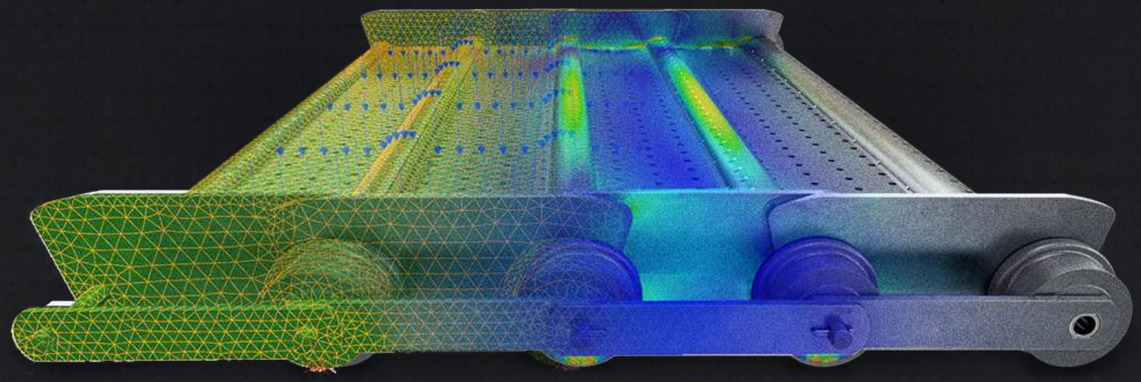
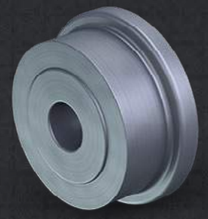
Apron Pan Replacement Conveyor Belts

Fluent Apron Pan conveyor belts are designed to make system maintenance as easy as possible. Made to be heavy-duty, high impact, high temperature resistant belts that is ideal to be used in recycling, slag handling, ferrous and non-ferrous, mixed solid waste, mining, foundry, sheared scrap, refuge, glass and many other robust and extreme applications. These are better suited with fines verses z-pans. These belts do all the heavy lifting.

Apron Pan belts come in 6-inch, 9-inch and 12-inch pitch options up to 108" wide. ¼" - ½" Thick Precision formed beaded apron style pans, precision die punched wings, single flanged and sintered steel rollers, solid locking pins and add-on options such as cleats, up-graded chain, C-channel backing, larger rollers and more. So you're never out of options.



Solutions / *Replacement Belt Parts*



Hardened Sintered Rollers

Assembled Apron Pan Section

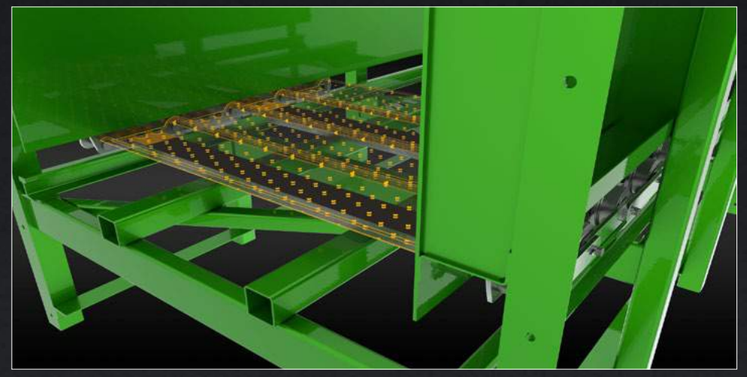
C1045 Precision Chain

Heavy Duty C-Channel Backing

¼" or ⅜" Thick Coped Angle Cleats

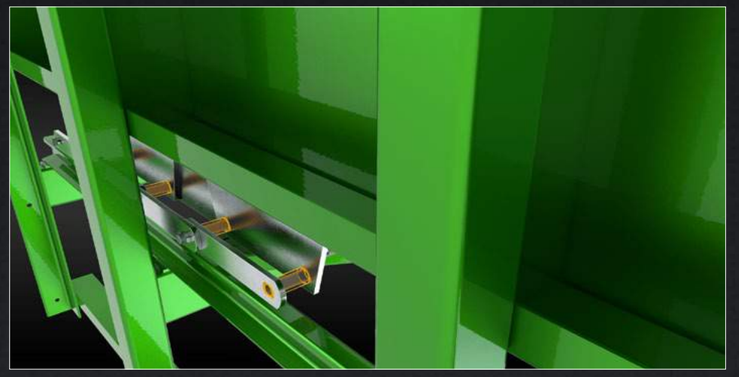
Key Features

- **HEAVY DUTY FORMED PANS**
- **SOLID MACHINED BUSHINGS**
- **OPTIONAL C-CHANEL REINFORCEMENT**
- **DOUBLE ROW SIDE BARS**
- FORMED PLATE SUPPORT ANGLE
- COTTER PINS
- HARDENED SINTERED STEEL
- EXTENDED INNER SIDE BAR STAGGARED
- HEADED STUB PINS
- HEAVY DUTY IMPACT PADS



Heavy Duty Formed Pans

High impact, durable formed pans to help increase longevity and decrease deformation. Fluent Conveyors offers ¼", 3/8" up to ½" custom formed apron pans. Max widths up to 120" wide.



Solid Machined Bushings

Low friction, increased life cycle .76 - 1.0 ID x 1.12-1.38 OD Long 1018 Solid, Machined Bushing. Carburized, hardened RC55-60, press fit into inner side bars.

