



Choosing the Right Bird Netting Hardware



When planning a bird netting installation it is crucial that you have the proper hardware for the job. Part of the planning process is to determine exactly what hardware you need. In this guide you will learn how to choose the correct hardware for every type of bird netting installation you may encounter.

Determine the type of hardware to use:

The first step is to determine if you will use stainless steel or galvanized hardware for your bird netting installation. It is important that you use either all stainless or all galvanized hardware, mixing the two may cause the materials to degrade with time and damage the bird netting installation.

Stainless Steel: Use all stainless steel hardware when the bird netting installation is exposed to high humidity or sea air. Jobs near the ocean or in foggy areas will last longer when stainless steel hardware is used.

It is important to use stainless steel in areas that are in close proximity to salt water, especially areas of:

- ◆ High humidity
- ◆ Significant rain
- ◆ Salt moisture carried by wind
- ◆ Higher temperatures. Galvanic corrosion rates can double for every 20-degree increase in temperature.

Galvanized: Use galvanized hardware in dryer cooler climates where salty sea air is not an issue. It has also been determined that industrial environments, with high sulfide and phosphate contents in the air, can cause aggressive corrosion to galvanized materials.

Walk the perimeter of the job:

When planning your bird-netting job, be sure to walk the perimeter of the job to determine what materials the bird netting will be attached to. This is a very important step in the planning process. The different building materials that you will be attaching netting to may need different types of hardware or attachments to secure the netting to the building.

Examples of materials you might find at your jobsite:

- ◆ Wood
- ◆ Sheetrock
- ◆ Steel (girders & I-beams)



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Straining Wire:

There are two sizes of straining wire to choose from; 3/32" and 1/16". It is best to use the 3/32" straining wire for jobs netting runs over 50' in length; use the 1/16" straining wire for runs less than 50' in length.


You must choose the proper type of straining wire for the job. If you are using stainless steel hardware, choose the stainless steel straining wire. Use galvanized straining wire for galvanized hardware.

Straining Wire	Size	Description
	3/32" (2.38 mm) For jobs OVER 50' in length	A perimeter cable to support your netting installation Use galvanized cable for normal areas of installation
	1/16" (1.59 mm) For on jobs UNDER 50' in length	Use 316 grade stainless steel cable for areas near salt water, chemicals, etc.

Ferrules:

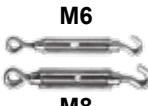
Choose the right ferrules for the size and type of straining wire that you will be using for your bird netting installation.

Ex. If you choose to use 3/32" galvanized straining wire, choose 3/32" aluminum ferrules.

Fasteners	Item	Description
	Ferrules Used to clamp down and secure your straining wire at the ends.	Use aluminum ferrules with galvanized cable Use copper ferrules with stainless steel cable For use with Bird Net Ratchet Crimp Tool (pg. 21)

Turnbuckles:

Choosing the right turnbuckles is crucial to a good bird netting installation. The turnbuckles endure a lot of stress in the cable system that is installed to hold the netting. If you use too small of a turnbuckle the whole bird netting system can be compromised. Again it is important to choose the correct type of turnbuckle to match the rest of the hardware you are using. Use stainless steel turnbuckles with stainless steel net cable and galvanized turnbuckles with galvanized wire.

Fasteners	Item	Description
	Turnbuckles Used to tighten straining wire to prevent sagging or drooping.	Use galvanized turnbuckles with galvanized wire and aluminum ferrules Use stainless steel turnbuckles and wire with copper ferrules for installations near salt water, chemicals, etc.



Choosing the correct hardware for your next bird netting job is crucial to the success of the installation.



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Corner Attachments:

The corner attachments are under the most stress and must be the strongest part of the bird netting system or the system may fail. Corner attachments are used in all corners of the bird netting system and anywhere there is a 90° turn.

Choose the correct corner attachment for each type of building material:

Corner Attachments	Item	Description
	Net Bolts High load bearing expansion bolts used as corner attachments for masonry, concrete or stone	Use galvanized Net Bolts with galvanized wire Use stainless steel Net Bolts with stainless steel wire M6: 12 mm drill bit M8: 14 mm drill bit
	Girder Clamp Used to attach netting to girders.	Can also be used as an intermediate attachment Attach bolt onto flat steel or I-beam
	Mini-Net Bolt Corner attachment used for cable runs of less than 20' (6.09 m).	Use galvanized Net Bolts with galvanized wire Use stainless steel Net Bolts with stainless steel wire Drill Bits: 8 mm drill bit
	Eye Bolt w/ Nut Corner attachment for steel I-beams or other thick metals.	Drill Bits): 8 mm drill bit
	Screw Eyes Used as a corner attachment into wood.	Use Large Screw Eyes for runs over 20' (6.1 m) Use Small Screw Eyes for runs under 20' (6.1 m)










Need Help Choosing the right bird netting hardware for your next job? Call the experts at:

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Intermediate Attachments:

The intermediate attachments hold the cable tight against the wall or structure that is being netted off. Intermediate attachments must be properly spaced and secured to prevent the net from bowing and giving birds room to enter the area of coverage.

Choose the correct intermediate attachment for each type of building material:

Intermediate Attachments	Item	Description
	Multi-Purpose Cable Bracket with Hilti Pin	Used to secure cable around the perimeter of the net installation. Can be installed for permanent installation or easy release
	Multi-Purpose Cable Bracket	Used to secure cable around the perimeter of the net installation
	Net Spikes	Used to secure netting into concrete Drill Bits Large Net Spike: 6.5 mm Small Net Spike: 5.0 mm
	Lag Screws	Used to secure cable around the perimeter of a net installation
	Girder Clips	Designed to attach cable to I-beams or steel surfaces 100 per pack
	S-Clips	S-Clips are secured to the perimeter surface on one end and straining wire is strung through the other
	Thin Wire Net Clip	Ideal for small net installations that require the net to be removed from time to time
	Stainless Steel Net Loop	Ideal for wood and sheet metal
	Split Pins and Anchor Rivets	Used on stone or brick surfaces 100 per pack



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