

NIAARA WELDFAB INDUSTRIES
WE BUILD A SAFER TOMORROW

Manufacturers of complete Reinforcement and Fencing Products

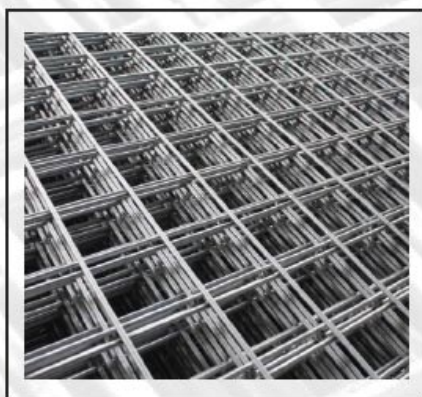
WELDED WIRE MESH • REINFORCEMENT MESH • CHAIN LINK FENCING • RAZOR WIRE • BINDING WIRE • BARBED WIRE • AND MORE....

Introduction

Niaara Weldfab Industries was established to cater the Construction & Security demands in the modern world. We are Manufacturer of Welded Wire Mesh, Chain Link Fencing, Concertina Coils, Barbed Wire. These are Manufactured by utilizing high-grade raw material, the range is popular for its characteristics like flexibility, long life, durability and authenticity. Owing to its unmatched attributes, the range is used in various application areas like highway fencing, Floor Gratings, concrete reinforcement, poultry cages and industries such as cement, power and others. Our infrastructural set up is our biggest strength which help us to run our business operations efficiently and effectively. We possess a state-of-the-art technology to face the global challenges. We have a well equipped in-house production unit which is capable of culminating incomparable products. Our production unit boast of world class machineries which work on low cost and yield excellent results. We constantly invest in the technological upgradation to remain abreast of the changing trends in technology and the global market. We have a team of highly qualified professional striving to come out with innovative concepts for the convenience of our clients. Our spacious and state of the art warehouse is the backbone of the company and have the capability to store bulk volumes of products. Owing to our prompt delivery, ingenious team of professionals and client focused approaches, we have been able to attain a huge client base.

The key factors for which we have received admiration from our clients all across the country include:

- Timely delivery
- Ultra-modern infrastructural facility
- Hardworking team of professionals
- Qualitative range
- Ability to handle bulk orders
- Cost effectiveness of the entire range
- Ethical business policies



Welded Wire Mesh / Anti Climb Fence

The Anti-Climb fence is a unique perimeter security product that maintains a guarded display of visual screening balancing the need to delay and deter an attack. The distinguishing feature of Anti-Climb is the anti-scale and anti-cut welded wire mesh. This makes it very difficult to get a foothold on this fence, and the cutting implements required to sever its welded heavy steel wire cannot fit into the minimal spaces of the mesh.

WELDED WIRE MESH is made of high quality, generally Hard Drawn Mild Steel Wire, Hot Dipped Galvanised Steel Wire or Stainless Steel Wire through automatic process and sophisticated welding technique, laid horizontally and vertically, individually welded at every intersection. The end product is level and flat with sturdy structure. Welded wire mesh is extensively used in defense industry, agriculture, infrastructure, concrete re-enforcement transportation, fencing, and mining.

Specifications:

STANDARD MESH IN ROLL/ SHEET FROM 600MM TO 3000MM IN WIDTH		
MESH		WIRE GAUGE
INCH	Mm	Mm
1/2x1/2	12.5mm x 12.5mm	1 mm TO 4 mm
3/4x3/4	20 mm x 20 mm	1 mm TO 4 mm
1x1	25 mm x 25 mm	2 mm TO 4 mm
1x2	25 mm x 50 mm	2 mm TO 5 mm
1x3	25 mm x 75 mm	2 mm TO 6 mm
2x2	50 mm 50 mm	1.3 mm TO 5 mm
3x3	75 mm x 75 mm	1.3 mm TO 6 mm
4x2	100 mm x 50 mm	2 mm TO 8 mm
4x4	100 mm x 100 mm	2 mm TO 8 mm
6"x6"	150 mm x 150 mm	2.5 mm TO 8 mm
8x8	200 mm x 200 mm	2.5 mm TO 8 mm
10x10	250 mm x 250 mm	2.5 mm TO 10 mm



