# FLUENT CONVEYORS

# Pan Conveyor Belt

Create / Conv Collaborate

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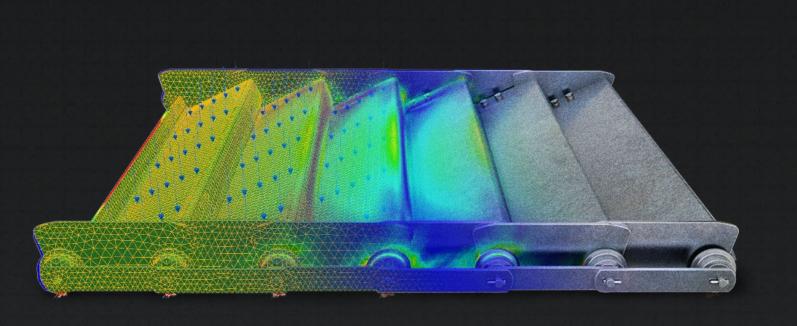
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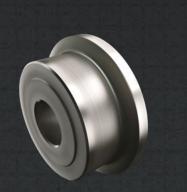
# Z Pan Replacement Conveyor Belts

Fluent Z-Pan conveyor belts are our heavy lifters. Created for smooth performance while carrying the brunt of a load. Making sure your operations stay flawless through years of the most intense conditions. Designed to be heavy-duty, high impact, high temperature resistant belting 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.

Z-Pan belts come in 6", 9" and 12" pitch options up to 108 wide. 1/4" - 1/2" Thick Precision formed Z style pans, precision die punched wings, single flanged and sintered steel rollers, solid locking pins and add-on options such as cleats, upgraded chain, larger rollers and more. Robust pieces designed with precision to last.



#### Solutions / Replacement Belt Parts



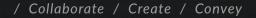
Hardened Sintered Rollers



Assembled Z-Pan Section



C1045 Precision Chain





#### <sup>1</sup>/<sub>4</sub>" or <sup>3</sup>/<sub>8</sub>" Thick Coped Angle Cleats

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#### Key Features

**HEAVY DUTY FORMED PANS** 

SOLID MACHINED BUSHINGS

**DOUBLE ROW SIDE BARS** 

FORMED PLATE ANGLES

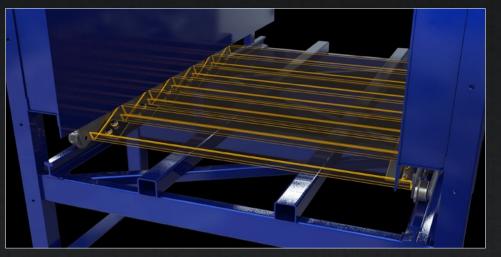
COTTER PINS

HARDENED SINTERED STEEL ROLLERS

**EXTENDED INNER SIDE BAR STAGGERED WINGS** 

HEADED STUB PINS

HEAVY DUTY FORMED IMPACT WEAR PADS



#### Heavy Duty Formed Pans

Fluent Conveyors offers  $\frac{1}{4}$ ",  $\frac{3}{8}$ " up to  $\frac{1}{2}$ " custom formed Z-Pans. Max widths up to 120" wide.

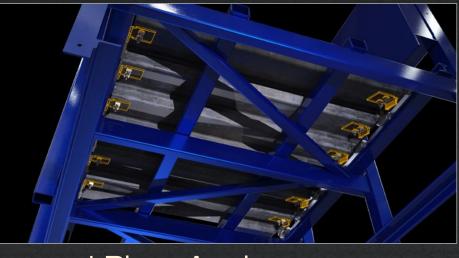
# Solid Machined Bushings

bars.

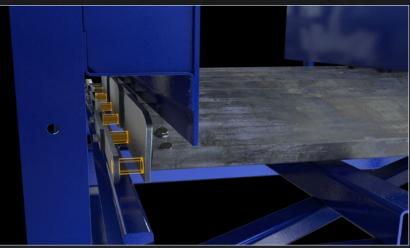


#### Double Row Side Bars

2" x ¼" thick C1045 precision die-punched Side Bars. Additions include  $\frac{3}{8}$ " thick and  $\frac{1}{2}$ " thick.



