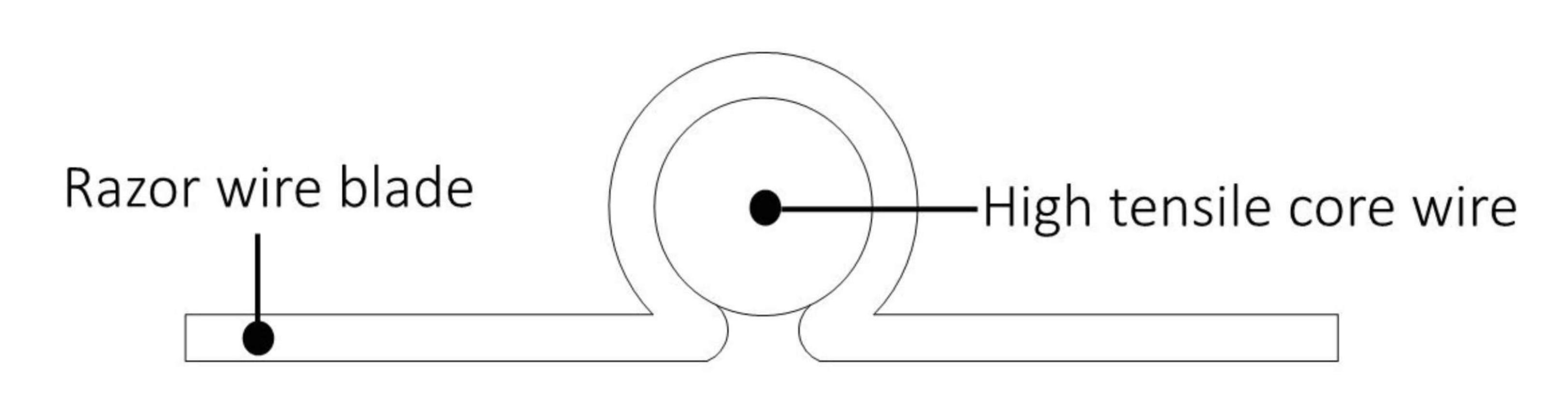
Material Stainless steel (304, 304L, 316, 316L, 430), carbon steel.

Surface treatment

Galvanized, PVC coated (green, orange, blue, yellow, etc.), E-coating (electrophoretic coating), powder coating.

Dimensions



Razor Wire Cross Section

Standard wire diameter: 2.5 mm (± 0.10 mm).

Standard blade thickness: 0.5 mm (± 0.10 mm).

Tensile strength: 1400-1600 MPa.

Zinc coating: 90 gsm – 275 gsm.

Coil diameter range: 300 mm – 1500 mm.