Welded Mesh Gabion Boxes

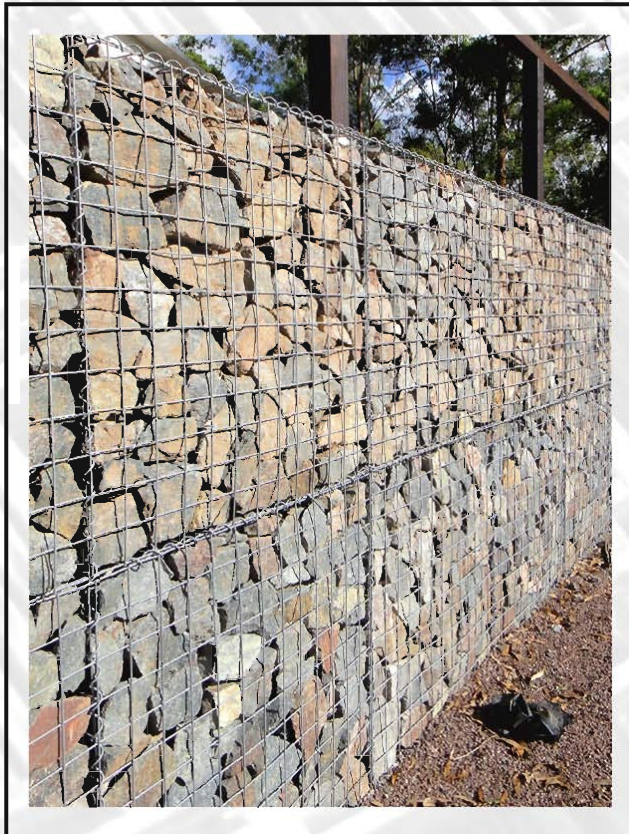
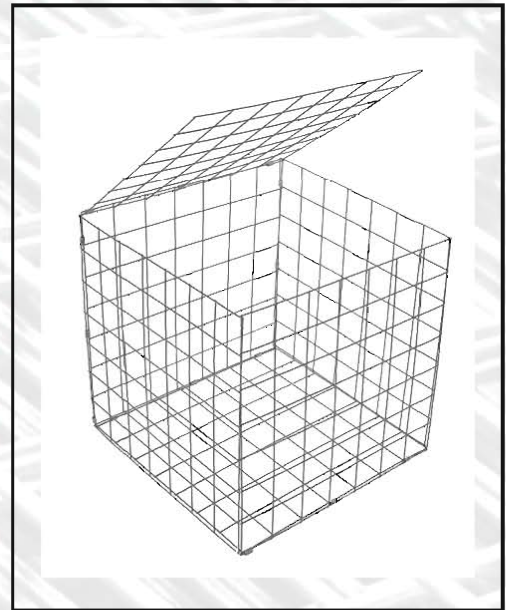
Welded Gabion Boxes are made of steel wire mesh, laced together and filled with stones to form monolithic structures that can provide a cost effective and sometimes unique solution to many problems in river works, soil stabilization, flood and scour protection and coastal defense.

Gabion boxes applications:

- Control and guide of water or flood
- Flood bank or guiding bank
- Preventing of rock breaking
- Water and soil protection
- Bridge protection
- Strengthening structure of soil
- Protection engineering of seaside area.

