



BENGAL SHEET METAL WORKS

BSMW SchoolGuard

Safe Campuses. Trusted Protection.

BSMWire

Since 1944

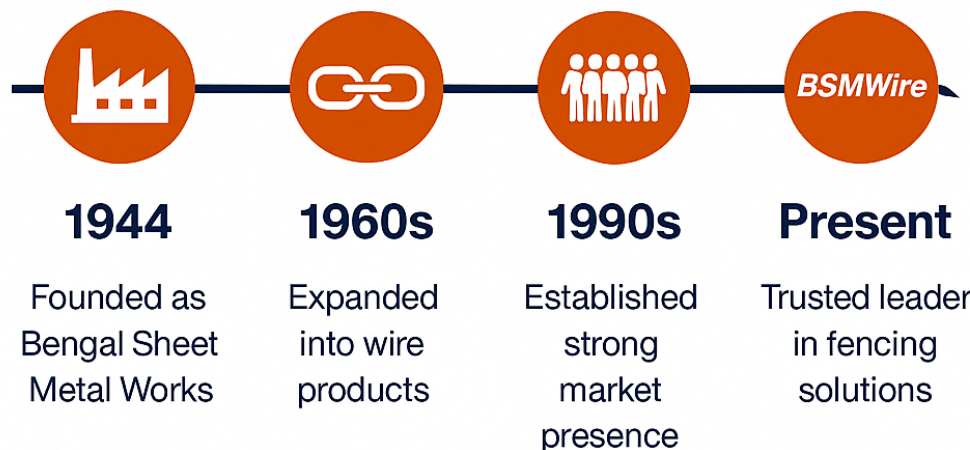
BSMW SchoolGuard Security System - Trusted Since 1944

About Bengal Sheet Metal Works

Founded in 1944, Bengal Sheet Metal Works has over 80 years of expertise in fencing and security systems. Approved supplier to Defense and MES projects, in-house R&D and testing, and trusted across critical infrastructure sectors.

80+

YEARS OF TRUSTED FENCING SOLUTIONS

BENGAL SHEET METAL WORKS

The Current Challenge

Conventional fencing in schools often fails to provide adequate security. Brick walls are climbable, weak wires rust quickly, and makeshift deterrents look unwelcoming.

Over 60% of school perimeter walls in India use outdated fencing, vulnerable to tampering. The average maintenance costs for conventional fencing are 3× higher than modern alternatives.



**Weak
Security**



**High
Maintenance**



**Short
Lifespan**

This is why BSMW developed the SchoolGuard Security System – engineered for safety, durability, and aesthetics.

Safe Campuses. Trusted Protection.



Safety



Trust



Durability

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Our Engineered Solution - BSMW SchoolGuard Security System

The SchoolGuard system combines razor wires, wall top deterrents, and additional fencing options into a modular, low-maintenance solution. Designed specifically for schools with anti-climb protection and safe aesthetics.