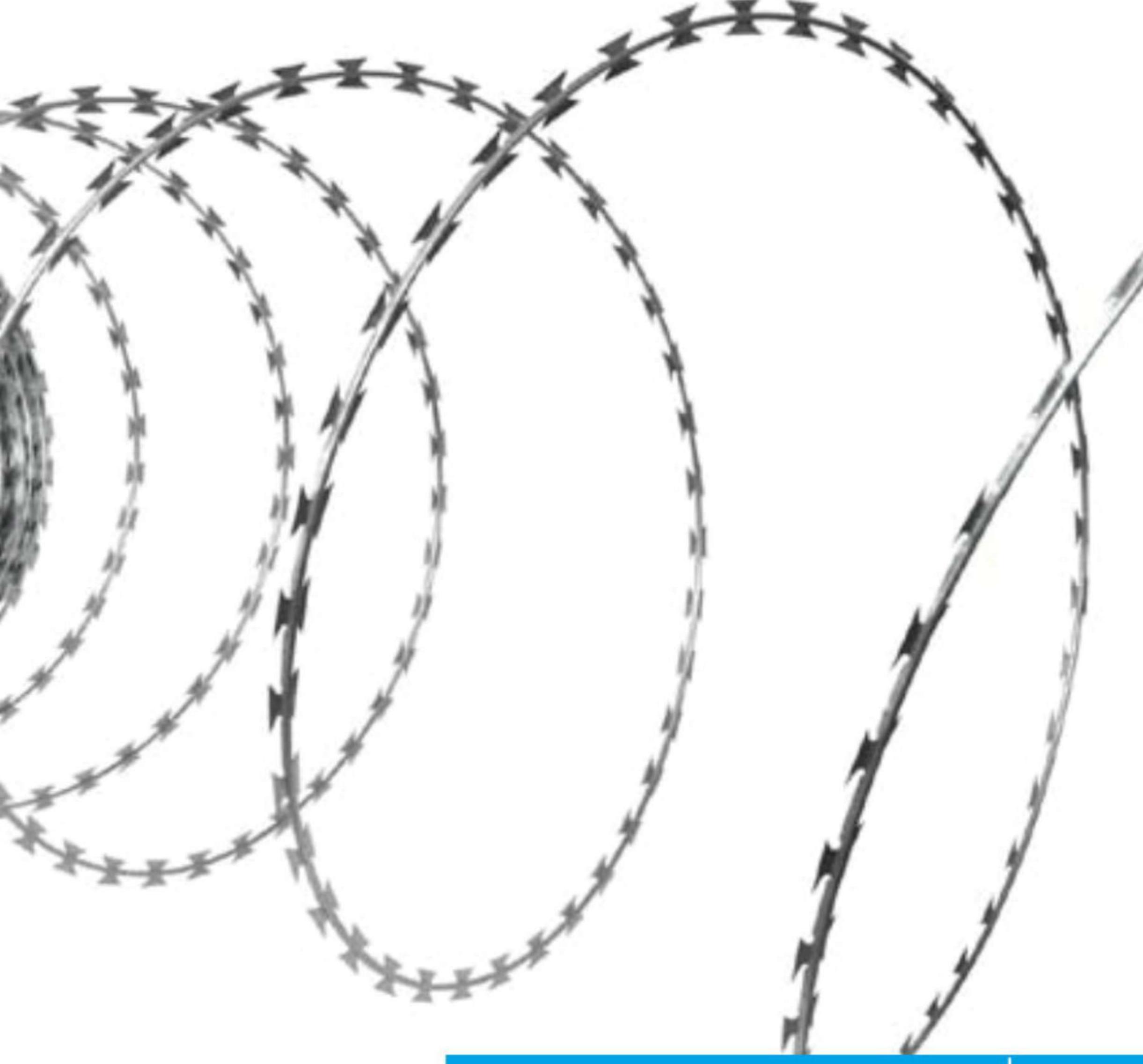
Loops per coil: 30-80.

Stretch length range: 4 m – 15 m.

Code	Blade profiles	Blade thickness	Core wire dia.	Blade length		Blade
BTO-10		0.5±0.05	2.5±0.1	10±1	13±1	26±1
BTO-12		0.5±0.05	2.5±0.1	12±1	15±1	26±1
BTO-18		0.5±0.05	2.5±0.1	18±1	15±1	33±1
BTO-22		0.5±0.05	2.5±0.1	22±1	15±1	34±1
BTO-28		0.5±0.05	2.5	28	15	45±1
BTO-30		0.5±0.05	2.5	30	18	45±1
CBT-60		0.6±0.05	2.5±0.1	60±2	32±1	100±2
CBT-65		0.6±0.05	2.5±0.1	65±2	21±1	100±2

(unit: mm)

