Rubber Combo Conveyor Belt
Rubber Combo Replacement Conveyor Belts

Fluent Rubber Combination conveyor belts are as heavy-duty as they come. These C-channel reinforced belts are the perfect mid-weight applications for processing cardboard, paper, old newspaper, plastics, shredded paper, and more.

Rubber combo belts come in 6-inch, and 9-inch pitch options up to 84” wide (optional larger). 2 Ply 220# and 3 Ply 330# belting, precision die punched wings, single flanged and sintered steel rollers, solid locking pins C-channel backing and add-on options such as cleats, upgraded chain, larger rollers and more. These belts deliver smooth operations time and time again.
**Key Features**

- **C-Channel Reinforcement**
  - C 3" x 5# up C 6" x 8.2# heavy duty channel every other pitch

- **Interlocking Side Wings**
  - 2-½" 3" & 4" high precision die formed interlocking off set wing 1/8" - 1/4" thick wing fully mig welded to the chain bar to prevent scrap build up.

- **Cotter Pins**
  - Easy maintenance of chain and to secure the rods to the rollers.
  - Solid locking pins available

- **Double Row Side Bars**
  - Standard 2" x ¼" thick C1045 precision die-punched sidebar.
  - Additions include 2" x 3/8" thick and 2.5" x ½" thick. 1.125" wide x 3/16" thick on the smaller pitches.
**Key Features**

- C-Channel Reinforcement
- Interlocking Side Wings
- Cotter Pins
- Double Row Side Bars

---

**Custom Angle Cleats**

1/4” or 3/8” thick angle cleats in 2”, 3” or 4” high options

---

**Solid Machined Bushings**

.50 - 1.0 ID x .69-1.38 OD Long 1018 solid, machined bushing. Carburized, hardened RC55-60, press fit into inner side bars.

---

**Heavy Duty Rubber 220- 330**

Fluent Conveyors 2 ply 220 up to 3 ply 330. Custom options available upon request. Max width without longitudinal splice is 84” wide.

---

**Heavy Duty Impact Pads**

Custom number of rows, 1/4”, 3/8”, 1/2” and 1” thick plate impact shoes every other pitch
Key Features

C-CHANNEL REINFORCEMENT
INTERLOCKING SIDE WINGS
COTTER PINS
DOUBLE ROW SIDE BARS
CUSTOM ANGLE CLEATS
SOLID MACHINED BUSHINGS
HEAVY DUTY RUBBER 22-330
HEAVY DUTY IMPACT PADS

HARDENED SINTERED STEEL ROLLERS

HEADED STUB PINS

Hardened Sintered Steel Rollers
Flanged and hardened steel rollers in 1 ¾", 2-1/16", 3", 3 ½", 4" and 5" diameter options.

Headed Stub Pins
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.
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.

<table>
<thead>
<tr>
<th>Width Options</th>
<th>12”</th>
<th>24”</th>
<th>60”</th>
<th>72”</th>
<th>108” (with longitudinal splice) and custom widths from 12” up to 120” width with all increments within that range. We can go up to 120” width with a longitudinal splice, otherwise 84” wide is max.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18”</td>
<td>36”</td>
<td>48”</td>
<td>60”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>60”</td>
<td>84”</td>
<td>108” (with longitudinal splice) and custom widths from 12” up to 120” width with all increments within that range. We can go up to 120” width with a longitudinal splice, otherwise 84” wide is max.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleat Options</td>
<td>1.5”</td>
<td>3”</td>
<td>¾” thick angle.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2”</td>
<td>4”</td>
<td>Custom options available per required specifications.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pitch Options</td>
<td>4 inch</td>
<td>6 Inch.</td>
<td>9 Inch.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rubber Thickness</td>
<td>2 Ply 220 up to 3 Ply 330</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Wing Height</td>
<td>2-1/2”</td>
<td>4”</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chain Pull</td>
<td>4,000#</td>
<td>9,000#</td>
<td>9,000#</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6,000#</td>
<td>13,000#</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Bar Thickness</td>
<td>3/16”</td>
<td>3/8”</td>
<td>1/2”</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/4”</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hardened Bushing Sizes</td>
<td>.50 up to 1.0 inside diameter x .69-1.38 outside diameter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pin Diameter Options</td>
<td>1/2”</td>
<td>¾”</td>
<td>1”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roller Diameter Options</td>
<td>1 ¾”</td>
<td>3</td>
<td>4”</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 1/16”</td>
<td>3 ½”</td>
<td>5”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Custom Modifications</td>
<td>No wings, longitudinal splice, optional 4 ply 440 thickness.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Replacement Rubber Combination Roller Chain Conveyor Belt

**Step A: belt specs (see page 12)**

<table>
<thead>
<tr>
<th></th>
<th>Specification</th>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Rubber Thickness</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>2-PLY OR 3-PLY IF KNOWN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Belt Width 'Inside Sealing Wings'</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>3</td>
<td>Belt Width 'Overall Width'</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>4</td>
<td>Roller Spacing</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>5</td>
<td>Belt Length</td>
<td>inches</td>
<td>mm</td>
</tr>
</tbody>
</table>

**Step B: roller specs (see page 13)**

<table>
<thead>
<tr>
<th></th>
<th>Specification</th>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Roller Diameter</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>7</td>
<td>Flange Roller Diameter 'If Applicable'</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>8</td>
<td>Roller Width</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>9</td>
<td>Overall Roller Width 'Includes Flanged Roller'</td>
<td>inches</td>
<td>mm</td>
</tr>
</tbody>
</table>