Optional C-Channel Reinforcement

Cross rigid to increase load capacity on the pans and help absorb impact. C 3" x 5# up C 6" x 8.2# heavy duty channel every other pitch

Double Row Side Bars

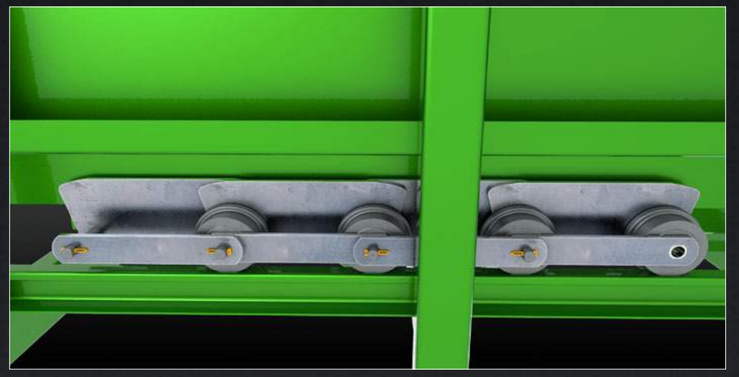
Increase strength, reduces failure points and offsets the chain pull. 2" x ¼" thick C1045 precision die-punched sidebar. Additions include 2x 3/8" thick and 2.5" x ½" thick

Key Features

- *HEAVY DUTY FORMED PANS*
- *SOLID MACHINED BUSHINGS*
- *OPTIONAL C-CHANEL REINFORCEMENT*
- *DOUBLE ROW SIDE BARS*
- ***FORMED PLATE SUPPORT ANGLE***
- ***COTTER PINS***
- ***HARDENED SINTERED STEEL***
- ***EXTENDED INNER SIDE BAR STAGGARED***
- *HEADED STUB PINS*
- *HEAVY DUTY IMPACT PADS*

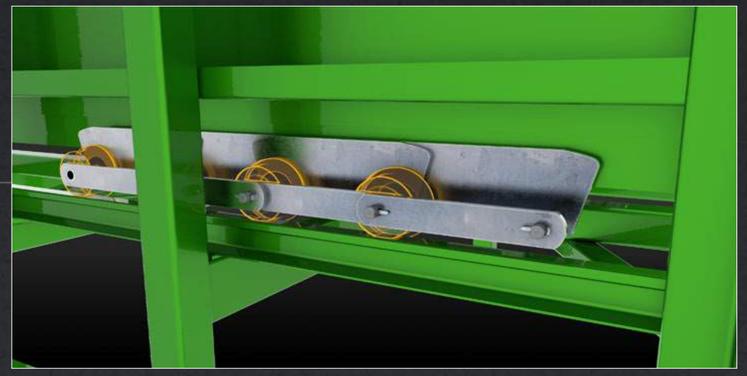
Formed Plate Support Angle

Pan mounting 3/8" thick angles to provide simple replacements of sections of belt.



Cotter Pins

Easy maintenance of chain and to secure the rods to the rollers. Optional solid locking pins.



Hardened Sintered Rollers

Increased wear, long lasting and reduction in friction. Flanged and hardened steel wheel in 2-1/16", 3", 3 ½", 4" and 5" diameter options.

Extended Inner Side Bar Staggered

Sealed protection to remove material flow to the chain and rollers. 4", 5" and 6" high precision die punched wing, 3/8" thick staggered wing style, wings are part of chain, 3/8" tab punched and welded to chain for attaching pans.

Key Features

HEAVY DUTY FORMED PANS

SOLID MACHINED BUSHINGS

OPTIONAL C-CHANEL REINFORCEMENT

DOUBLE ROW SIDE BARS

FORMED PLATE SUPPORT ANGLE

COTTER PINS

HARDENED SINTERED STEEL

EXTENDED INNER SIDE BAR STAGGARED

HEADED STUB PINS

HEAVY DUTY IMPACT PADS

Headed Stub Pins

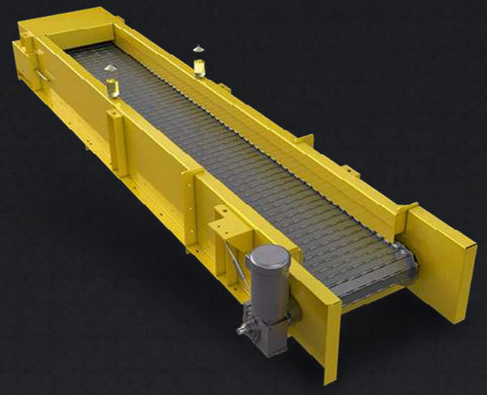
Seamless chain rotation and low friction during heavy loads. 4142 precision headed machined and heat-treated alloy pin. See options pages for all options. ¾" diameter up to 1" diameter pins to connect chain

Heavy Duty Impact Pads

Reduction in overall pan deflection to ensure longevity and maintain belt alignment. Custom number of rows, ¼", 3/8", ½" & 1" thick formed impact shoes every other pitch.

The Fluent Conveyor Product Family

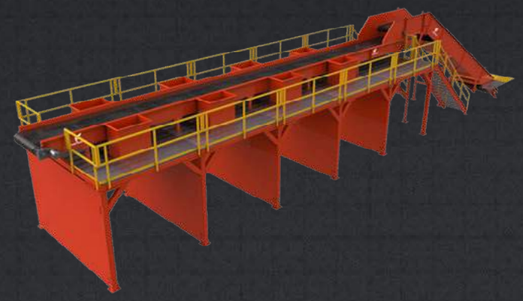
Roller Chain



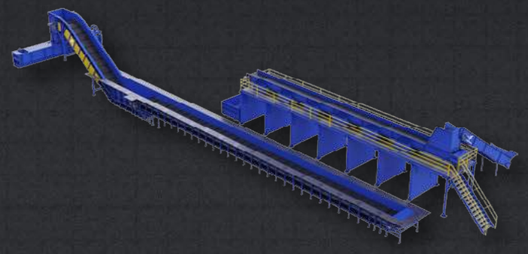
Light Duty Roller Chain Conveyors

Trough Idler Conveyors

Slider Bed Conveyors

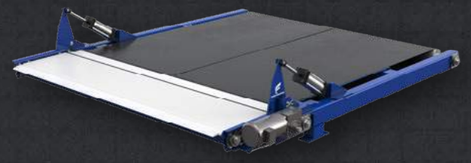


Standard Sort Systems



Custom Sort Systems

Package Handling Conveyors



Custom Conveyors

Technical Specifications & Belt Modification Options

Please note not all belts can be configured with each option.

