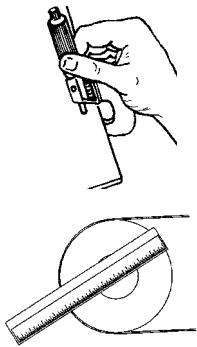




## CLIPPER® Hook Selection Guide

### 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 these steps are followed:



#### Step 1:

Measure belt thickness. If belt has an impression cover, skive back 1" (25mm).

#### Step 2:

Measure diameter of the smallest pulley where the belt wraps around the pulley at least 90°.

#### Step 3:

Using the selection chart (see back), determine the possible hook choices. In most instances there will be multiple hooks which meet the belt thickness and minimum pulley criteria. Use Steps 4 and 5 to find the hook which best fits your needs.

#### 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.

#### 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.



# CLIPPER®

## Hook Selection Guide

Fastener and Pin Size Selection Chart														
Minimum Pulley Diameter	Wire Diameter		Belt Thickness											
			Up to 3/64" .047"	1/16" .063"	3/32" .093"	1/8" .125"	5/32" .156"	3/16" .188"	7/32" .219"	1/4" .250"	9/32" .281"	5/16" .313"	11/32" .343"	25/64" .390"
	in.	mm	1.2 mm	1.6 mm	2.4 mm	3.2 mm	4.0 mm	4.8 mm	5.6 mm	6.4 mm	7.1 mm	7.9 mm	9.0 mm	10.0 mm
15/16" 24mm	.025"	0.6	25SP*											
	.025"	0.6	25*											
	.036" x .027"	0.9 x 0.7	UCM36SL XSP											
	.036" x .027"	0.9 x 0.7		UCM36SL SP										
2" 51mm	.036" x .027"	0.9 x 0.7	UCM36 XSP											
	.036" x .027"	0.9 x 0.7		UCM36 SP*										
	.036" x .027"	0.9 x 0.7		36 SP*										
	.040"	1.0		1 XSP*										
	.040"	1.0			UX-1 SP*									
	.036" x .027"	0.9 x 0.7			UCM36*									
	.036" x .027"	0.9 x 0.7			36*									
	.040"	1.0			1 SP*									
	.036" x .027"	0.9 x 0.7				UCM36 LP*								
	.040"	1.0				1*								
	.040"	1.0				UX-1*								
	.054"	1.4				U2 SP								
	.054"	1.4				2SP								
	3" 76mm	.054"	1.4						U2					
.054"		1.4						2						
4" 102mm	.054"	1.4							3					
	.054"	1.4							U3					
	.054"	1.4								4				
5" 127mm	.054"	1.4								U4				
	.054"	1.4									4½			
	.054"	1.4										5		
6" 152mm	.054"	1.4										U5		
	.054"	1.4											6	
7" 175mm	.054"	1.4												7
	.054"	1.4												U7

Carded Unibar®

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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