**Step C: side bar specs (see page 14)**

<table>
<thead>
<tr>
<th></th>
<th>Specification</th>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Chain Pitch</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>12</td>
<td>Side Bar Width</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>13</td>
<td>Side Bar Thickness</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>14</td>
<td>Single Or Double Row</td>
<td>inches</td>
<td>mm</td>
</tr>
</tbody>
</table>

**Step D: sealing wings specs (see page 15)**

<table>
<thead>
<tr>
<th></th>
<th>Specification</th>
<th>Units</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Sealing Wing Height</td>
<td>inches</td>
<td>mm</td>
</tr>
<tr>
<td>16</td>
<td>Sealing Wing Thickness</td>
<td>inches</td>
<td>mm</td>
</tr>
</tbody>
</table>
### Step E: cleat specs (see page 16)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Height Of Cleat ( \text{Angle Iron Shown} )</td>
<td>inches</td>
</tr>
<tr>
<td>2</td>
<td>Thickness Of Cleat</td>
<td>inches</td>
</tr>
<tr>
<td>3</td>
<td>Total Length</td>
<td>inches</td>
</tr>
<tr>
<td>4</td>
<td>Offset From Sealing Wing</td>
<td>inches</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Support Type / Size ( \text{C-Channel Shown} )</td>
<td>inches</td>
</tr>
<tr>
<td>7</td>
<td>Support Spacing ( \text{Every Other Pitch Shown} )</td>
<td>inches</td>
</tr>
<tr>
<td>8</td>
<td>Support Length</td>
<td>inches</td>
</tr>
</tbody>
</table>

### Step G: belt underside wear pads specs (see page 18)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wear Pad Thickness</td>
<td>inches</td>
</tr>
<tr>
<td>2</td>
<td>Wear Pad Quantity ( \text{Two Per Pitch Shown} )</td>
<td>inches</td>
</tr>
<tr>
<td>3</td>
<td>Wear Pad Spacing</td>
<td>inches</td>
</tr>
<tr>
<td>4</td>
<td>Wear Pad Location</td>
<td>inches</td>
</tr>
<tr>
<td>5</td>
<td>Wear Pad Size</td>
<td>inches</td>
</tr>
</tbody>
</table>
COMBO BELT COMPONENT OVERVIEW

**STEP A**
**BELT SPECIFICATIONS**
1. RUBBER THICKNESS: 2-PLY OR 3-PLY IF KNOWN
2. BELT WIDTH (INSIDE SEALING WINGS OR SIDE BARS)
3. BELT WIDTH (OVERALL WIDTH)
4. ROLLER SPACING
5. BELT LENGTH: 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 C**
**SIDE BARS SPECS NEEDED**
10. CHAIN PITCH
11. SIDE BAR WIDTH
12. SIDE BAR THICKNESS
13. SINGLE OR DOUBLE ROW

**STEP D**
**SEALING WINGS SPECS NEEDED**
14. SEALING WING HEIGHT
15. SEALING WING THICKNESS

**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 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: RUBBER THICKNESS - 2-Ply or 3-Ply if known
2: BELT WIDTH (INSIDE SEALING WINGS OR SIDE BARS)
3: BELT WIDTH (OVERALL WIDTH)
4: ROLLER SPACING
5: BELT LENGTH

#1 RUBBER BELT THICKNESS (2-Ply or 3-Ply if known)
#2 BELT WIDTH (INSIDE SEALING WINGS OR SIDE BARS)
#3 BELT WIDTH (OVERALL WIDTH)
#4 ROLLER SPACING (INSIDE FLANGE ROLLER SHOWN)

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

DETAIL A SCALE 1:2
STEP B: ROLLER SPECS

ROLLER SPECS NEEDED:

6: ROLLER DIAMETER
7: FLANGED ROLLER DIAMETER (IF APPLICABLE)
8: ROLLER WIDTH
9: OVERALL ROLLER WIDTH (INCLUDES FLANGED ROLLER)
STEP C: SIDE BAR SPEC

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

*SEALING WINGS ARE NOT COUNTED AS DOUBLE CHAIN ROW

DETAIL D
SCALE 1:4

DETAIL E
SCALE 1:2

DOUBLE CHAIN ROW SHOWN

SIDE BAR SPEC

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

SIDE BARS SPECS NEEDED:

#10 CHAIN PITCH

#11 SIDE BAR WIDTH

#12 SIDE BAR THICKNESS

#13 DOUBLE CHAIN ROW SHOWN

DOUBLE CHAIN ROW SHOWN

SEALING WINGS ARE NOT COUNTED AS DOUBLE CHAIN ROW

DETAIL D
SCALE 1:4

DETAIL E
SCALE 1:2

DOUBLE CHAIN ROW SHOWN

SIDE BARS SPECS NEEDED:
STEP D: 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

SECTION H-H
DETAIL G
SCALE 1 : 8

SECTION J-J
SCALE 1 : 3
STEP E: 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

*COULD BE ANGLE IRON OR FLAT BAR

#20
C-CHANNEL SHOWN

#21
SUPPORT SPACING
EVERY OTHER CHAIN PITCH SHOWN

#22
SUPPORT LENGTH

DETAIL K
SCALE 1 : 4
STEP F: BELT UNDERSIDE WEAR PAD 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
#23 WEAR PAD THICKNESS
#25 WEAR PAD SPACING CL TO CL
#27 WEAR PAD SIZE LENGTH
#27 WEAR PAD SIZE WIDTH
#26 WEAR PAD LOCATION (FROM ROLLER CL TO BOTTOM OF WEAR PAD)