RAZORWIRE



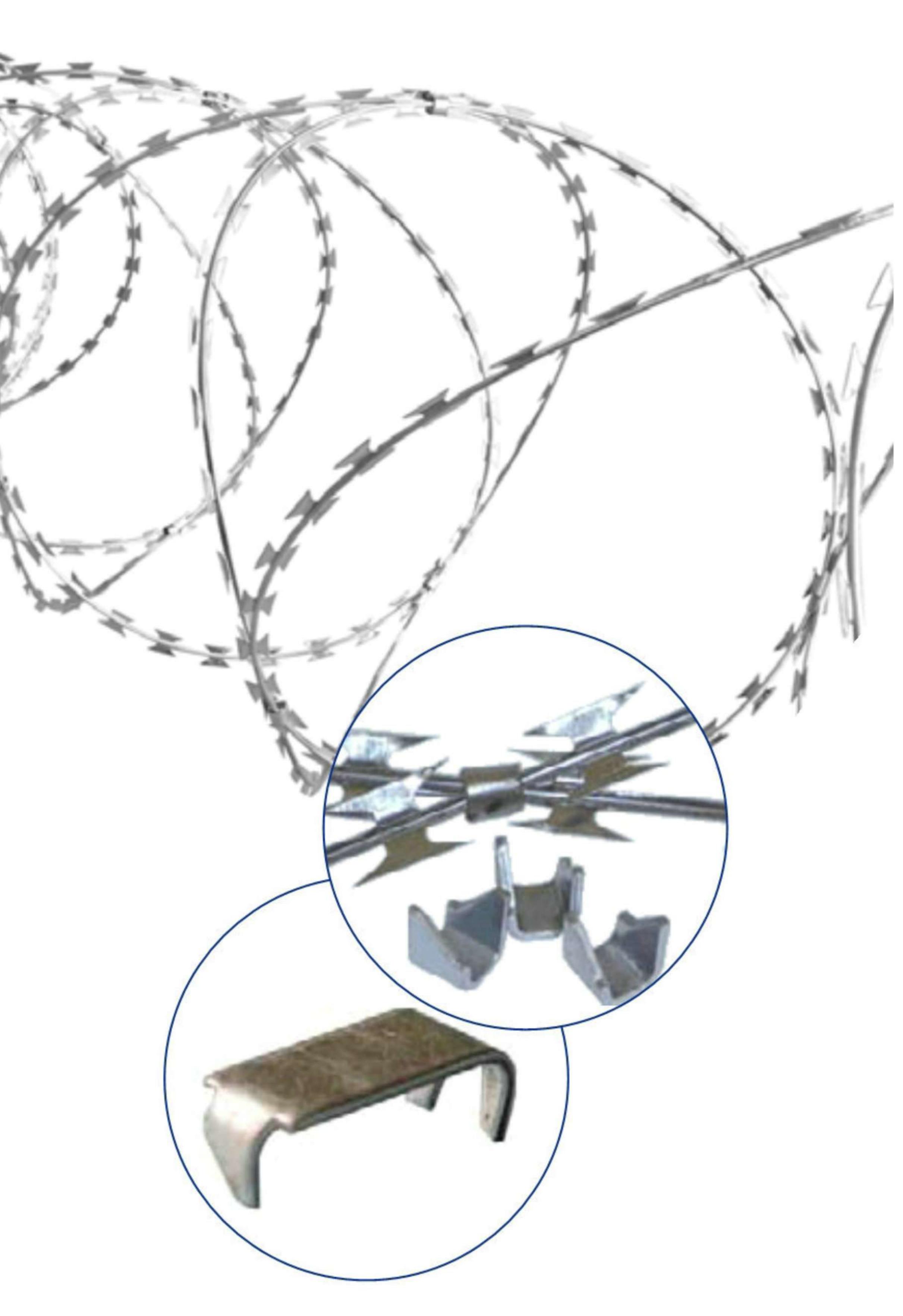
Spiral Razor Wire

No clips required to form temporary or permanent barrier

Spiral razor wire is the simplest pattern in a barbed tape coil where there are no clips binding adjacent loops and each coil loop is left free in its natural spiral. Spiral razor wire can also be used as straight runner wire when stretched totally.

Diameter (mm)	Loops per coil	Clips	Recommended stretch length (m)
200	33	-	6
300	33	-	10
450	33	-	15
600	33	_	15
750	33	-	15
900	33		15

^{*} Note: custom dimensions are also available.



Concertina Razor Wire

Denser profile for high level of security applications

Concertina razor wire is fabricated by attaching adjacent loops of helical coils to one another at specified points on the circumference, forming an accordion-like configuration. In this way, there are no gaps of sufficient size for persons to squeeze through. It provides unrivaled security and is widely used in applications such as border barriers and military bases.

Heavy duty clips that bind the razor wire into its shape are unique feature of concertina razor wire products, as a week clip will part, providing an easy access for the intruder. These two kinds of clips, however, cannot be parted by hand or ordinary tools. Made of galvanized steel, the clips are weather- and water-resistant, and highly effective and durable.