Pan mounting 3/6" thick angles to provide simple replacement of sections of belt.



0.76" - 1.0" ID x 1.12"-1.38" OD Long 1018 Solid, Machined Bushings. Carburized, hardened RC55-60, press fit into inner side

#### Formed Plate Angles

#### Key Features

HEAVY DUTY FORMED PANS

SOLID MACHINED BUSHINGS

**DOUBLE ROW SIDE BARS** 

FORMED PLATE ANGLES

**COTTER PINS** 

HARDENED SINTERED STEEL ROLLERS

**EXTENDED INNER SIDE BAR STAGGERED WINGS** 

**HEADED STUB PINS** 

HEAVY DUTY FORMED IMPACT WEAR PADS



Cotter Pins

Easy maintenance of chain and to secure the rods to the rollers.



options.



#### Extended Inner Side Bar Staggered

4", 5" and 7" high precision die punched wings, 3/8" thick staggered wing style, wings are part of chain, 3/8" tab punched and welded to chain for attaching pans.



# Hardened Sintered Steel Rollers

Flanged and hardened steel rollers in 3", 3-1/2", 4" and 5" diameter



## Headed Stub Pins

4142 precision headed machined and heat-treated alloy pins. See options pages for all options. 3/4" diameter up to 1" diameter pins to connect chain.

#### Key Features

HEAVY DUTY FORMED PANS

SOLID MACHINED BUSHINGS

DOUBLE ROW SIDE BARS

FORMED PLATE ANGLES

COTTER PINS

HARDENED SINTERED STEEL ROLLERS

EXTENDED INNER SIDE BAR STAGGERED WINGS

HEADED STUB PINS

= HEAVY DUTY FORMED IMPACT WEAR PADS



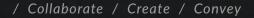
# Heavy Duty Formed Impact Wear Pads

Custom number of rows, 1/4", 3/8", 1/2" thick formed impact Wear Pads shoes every other pitch.

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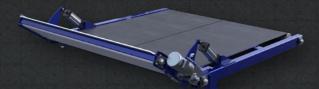
# The Fluent Conveyors Product Family







#### Slider Bed Conveyors



#### Custom Conveyors

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Please note not all belts (	can be configured with each option	n		
Width Options	• 48" • 60"	• 72" • 96" • 84"	<ul> <li>, • 108"</li> <li>• Custom widths from 36" up to 120" width wi Increments within that range.</li> </ul>	ith all
Cleat Options	• 2" • 3"	<ul> <li>4"</li> <li><sup>1</sup>/<sub>4</sub>" - <sup>3</sup>/<sub>8</sub>" Flat bar cleats</li> </ul>		· · · · · · · ·
Pitch Options	• 6"	• 9"	• 12".	
Z-Pan Thickness	<ul> <li>1/4"</li> <li>3/8"</li> </ul>	• 1/2"		
Side Wing Height	•3" •4"	• 5" • 7"		* * * * * * * *
Chain Pull	• 6,000# • 9,000#	• 13,000# • 14,000#	• 25,000#	
Side Bar Thickness	<ul> <li>1/4"</li> <li>3/8"</li> </ul>	• <sup>1</sup> / <sub>2</sub> "		
Hardened Bushing Sizes	●0.76"-1.0" ID x 1.12"-1.38" OD			
Pin Diameter Options	• 3/4"	• 1"	· · · · · · · · · · · · · · · · · · ·	
Roller Diameter Options	• 2-1/16" • 3"	• 3-1/2" • 4"	• 5"	
Custom Modifications	Flat Bar cleats, impact pads.			