Width Options	• 48″ • 60″ • 72″	• 84″ • 96″ • 108″	• Custom widths from 36″ up to 120″ width with all increments within that range.
Cleat Options	• 2″ • 3″	• 4″	• ¼″ – 3/8″ thick angle. • Flat bar cleats also available.
Pitch Options	• 6 Inch	• 9 Inch.	
Pan Thickness	• ¼″ thick	• 3/8″	• ½″
Side Wing Height	• 3″ • 4″	• 5″	• 6″
Chain Pull	• 6,000# • 9,000#	• 13,000# • 14,000#	• 25,000#
Side Bars Thickness	• 1/4″ • 3/8″	• 1/2″	
Hardened Bushing Sizes	• .76 up to 1.0 inside diameter x 1.12-1.38 outside diameter		
Pin Diameter Options	• 3/4″	• 1″	
Roller Diameter Options	• 2-1/16″ • 3 ½″	• 3″ • 4″	• 5″
Custom Modifications	C-channel, no wings, top impact pads, formed trapezoids, inverted angle (used for keeping hot material off the belt)		

Replacement Apron Pan Roller Chain Conveyor Belt

Step A: belt specs (see page 12)

1	Pan Thickness	inches	mm
2	Belt Width (Inside Sealing Wings)	inches	mm
3	Belt Width (Overall Width)	inches	mm
4	Roller Spacing	inches	mm
5	Belt Length	inches	mm

Step B: roller specs (see page 13)

6	Roller Diameter	inches	mm
7	Flange Roller Diameter (if Appplicable)	inches	mm
8	Roller Width	inches	mm
9	Overall Roller Width (Includes Flanged Roller)	inches	mm

Step C: side bar specs (see page 14)

10	Chain Pitch	inches	mm
12	Side Bar Width	inches	mm
13	Side Bar Thickness	inches	mm
14	Single Or Double Row	inches	mm

Step D: sealing wings specs (see page 15)

15	Sealing Wing Height	inches	mm
16	Sealing Wing Thickness	inches	mm

Step E: cleat specs (see page 16)

1	Height Of Cleat (Angle Iron Shown)	inches	mm
2	Thickness Of Cleat	inches	mm
3	Total Length	inches	mm
4	Offset From Sealing Wing	inches	mm

Step F: belt underside support specs (see page 17)

20	Support Type / Size (C-Channel Shown)	inches	mm
21	Support Spacing (Every Other Pitch Shown)	inches	mm
22	Support Length	inches	mm

Step G: belt underside support specs (see page 18)

23	Wear Pad Thickness	inches	mm
24	Wear Pad Quantity (Two Per Pitch Shown)	inches	mm
25	Wear Pad Spacing	inches	mm
26	Wear Pad Location	inches	mm
27	Wear Pad Size	inches	mm

APRON PAN BELT COMPONENT OVERVIEW

STEP E

CLEAT SPECS NEEDED (IF APPLICABLE):

16: HEIGHT OF CLEAT (ANGLE IRON SHOWN)
17: THICKNESS OF CLEAT
18: TOTAL LENGTH
19: OFFSET FROM SEALING WING

STEP D

SEALING WINGS SPECS NEEDED (IF APPLICABLE):

14: SEALING WING HEIGHT
15: SEALING WING THICKNESS

STEP C

SIDE BARS SPECS NEEDED:

10: CHAIN PITCH
11: SIDE BAR WIDTH
12: SIDE BAR THICKNESS
13: SINGLE OR DOUBLE ROW

STEP A

BELT SPECIFICATIONS

1: PAN THICKNESS
2: BELT WIDTH (INSIDE SEALING WINGS)
3: BELT WIDTH (OVERALL WIDTH)
4: ROLLER SPACING
5: BELT LENGTH

STEP B

ROLLER SPECS NEEDED

6: ROLLER DIAMETER
7: FLANGED ROLLER DIAMETER (IF APPLICABLE)
8: ROLLER WIDTH
9: OVERALL ROLLER WIDTH (INCLUDES FLANGED ROLLER)

STEP F

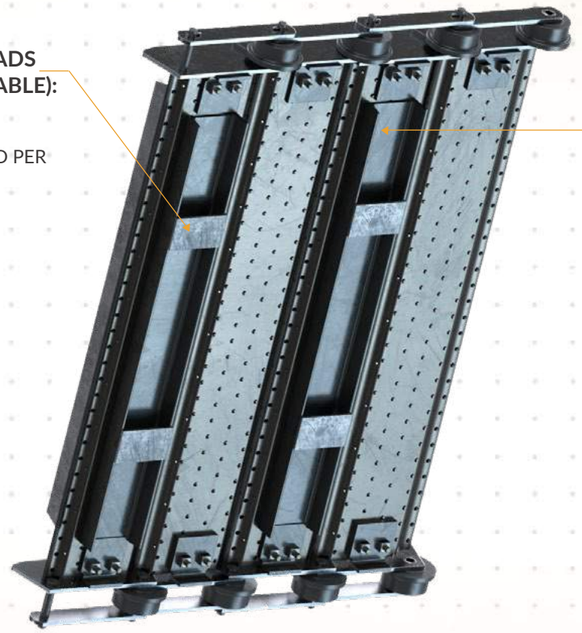
BELT UNDERSIDE SUPPORT SPECS NEEDED:

20: SUPPORT TYPE / SIZE (C-CHANNEL SHOWN)
21: SUPPORT SPACING (EVERY OTHER PITCH SHOWN)
22: SUPPORT LENGTH

STEP G

BELT UNDERSIDE WEAR PADS SPECS NEEDED (IF APPLICABLE):

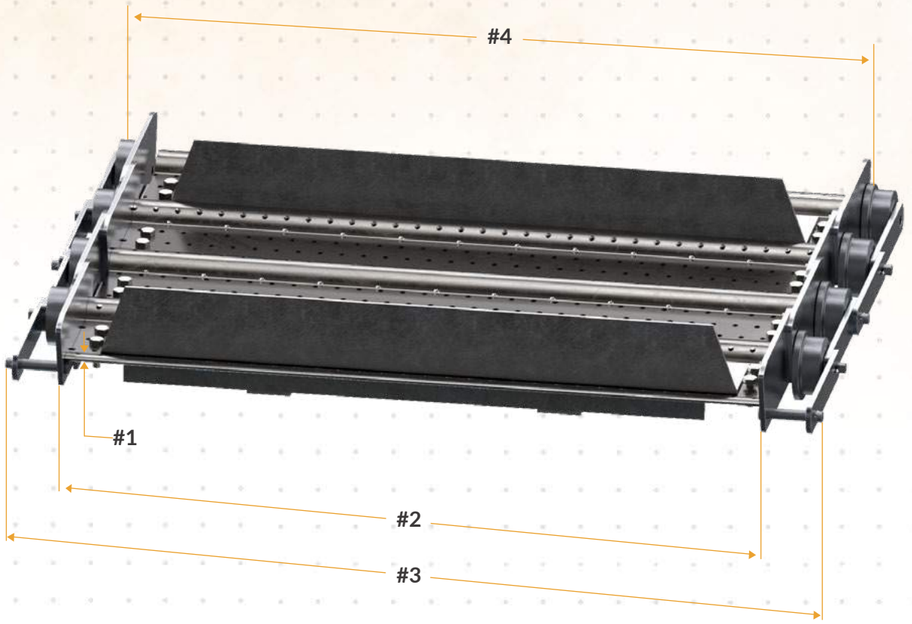
23: WEAR PAD THICKNESS
24: WEAR PAD QUANTITY (TWO PER PITCH SHOWN)
25: WEAR PAD SPACING
26: WEAR PAD LOCATION
27: WEAR PAD SIZE

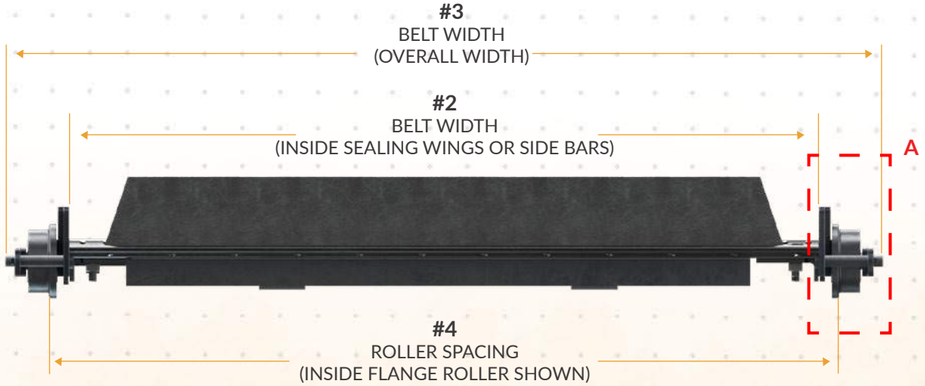


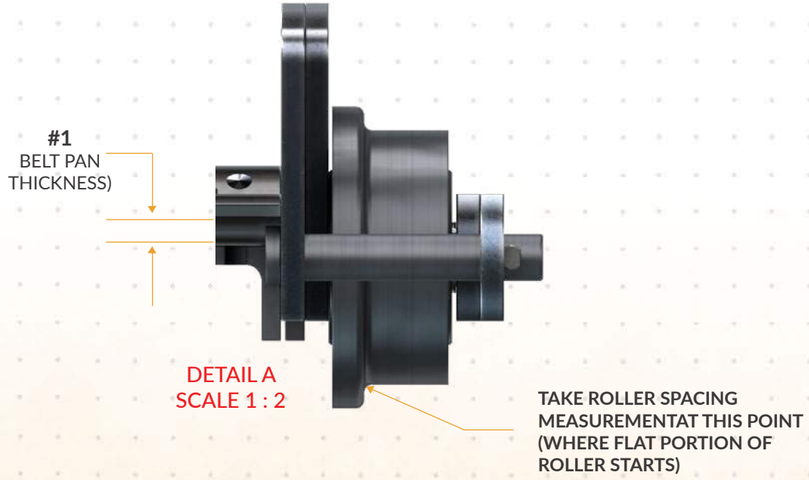
STEP A: BELT SPECS

BELT SPECS NEEDED:

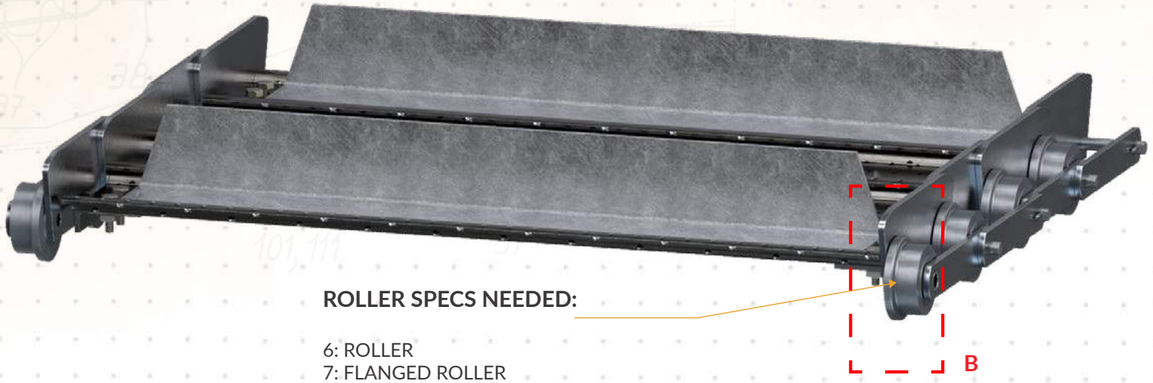
1: PAN THICKNESS
2: BELT WIDTH (INSIDE SEALING WINGS)
3: BELT WIDTH (OVERALL WIDTH)
4: ROLLER SPACING
5: BELT LENGTH







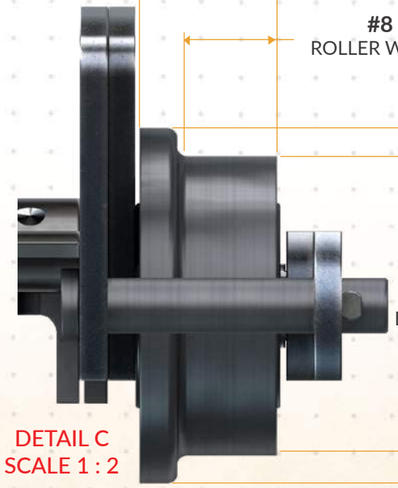
STEP B: ROLLER SPECS



ROLLER SPECS NEEDED:

6: ROLLER
7: FLANGED ROLLER
(IF APPLICABLE)
8: ROLLER WIDTH
9: OVERALL ROLLER WIDTH
(INCLUDES FLANGED ROLLER)

DETAIL B
SCALE 1 : 2



#9
OVERALL ROLLER
WIDTH

#8
ROLLER WIDTH

#6
ROLLER
DIAMETER

#7
FLANGED ROLLER
DIAMETER

DETAIL C
SCALE 1 : 2

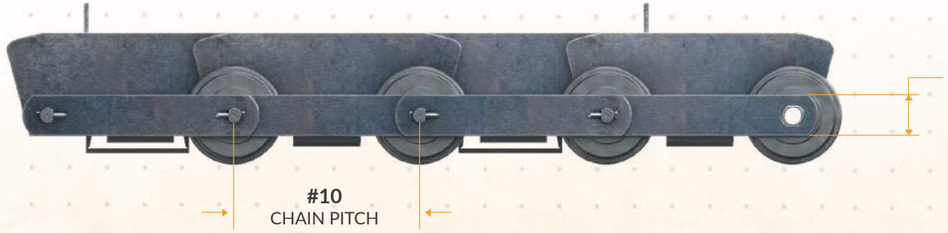
STEP C: SIDE BAR SPEC

D

SIDE BARS SPECS NEEDED:

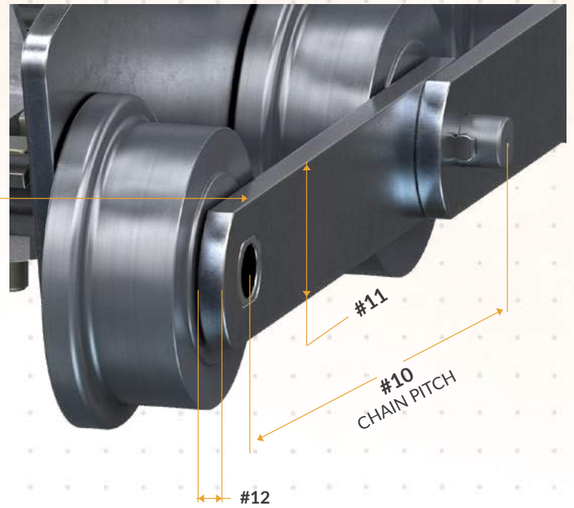
10: CHAIN PITCH
11: SIDE BAR WIDTH
12: SIDE BAR THICKNESS
13: SINGLE OR DOUBLE CHAIN ROW

E



#11
SIDE BAR
WIDTH

#10
CHAIN PITCH



#13
SINGLE ROW
SHOWN

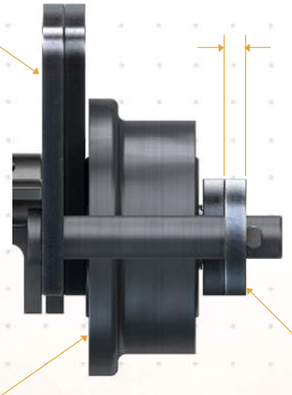
DETAIL D
SCALE 1 : 4

#11

#10
CHAIN PITCH

#12

***SEALING WINGS ARE NOT COUNTED AS DOUBLE CHAIN ROW**



#12
SIDE BAR
THICKNESS

***DOUBLE CHAIN ROW WOULD HAVE SECOND SET ON INSIDE OF ROLLERS (NOT SHOWN)**

#13
SINGLE CHAIN
ROW SHOWN

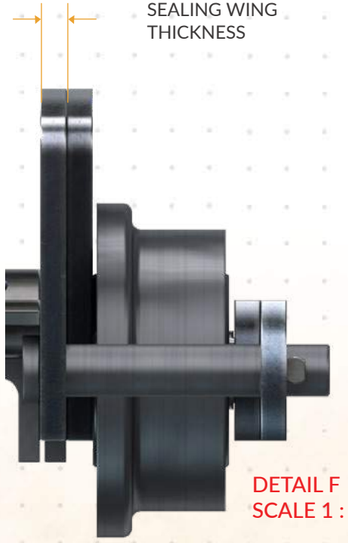
DETAIL E
SCALE 1 : 2

STEP D: SEALING WING SPECS

SEALING WINGS SPECS NEEDED (IF APPLICABLE):