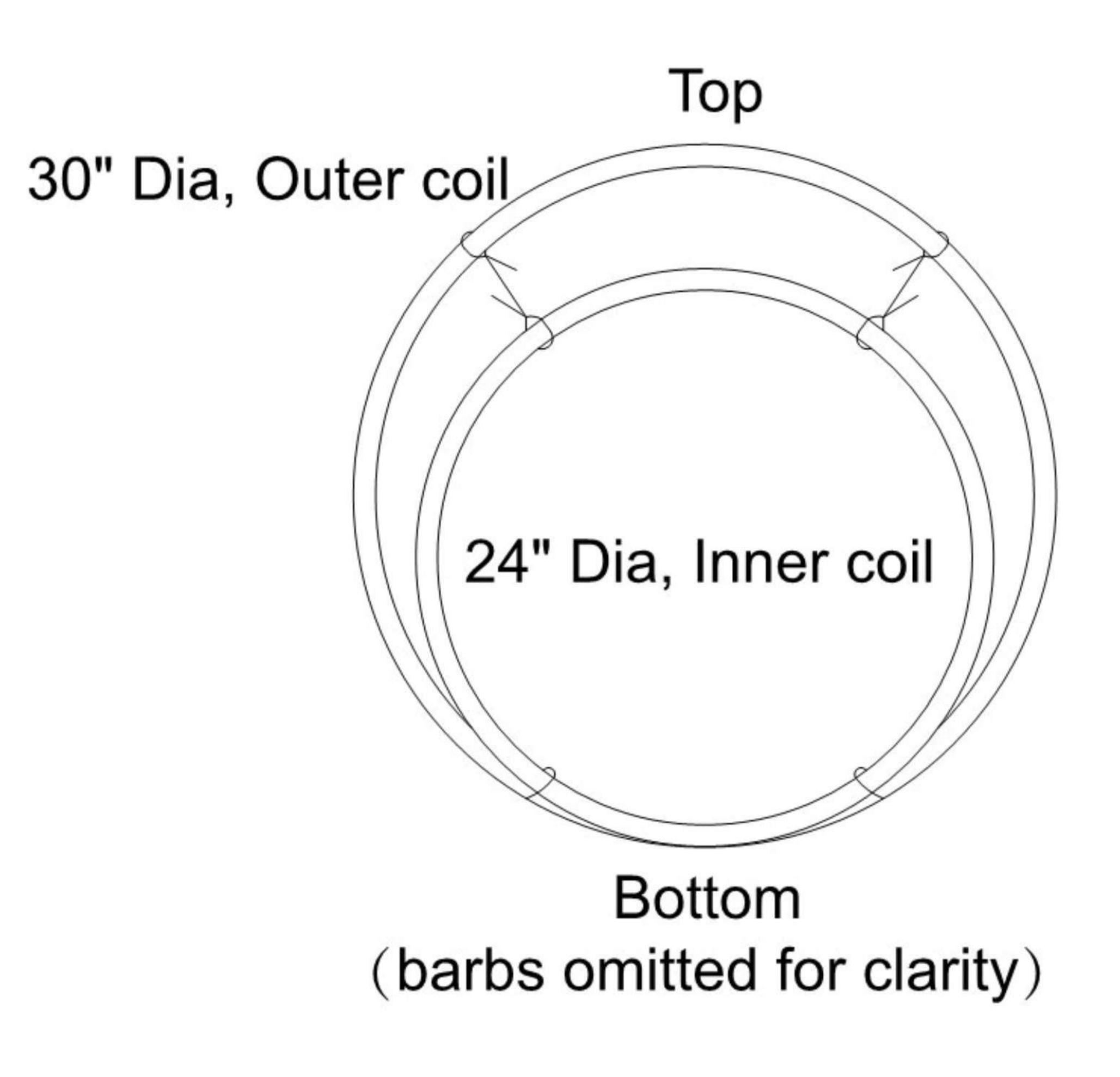
RAZORWE

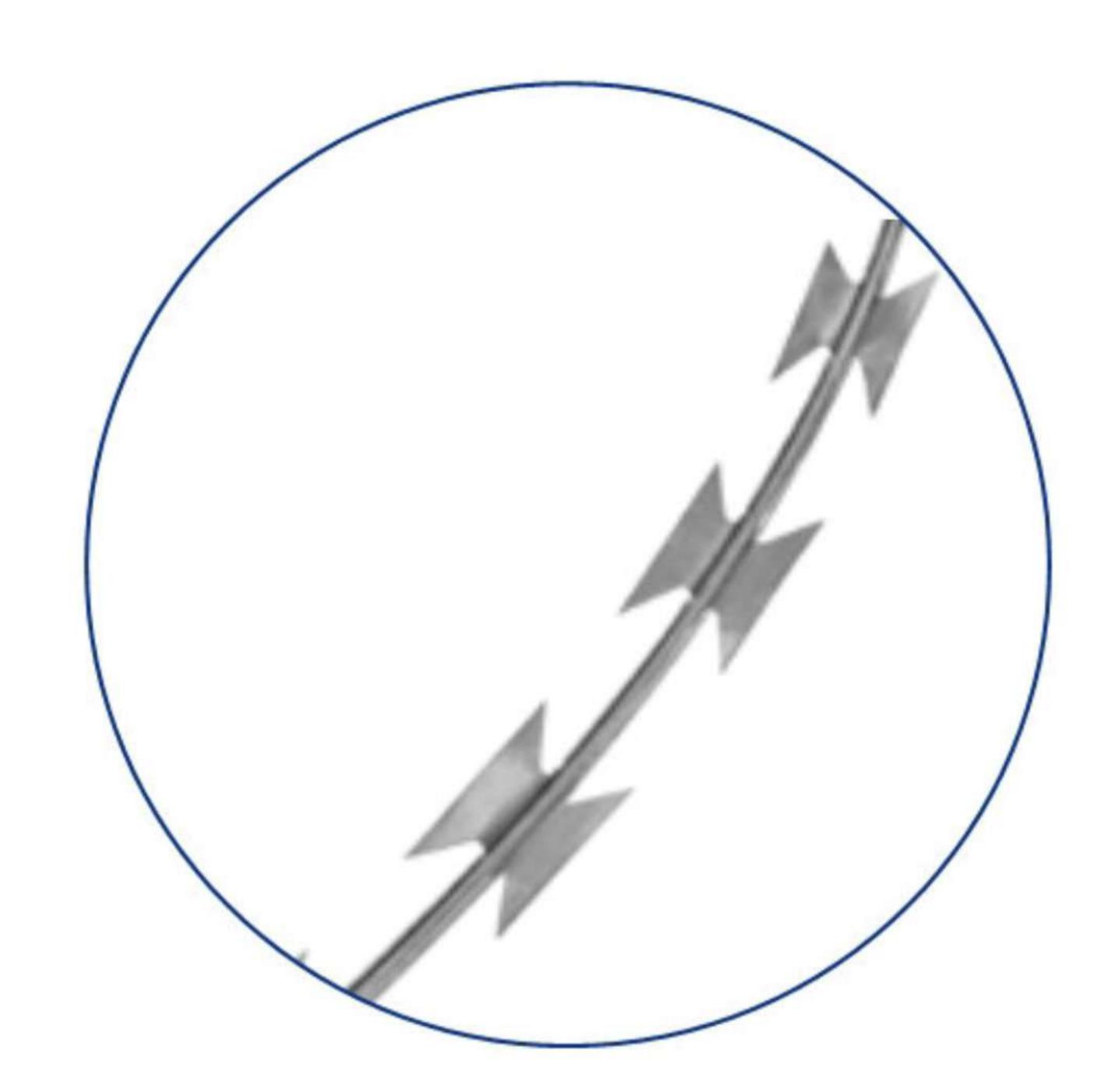
Coil diameter (mm)	Spiral turns per coil	Clips per coil	Recommended stretch length (m)
300	33	3	4
450	54	3	8 — 10
610	54	3	10 — 12
730	54	3	15 — 20
730	54	5	10 — 12
800	55/56	5	11 — 13
900	56	5	13 — 15
980	55/56	5	10 — 15
980	55/56	7	5 — 8
1250	55/56	7	4 — 6
1500	55/56	9	4 — 6

* Note: custom dimensions are also available.

Double Coils

Double coils are manufactured where one smaller diameter razor wire coil is inserted inside a bigger diameter coil. The design ensures longer breaking time for would-be intruders. Available for selected sizes of both spiral and concertina styles.





Line Formed Razor Wire

The least deterrent obstacle with simple and easy installation

The peculiarity of the line formed razor wire is that it's not carried in a coil, or expands like an accordion, but expands or twists linearly. It can be applied on the regular or Y shaped posts without any clips. Usually three or more lines are needed for high security applications.