#### Replacement Z Pan Roller Chain Conveyor Belt

#### Step A: Belt Specs (see page 12)

#### Step B: Roller Specs (see page 13)

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 C: Side Bar Specs (see page 14)

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13	Single Or Double Row					inches								mm

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# Step E: Cleat Specs (see page 16)

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	19	Offset From Sealing Wing	inches	-	a - 1	1.00			mm

#### Step F: Belt Underside Wear Pads Specs (see page 17)

20	Wear Pad Thickness	inches mi	m
21	Wear Pad Quantity (Two Per Pitch Shown)	inches mi	m
22	Wear Pad Spacing	inches mi	m
23	Wear Pad Location	inches mi	m
24	Wear Pad Size	inches mr	m

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#### **Z PAN 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 A**

#### **BELT SPECIFICATIONS NEEDED:**

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

20: WEAR PAD THICKNESS 22: WEAR PAD SPACING 23: WEAR PAD LOCATION 24: WEAR PAD SIZE

#### STEP C

SIDE BARS SPECS NEEDED:

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

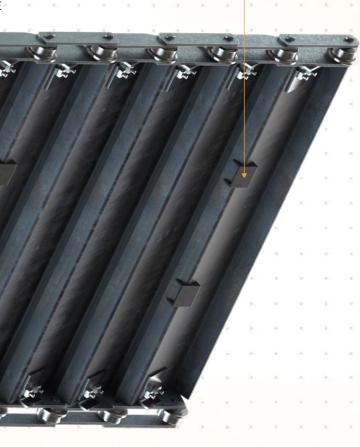
#### **STEP B**

#### **ROLLER SPECS NEEDED:**

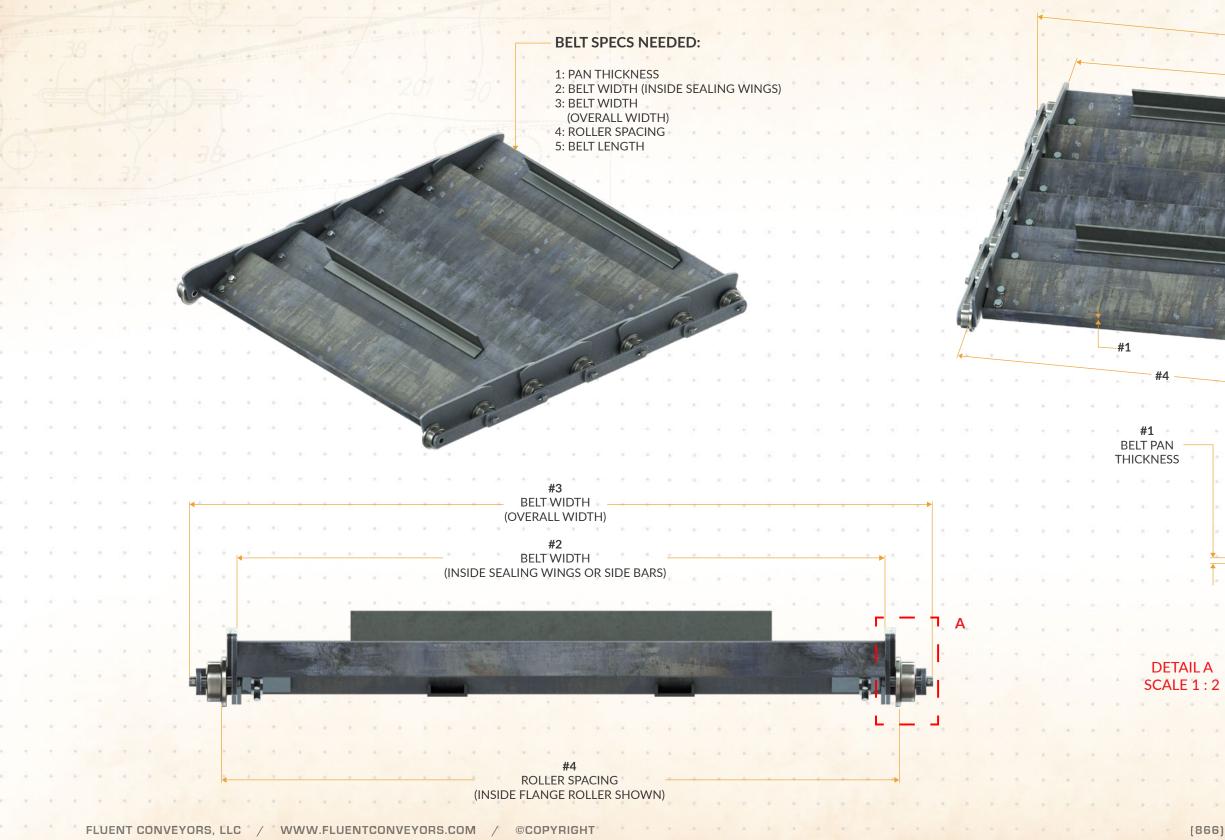
6: ROLLER DIAMETER 7: FLANGED ROLLER DIAMETER (IF APPLICABLE) 8: ROLLER WIDTH 9: OVERALL ROLLER WIDTH (INCLUDES FLANGED ROLLER)