14: SEALING WING HEIGHT
15: SEALING WING THICKNESS

#15
SEALING WING THICKNESS



DETAIL F
SCALE 1 : 2

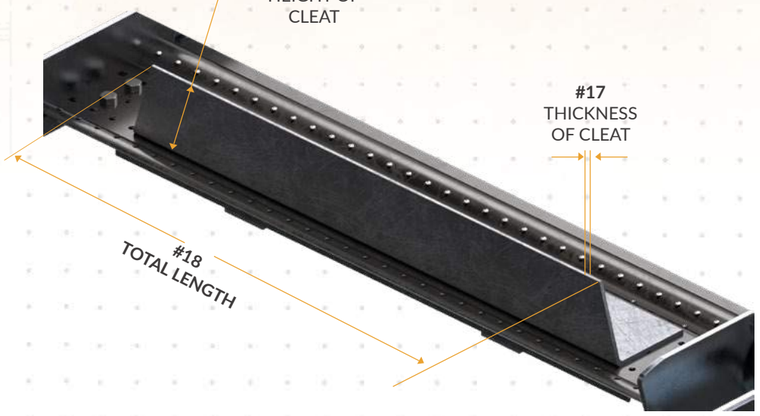
#14
SEALING WING HEIGHT (MEASURED FROM ROLLER CL)

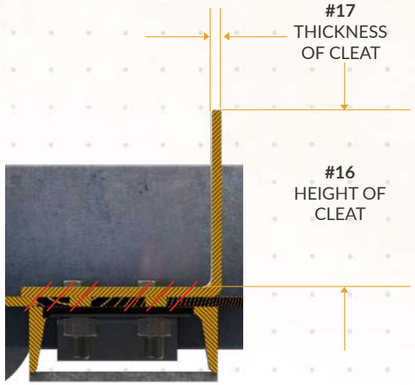
STEP E: CLEAT SPECS

CLEAT SPECS NEEDED (IF APPLICABLE):

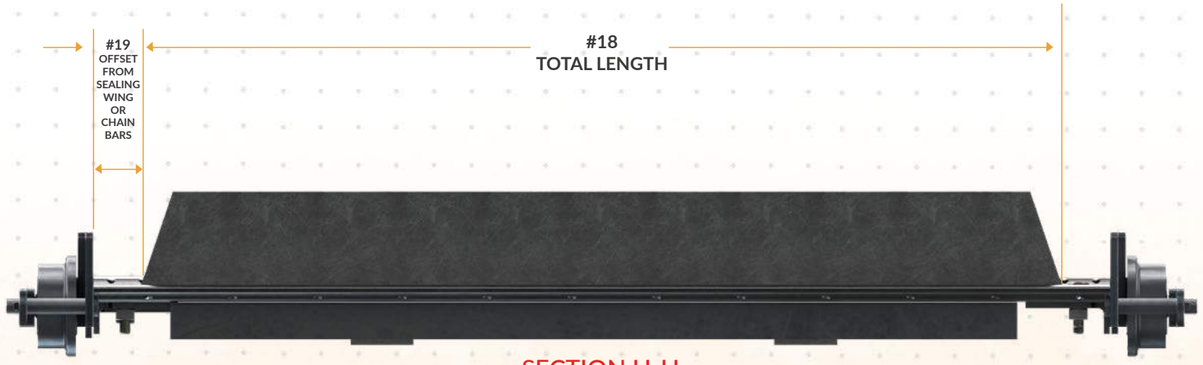
16: HEIGHT OF CLEAT (ANGLE IRON SHOWN)
17: THICKNESS OF CLEAT
18: TOTAL LENGTH
19: OFFSET FROM SEALING WING