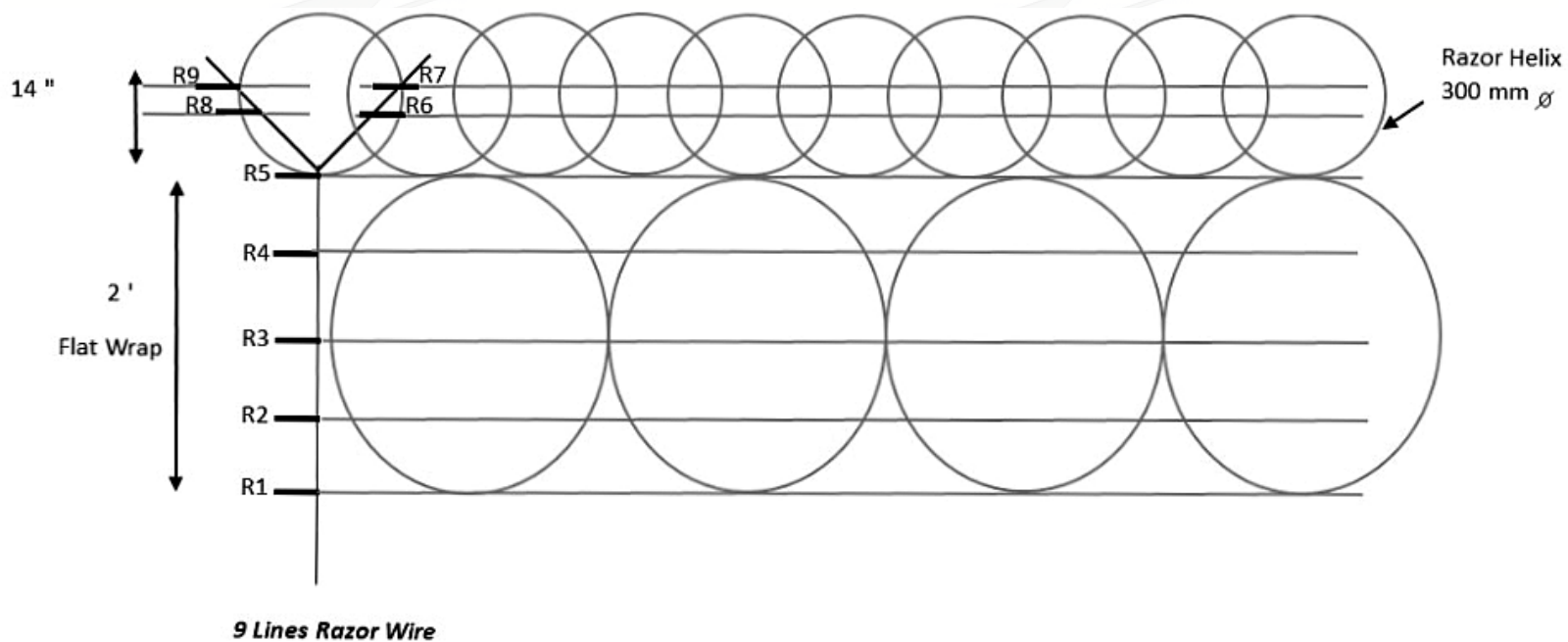


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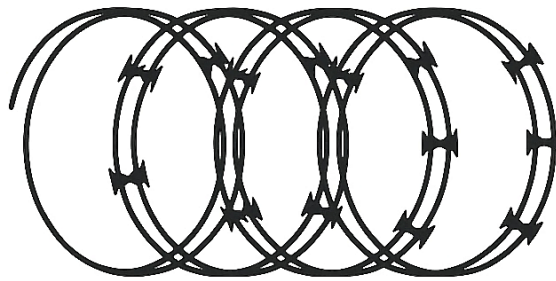
Technical Line Drawing



Highlighted Products

Wall-top Concertina Coil

300-900 mm coil diameter, galvanized or SS options, lifespan up to 15+ years. Ideal for walltop protection.



MATERIAL OPTIONS

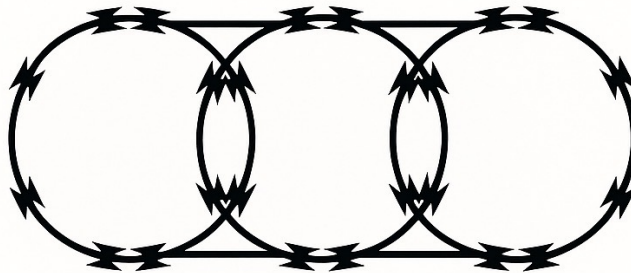
Galvanized steel Stainless steel

TYPICAL COIL DIAMETER

18" / 24" / 30" / 36"

Flat-wrap Razor Wire

Discreet, flat-mounted deterrent. 300-600 mm diameter, blends with school architecture, lifespan 15-40 years.