Specifications:

Opening (mm)	Wire Diameter(Metal Wire) (mm)	Wire Diameter (PVC Coated)/ Inner/Outside(mm)	Strands
60 X 80	2.0-2.8	2.0/3.0-2.5/3.5	3
80 X 100	2.0-3.2	2.0/3.0-2.8/3.8	3
80 X 120	2.0-3.2	2.0/3.0-2.8/3.8	3
100 X 120	2.0-3.4	2.0/3.0-2.8/3.8	3
100 X 150	2.0-3.4	2.0/3.0-2.8/3.8	3
120 X 150	2.0-4.0	2.0/3.0-3.0/4.0	3



Welded Wire Reinforcement Mesh For Construction (WWR)

We are leading manufacturer of reinforcing mesh, as well as a supplier of concrete reinforcing wire products. The reinforcing is recognized in the concrete reinforcement market with a reputation for quality products, as well as for a highly professional and superior service.

The Welded Wire Reinforcement Mesh is a custom made product as per the project requirement with variable dimensions and is used for structural concrete applications, replacing traditional steel rebar reinforcement. The main features of the engineered welded wire reinforcement are: less steel area for the same resistance, 3 to 4 times faster installation and ensures full compliance with the design during installation.



Standard	Description
IS 1566:1982	Specification for the hard drawn steel wire fabric for concrete reinforcement.
BS 4482:1998	Specification for cold reduced mild steel wire for the reinforcement of concrete.
BS 4483:1998	Specification for welded steel fabric for the reinforcement of concrete.

Characteristic Strength

BS 4482:1998 and 4483:1998 stipulate the minimum requirement for characteristic yield strength of welded fabric.

Grade	Min.Characteristics Strength N/mm ²
485	485
500	500

Fusion Weld

Pressure combined with heat fuses the parent material to form the weld and can withstand shear strength of 240 Mpa and confirms to ASTM (American Society for Testing Materials) standards.

It resist higher shear load since no foreign material is used in the welding process.

The many benefits of the structural WWR There are several benefits over traditional rebar installation such as:

- WWR is made from higher yield strength steel, up to 80 Ksi compared to regular rebar at 60 Ksi, offering the possibility to reduce the steel content by as much as 27%.
- WWR is easier and faster to install with smaller crews compared to individual rebar placing and hand tying.
- Loose large rebar replaced by smaller wire closer, welded together and equally-spaced offering better crack control, thus improving quality of concrete products.
- WWR ensures proper positioning in concrete forms as required in the drawings with quick and easy quality control inspection.
- WWR can be bent and rolled to fit your concrete projects.
- Reduced time schedule, less labor, less steel content, less transportation and great quality concrete products.

Welded Wire Reinforcement For Tunnel / Mine Support (WWR)

Welded wire mine support mesh is a common seen and widely used type in coal mine supporting mesh. It is efficient and energy saving type supporting mesh. Adopts thicker steel wires or reinforced bars as material, the welded wire meshes are spot welded into tough structure with square meshes. Compared with chain link mesh and other woven wire meshes, the solid weld point supplies double protection for the roadway. Additional, the solid structure can improve the stability and safety coefficient. It can make the construction faster and easier. The welded wire mesh is available for shotcrete applications to make the construction faster, easier and safer.

New Concept Tunnel / Mining supplies Welded Mesh which can be used for permanent areal coverage in any excavation in mines. The mesh can be fitted between rockbolts, or other support, to further consolidate the excavation and prevent the fallout of smaller rocks between support.

Specifications Of Welded Wire Tunnel / Mine Support Mesh

- Material: low carbon steel wire or galvanized steel wire.
- Wire diameter: 2 mm to 10 mm. Special sizes can be customized.
- Mesh size: commonly is 30 mm x 30 mm, 50 mm x 50 mm, 100 mm x 100 mm, 150 mm x 150 mm, 200 mm x 200 mm.
- Panel size: 1 m x 2 m is the most widely used. Special sizes can be customized.