DETAIL G
SCALE 1 : 6

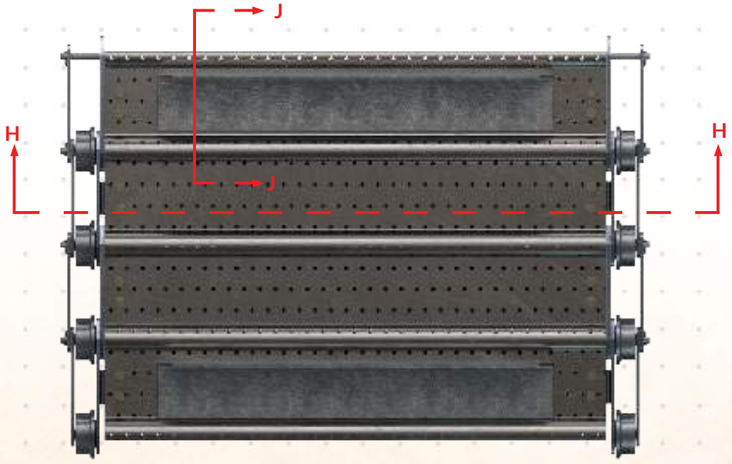




SECTION J-J
SCALE 1 : 3



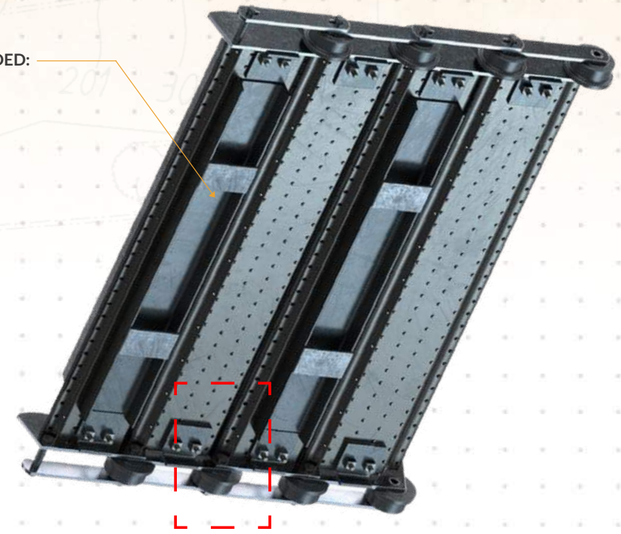
SECTION H-H
SCALE 1 : 5



STEP F: BELT UNDERSIDE SUPPORT SPECS

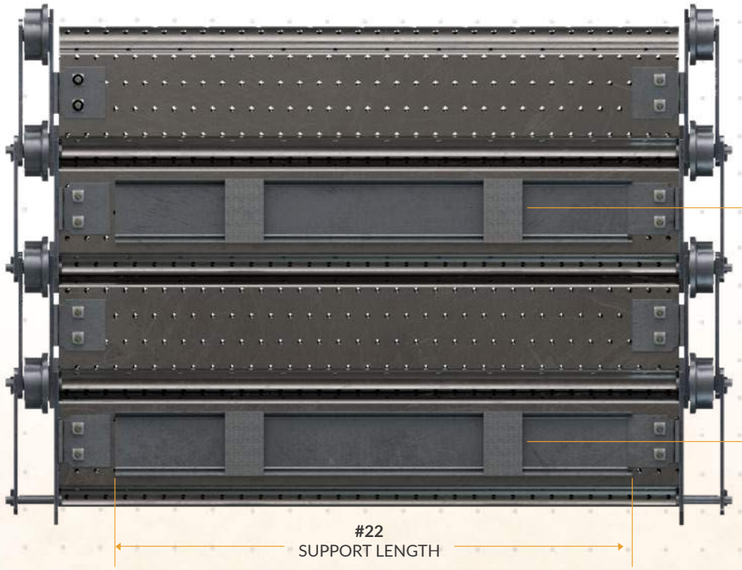
BELT UNDERSIDE SUPPORT SPECS NEEDED:

20: SUPPORT TYPE / SIZE
(C-CHANNEL SHOWN)
21: SUPPORT SPACING
(EVERY OTHER PITCH SHOWN)
22: SUPPORT LENGTH



DETAIL K
SCALE 1 : 3

#20
C-CHANNEL SHOWN
*COULD BE ANGLE IRON
OR FLAT BAR



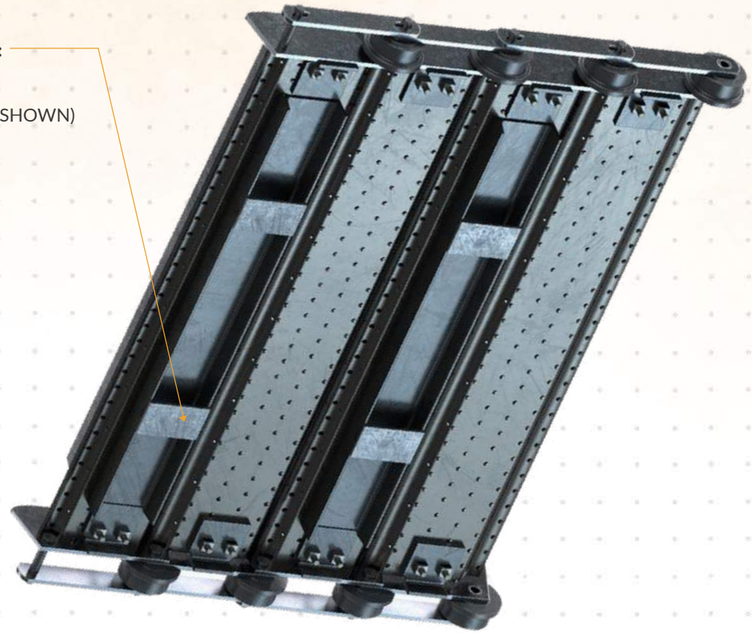
#21
SUPPORT SPACING
EVERY OTHER
CHAIN PITCH SHOWN

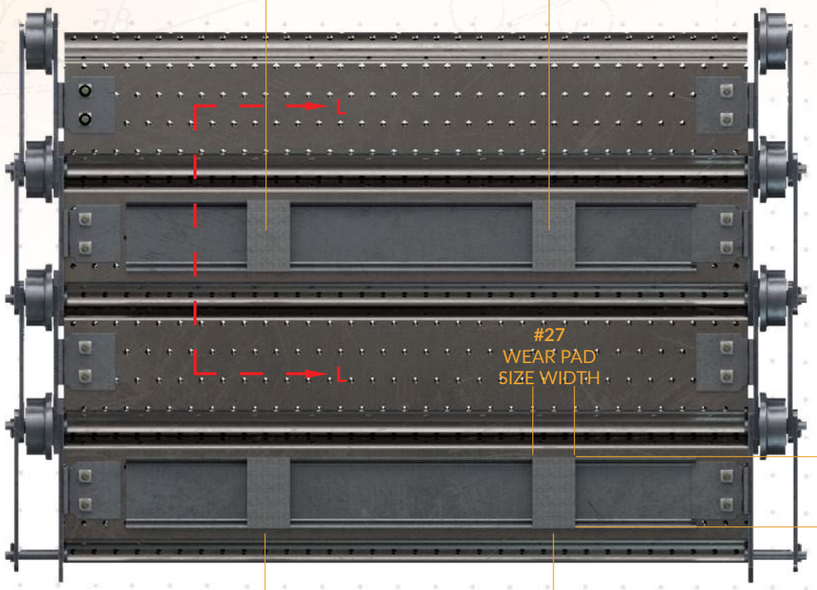
#22
SUPPORT LENGTH

STEP G: BELT UNDERSIDE SUPPORT SPECS

BELT UNDERSIDE SUPPORT SPECS NEEDED:

23: WEAR PAD THICKNESS
24: WEAR PAD QUANTITY (TWO PER PITCH SHOWN)
25: WEAR PAD SPACING
26: WEAR PAD LOCATION
27: WEAR PAD SIZE LENGTH & WIDTH



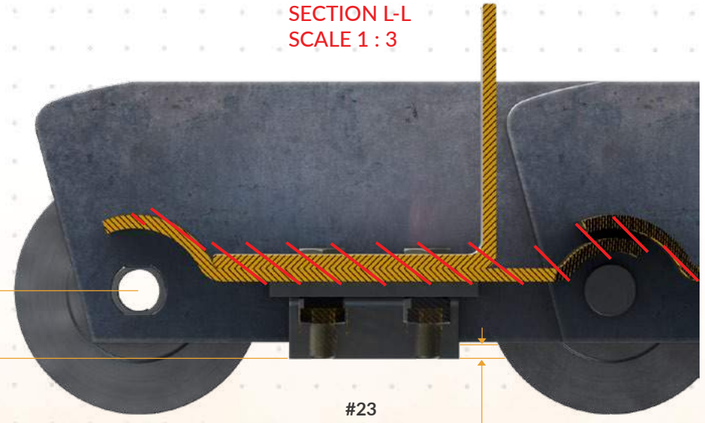


#24
WEAR PAD
QUANTITY

#27
WEAR PAD
SIZE LENGTH

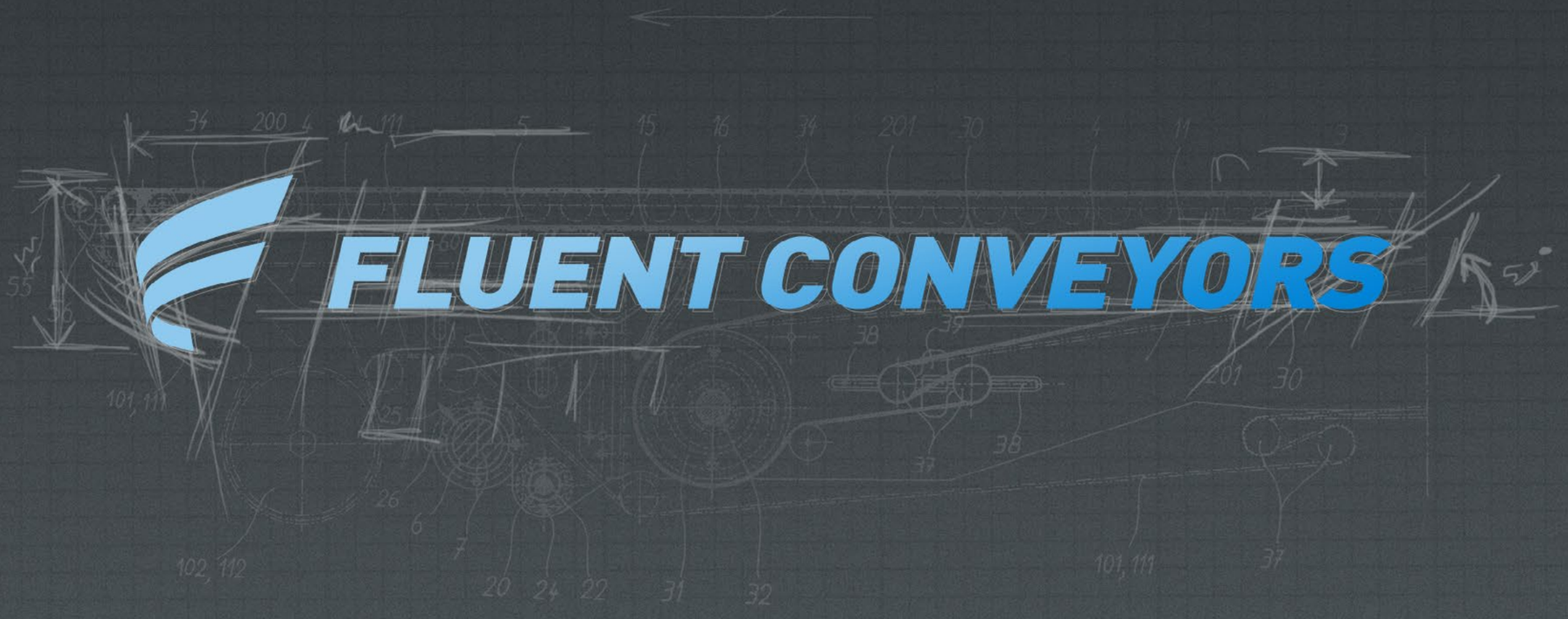
#25
WEAR PAD
SPACING
CL TO CL

SECTION L-L
SCALE 1 : 3



#26
WEAR PAD LOCATION
(FROM ROLLER CL TO BOTTOM
OF WEAR PAD)

#23
WEAR PAD
THICKNESS



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