MATERIAL OPTIONS

Galvanized steel Stainless steel

TYPICAL DIMENSIONS

500 MM / 700 MM / 900 MM

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Razor Barbed Tape



MATERIAL OPTIONS

Galvanized steel Stainless steel

TYPICAL DIMENSIONS

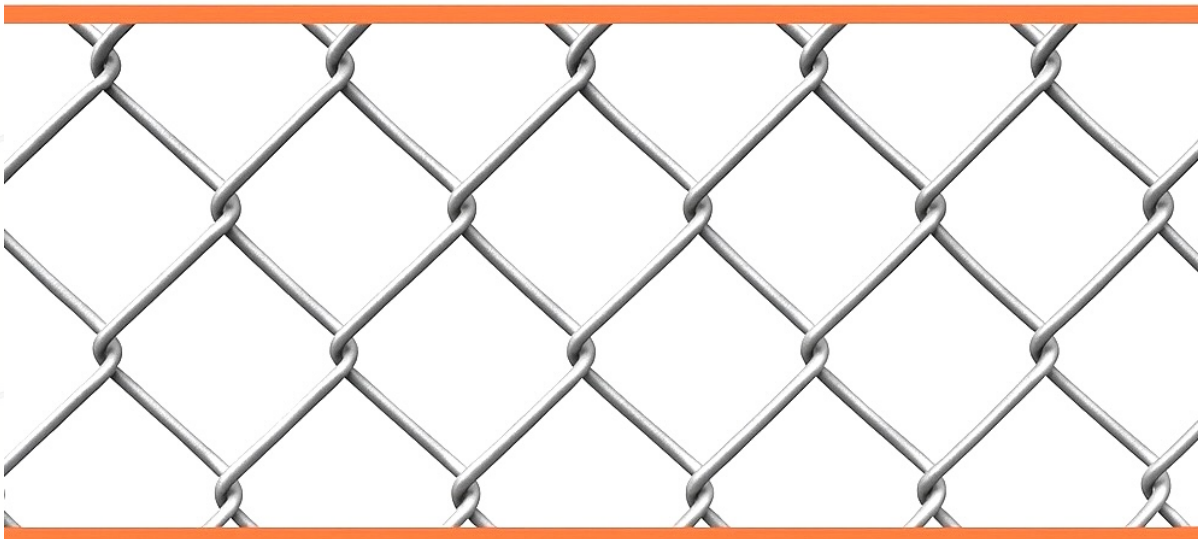
Standard barb length / barb spacing

Straight Line Razor Runner Wires, High Tensile, Supports Walltop
Concertina Coils.

Additional Options:

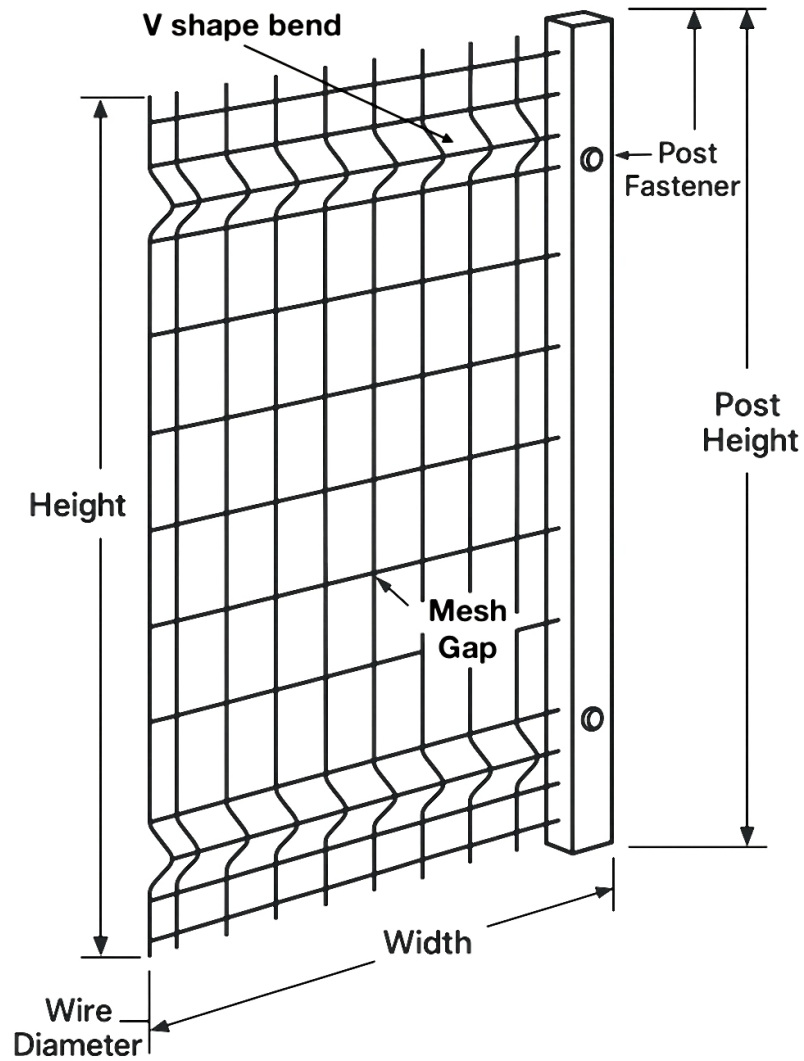
Chain-Link (PVC & GI)