#### BELT UNDERSIDE WEAR PAD SPECS NEEDED:

21: WEAR PAD QUANTITY (TWO PER PITCH SHOWN)





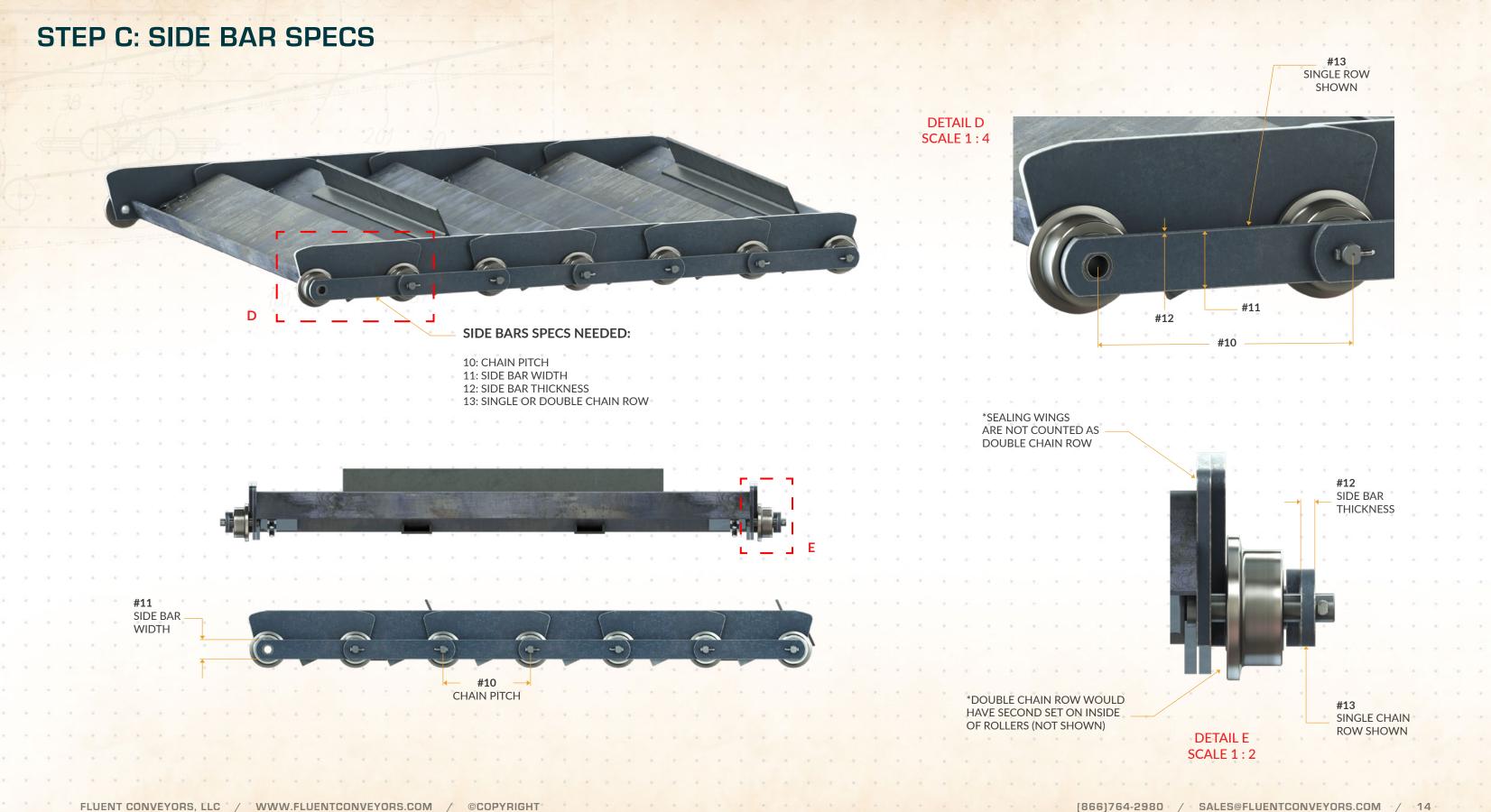


TAKE ROLLER SPACING MEASUREMENT AT THIS POINT (WHERE FLAT PORTION OF ROLLER STARTS)

# STEP B: ROLLER SPECS