Features Of Welded Wire Tunnel / Mine Supporting Mesh

- High precision and little tolerance.
- Made of high tensile strength steel wires.
- Various configurations and sizes.
- Solid structure for durable life.
- Easy to install and replace.
- Suitable for shotcrete applications.
- Used for loose strata to avoid rock falling.

Chainlink Fencing

Chain link fencing is very cheap, low in maintenance, and it is highly functional compared to a brick wall. It is a useful option for residential and commercial set-ups. The low cost and the ease of installation makes it an instant solution in all settings. Chain link fences are also used for partitions and also to temporarily secure construction sites. Chain link fencing is the least expensive fencing option available, ideal for homeowners on a budget. Especially if you require a fence for a large space, A chain link fence is just what you need whether for temporary or for permanent use.

Chain link fences are made of galvanized steel wire / PVC coated wire or Stainless steel wires. These wires are inter woven into mesh This net-like configuration is commonly known as Fabricof chain link fence. The woven mesh is secured around a specific area via steel / cement / pipe posts, which are deeply entrenched into the ground.

Coating : There are 2 types of coating available.

- a) Zinc Coating: This ranges from 20gsm to 160gsm per sq.mtr. Zinc coating is done by two methods. Electro Galvanized & Hot dipped Galvanized. We normally use Hot dipped Galvanized wire for chainlink fencing as this type of wire does not get rusted for long time. Electro Galvanized wire normally is not used for chainlink fencing.
- b) PVC Coating: This ranges from 1mm. to 3mm. This kind of coating is smooth in finish and it effectively protects the fence from Rusting. This is longer lasting. PVC chain link fences will cost 20 to 25 percent more than standard galv. chain fencing, but they last twice / thrice longer.

Galvanized Zinc Coated Vs PVC Coated wire fence

Chain link fences made from galvanized wire are tougher while PVC Coated chain link fences are much more resistant to rust and corrosion than Galvanized chain link fencing. PVC-coated fencing may cost a little extra but it is sure to last twice / thrice than naked galvanized fencing Green PVC coated chain fences make decent fencing solutions in residential settings. In choosing the best quality coated chain link fence, you have to look at three things: the thickness and strength of the wire, the size of the mesh, and the type of protective coating.