Durable, safe, and aesthetic fencing for playgrounds and perimeters. PVC-coated options in green/black.



Welded Mesh

High tensile strength mesh for large perimeters, rural campuses, and anti-climb applications.



TECHNICAL DATASHEET

PRODUCT	PARAMETER	SPECIFICATION HIGHLIGHTS
Walltop Concertina Coll	Coil Diameters	450 mm, 610 mm, 760 mm
	No. of Loops	33 / 55 / 71
	Blade Types	BTO-15, BTO-22, CBT-23.5, CBT-26
	Material Options	Galvanized Steel / Stainless Steel
	Core Wire Dia.	2,5 mm (GI) / 2.6 mm (SS)
	Blade Thickness	0,35 – 0,5 mm (GI) / 0.45 – 0,55 mm
	Lifespan	15+ years (40+ years (SS)
Flatwrap Razor Wire	Coil Diameters	300 mm, 600 mm
	Blade Types	BTO-15, BTO-22, CBT-23.3, C-29
	Mounting Style	Flat-mounted on walls, gates, fences
	Material Options	Galvanized Steel / Stainless Steel 304 / 316
	Lifespan	15-years (GI) / 40+ years (SS)
Chain Link Fencing (PVC & GI)	Wire Gauge	GI: 8G–16G PVC: 10G–16G
	Mesh Size	25 mm – 100 mm
	Height Range	3 ft – 20 ft (GI) / 4 ft – 10 ft (PVC)
	Coating	GI zinc 20–275 GSVI/ 0,5–1,0 mm (GI)
Welded Mesh Fencing	Wire Dia.	3 mm – 6 mm-(depending on strength)
	Mesh Aperture	50×200 mm, 75×150 mm, 100×300
	Panel Size	1.8–3,0 m Width, 2.5–3,0 m
	Coating	Galvanized, Powder Coated (Polyester), or PVC Coated

COMPARATIVE ADVANTAGE

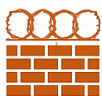
Conventional Fencing	BSMW SchoolGuard
Security Basic perimeter protection	Enhanced security features
Durability Prone to damage and rust	Highly durable, weather-resistant
Maintenance Frequent upkeep needed	Low maintenance, long lifespan
Climb Deterrence Easily scaled by intruders	Effective anti-climb design
Visibility Limited visibility through fence	Clear visibility without compromising security

Applications in Schools

Walltop Deterrents



Playground
Segregation



BOUNDARY WALLS

Enhance perimeter security around school grounds



PLAYGROUNDS

Provide safe and secure enclosures for recreational areas



ROOFTOPS

Prevent unauthorized access to rooftop spaces



HOSTELS

Ensure security for residential student areas



SEGREGATION

Create internal barriers for restricted zones

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Secure Your Site With Us

Secure your campus with the BSMW SchoolGuard Security System.

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Security Fencing
Specialists

Since 1944