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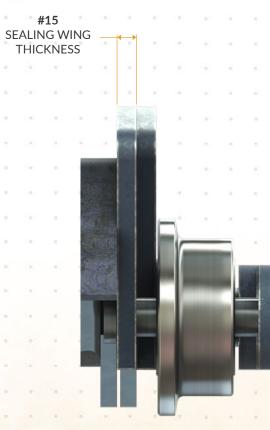
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## **STEP D: SEALING WING SPECS**

SEALING WINGS SPECS NEEDED (IF APPLICABLE):

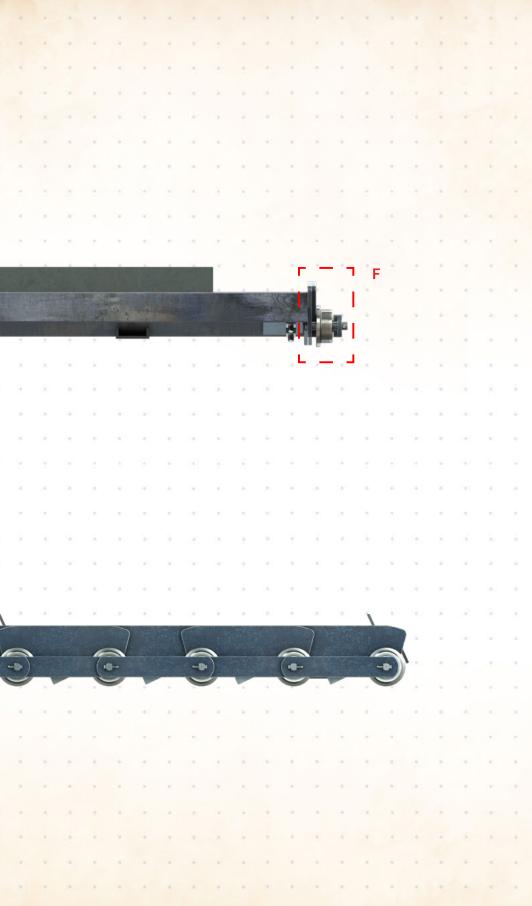
14: SEALING WING HEIGHT 15: SEALING WING THICKNESS



