

# Clipper® Hook Selection Guide



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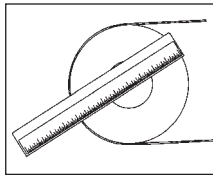
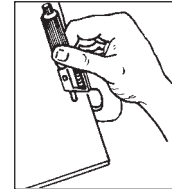


## Reliable, low cost, low profile splices

Clipper® wire hooks are an inexpensive, yet highly reliable solution for connecting conveyor belts. Unlike vulcanizing which requires hours of downtime for a highly skilled crew to vulcanize belts, Clipper splices can be easily installed on-site by one person with easy to operate tools. Selection of the proper fastener is easy, when the following steps are followed:

### Step 1:

Measure belt thickness. If belt has an impression cover, skive back 25mm.



### Step 2:

Measure smallest pulley that wraps the pulley at least 90°.

Minimum Pulley Diameter	Wire Diameter	Connecting Pin	Belt Thickness											
			1.2mm	1.6mm	2.4mm	3.2mm	4.0mm	4.8mm	5.6mm	6.4mm	7.1mm	7.9mm	9.0mm	10.0mm
24mm	0.6	1.7	25											
	0.6	1.7	UCM36SLXSP											
	0.9 x 0.7	1.7												
	0.9 x 0.7	1.7	UCM36SLSP											
	0.8	1.7												
51mm	0.9 x 0.7	1.7	30											
	0.9 x 0.7	1.7	UCM36SP											
	0.9 x 0.7	1.7	36SP											
	1	1.7	1XSP											
	1	1.7	UX1SP											
	0.9 x 0.7	1.7	UCM36											
	0.9 x 0.7	1.7	36											
	1	1.7	1SP											
	1	1.7												
	1	1.7	UX1											
76mm	1.4	2.4	U2SP											
	1.4	2.4	U2											
	1.4	2.4	2SP											
	1.4	2.4												
89 mm	1.4	2.4						3						
	1.4	2.4						U3						
102mm	1.4	2.8							4					
	1.4	3.2								4 1/2				
127mm	1.4	2.8							U4					
	1.4	3.2									5			
152mm	1.4	4.0										6		
	1.4	4.0										U6		
175mm	1.4	4.0											7	
	1.4	4.0											U7	

Reference only.  
See chart on back.

### Step 3:

Determine the possible choices.

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### Step 4:

Narrow options by selecting either carded or Unibar® offerings. Unibar hooks are formed by welding each hook to a wire, forming a continuous strip. Unibar fasteners are easier to handle and install. The finished splice is flat and the individual hook legs are parallel which makes meshing of belt ends and pin insertion easy.



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### Step 5:

If multiple sizes of hooks are still available, select the fastener based on the wire diameter which would be appropriate for your application.

#### Smaller Diameter:

- Less noise as the splice contacts conveyor components.
- Less wear on conveyor components.

#### Larger Diameter:

- Added fastener strength.
- Added abrasion resistance.



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# Clipper® Hook Selection Chart

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			1.2mm	1.6mm	2.4mm	3.2mm	4.0mm	4.8mm	5.6mm	6.4mm	7.1mm	7.9mm	9.0mm	10.0mm
24mm	0.6	1.7	25											
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	0.9 x 0.7	1.7		UCM36SP										
	0.9 x 0.7	1.7		36SP										
	1	1.7		1XSP										
	1	1.7		UX1SP										
	0.9 x 0.7	1.7			UCM36									
	0.9 x 0.7	1.7			36									
	1	1.7			1SP									
	1	1.7				1								
	1	1.7				UX1								
	1.4	2.4				U2SP								
	1.4	2.4				U2								
76mm	1.4	2.4				2SP								
	1.4	2.4					2							
89 mm	1.4	2.4						3						
	1.4	2.4						U3						
102mm	1.4	2.8							4					
	1.4	3.2								4 1/2				
127mm	1.4	2.8							U4					
	1.4	3.2									5			
	1.4	3.2									U5			
152mm	1.4	4.0										6		
	1.4	4.0										U6		
175mm	1.4	4.0											7	
	1.4	4.0											U7	

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## Fastener Material Characteristics

Metal	Abrasion Resistance	Chemical Resistance	Rust Resistance	Available Hook Sizes
Galvanized	Good	Poor	Good	25, 1, 2-7
Coated Steel	Good	Poor	Poor	U2-U7
High Tensile Steel	Good to Excellent	Fair	Good	1, 2-7
Rectangular High Tensile Steel	Good to Excellent	Fair	Good	4-1/2
430 Stainless Steel	Good	Fair to Good	Good	1, 2-7, UX1, U2-U7
316L Stainless Steel	Good	Good to Excellent	Excellent	All



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