Specification

Material - Hot Dip Galvanized

PVC Coted/Powder Coated

Wire Dia - 2.5mm, 3mm, 4mm

Mesh Size - 25mm X 25mm, 50mm X 50mm, 75mm X 75mm, 100mm X 100mm

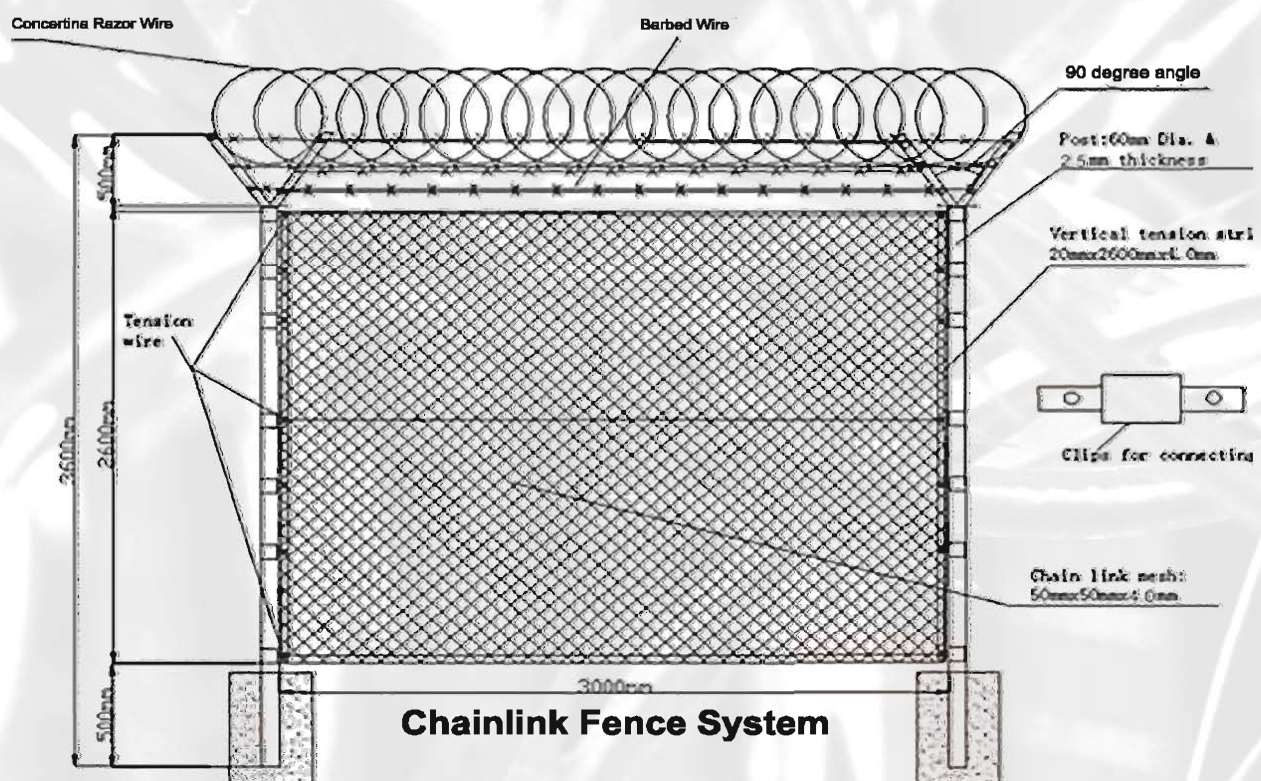
Post Material - Galvanized Steel

Support Post - 40mm, 50mm, 75mm

Height - As per customer requirement

Minimum - 1mtr

Maximum - 4mtr



Y Arm/Beam For Concertina

Specifications

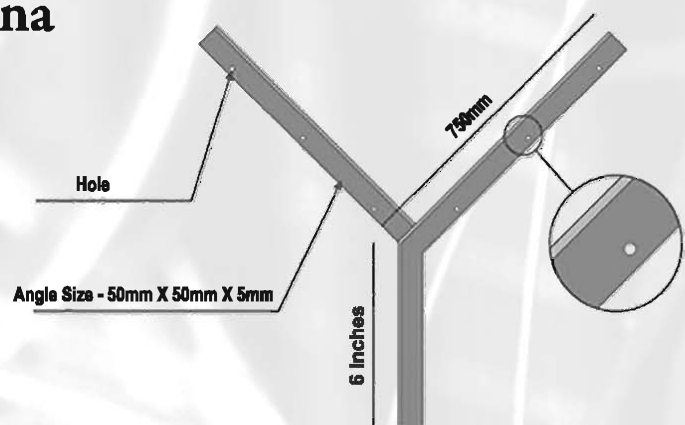
Angle Thickness - 5mm

Angle Size - 50mm X 50mm

Height of base Arm after installation - 6 inches

Distance between 2 Y arms - 3mtrs

(customised solution as per customer requirement)



Razor Wire

Our precious clients can avail from us an optimum quality range of Razor Wire that has sharp edges whose purpose is to prevent passage by humans. We offer this wire in different length, thickness and specifications as per the demands of our clients. The offered wire has a central strand of wire and a steel tape punched into a shape with barbs. Moreover, this wire is tested on different parameters by our quality examiners.