DETAIL F SCALE 1 : 2 (Ca

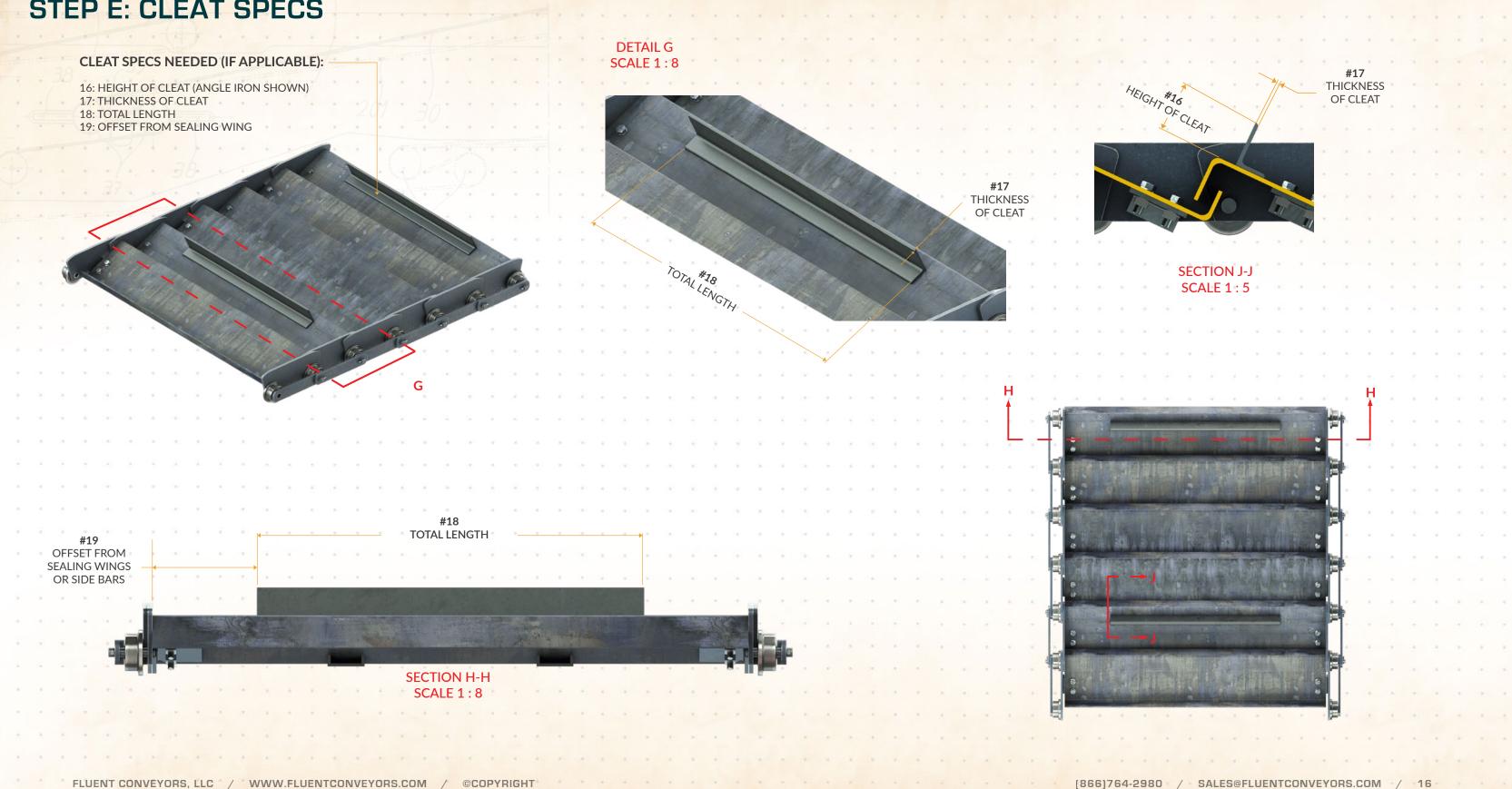
**#14** SEALING WING HEIGHT (MEASURED FROM ROLLER CL )

100



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# **STEP E: CLEAT SPECS**



[866]764-2980

# **STEP F: BELT UNDERSIDE WEAR PAD SPECS**



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