Features:

- Sturdiness
- Crevice corrosion
- Easy to install
- Impeccable strength
- Tough construction

Specifications

Blade Length - 11mm & 22 mm

Blade Thickness - 0.5mm

Core Wire of Razor Blade - 2.5mm

Type of Wire - Hot dip Galvanized (40 gsm - 275 gsm)

SS Wire 304

Blade Profile - MBBT Hot dipped GI

Length of Coil - 8 - 10 mtrs in 56 loops

Diameter of Concertina Coil - 450mm, 610mm, 1050mm

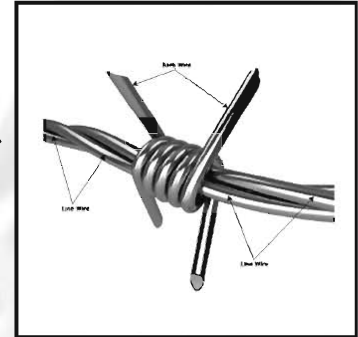


Barbed Wire



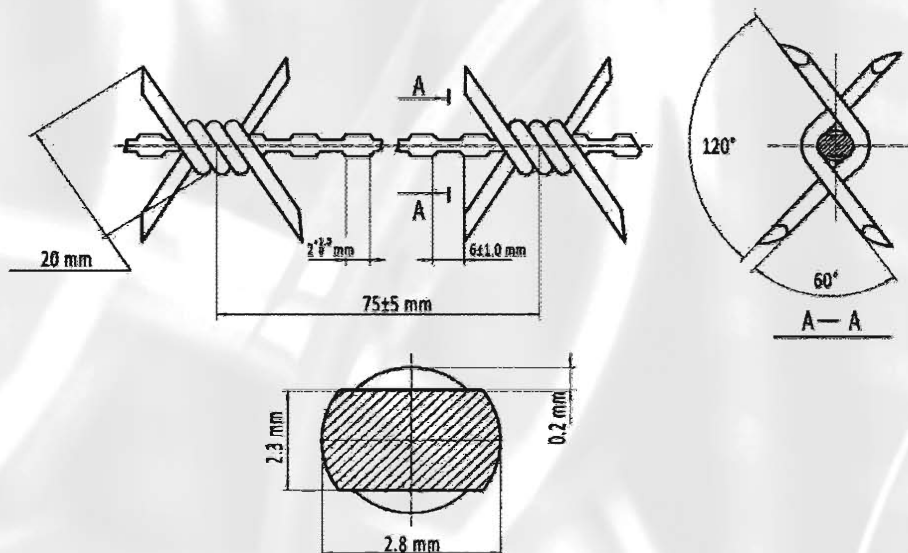
A fencing system mainly aims to create a boundary, a restriction against intruders, burglars, and stray animals. Security fences prioritize on privacy, safety, and protection. There are a wide variety of fences available these days that may suit your goal of increasing the level of security. Some fences seem quite stylish while others are just plain ones. A common and one of the most popular types of fencing is barbed wire fencing. In a

barbed wire fence, wires are twisted together making a cord with barbs that project from the fence at short distances of 5 or even 6 inches. This type of fencing system helps keep discouraging animals at bay that would otherwise find a way through your fence.



Standard Specifications

No. of Strands	2 or 3
Barb Type	4 point
Barb Spacing	4"
Wire Type	Standard Galvanized Heavy Galvanized
Length (Approx)	#15 (75m), #20 (100m) #25 (120m), #30 (145m)



Binding Wire



To meet diverse requirements of our clients, we are manufacturing and supplying a comprehensive range of Binding Wire it includes 25 kg HDPE Packing and 50 kg bundle . This binding wire is widely used in various domestic and commercial areas. Binding Wire is used for the purpose of tying applications in the field of construction.

It is used extensively in the construction sector for tying the rebars at the joints so as to keep the structure intact. Binding wire is also called annealed wire and is made of mild steel.

Features:

- Shock proof
- Excellent conductivity
- High tensile strength



Notes



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ALL KINDS OF WELDED WIRE MESH, ANTI CLIMB FENCE, CHAIN LINK FENCING, RAZOR WIRE, BINDING WIRE, BARBED WIRE, AND MORE....

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