Flat Wrap Razor Wire

Compact design reduces boundary overhang

Flat wrap razor wire, as its name suggests, is fabricated by using single strand razor wire which is then clipped to create flat sheet in vertical direction. The flat wrap coil can be used to upgrade any existing fence or brick wall, which is an ideal alternative to common concertina razor wire where high security is required but with space restriction. Due to its flat profile, it doesn't overhang into neighboring property and harm any innocent bystanders. Available in coil diameters from 450 mm to 1000 mm with BTO-10, BTO-22 and BTO-30 blade forms.



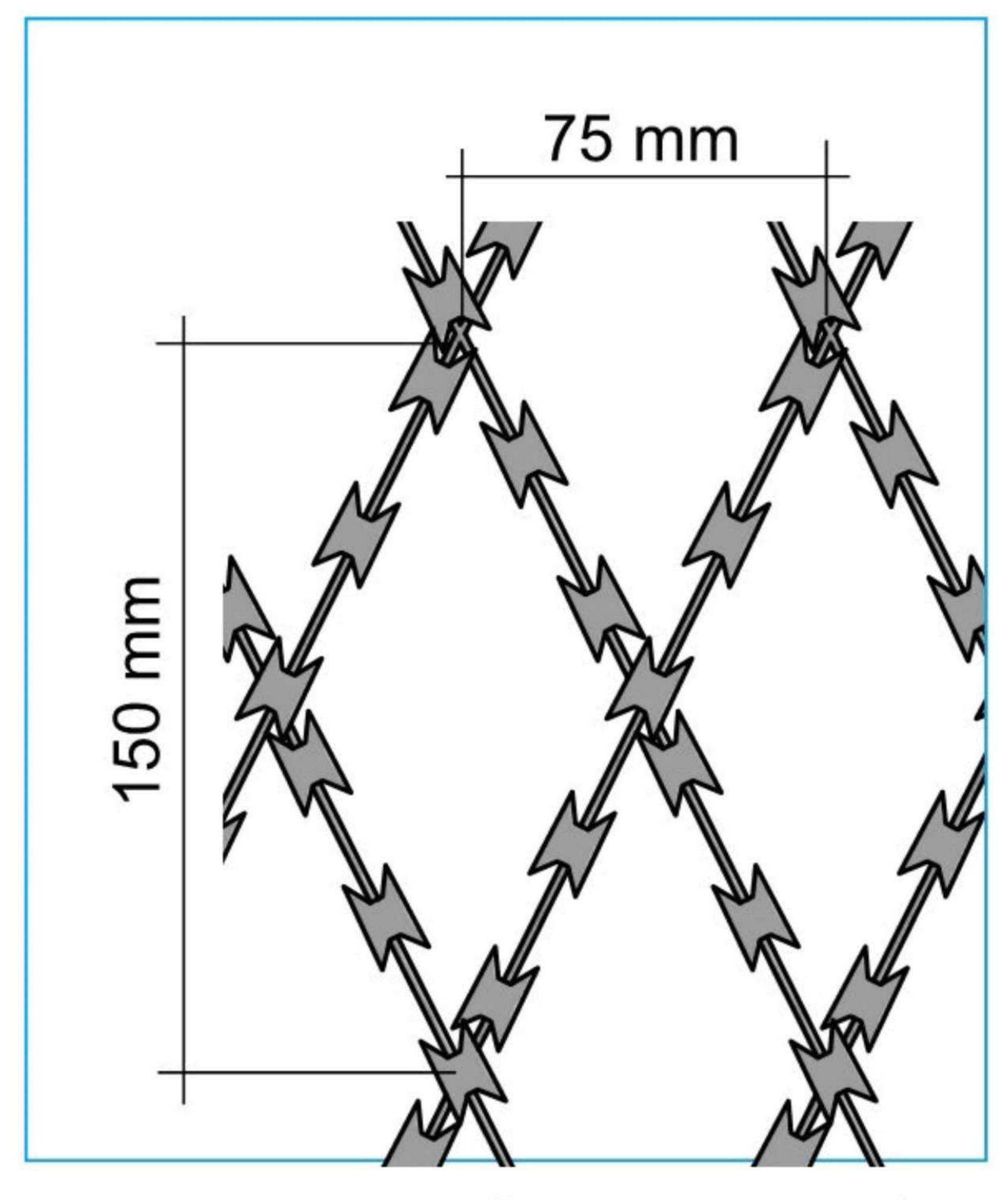
Razor mesh

Versatile security fencing screen with neat appearance

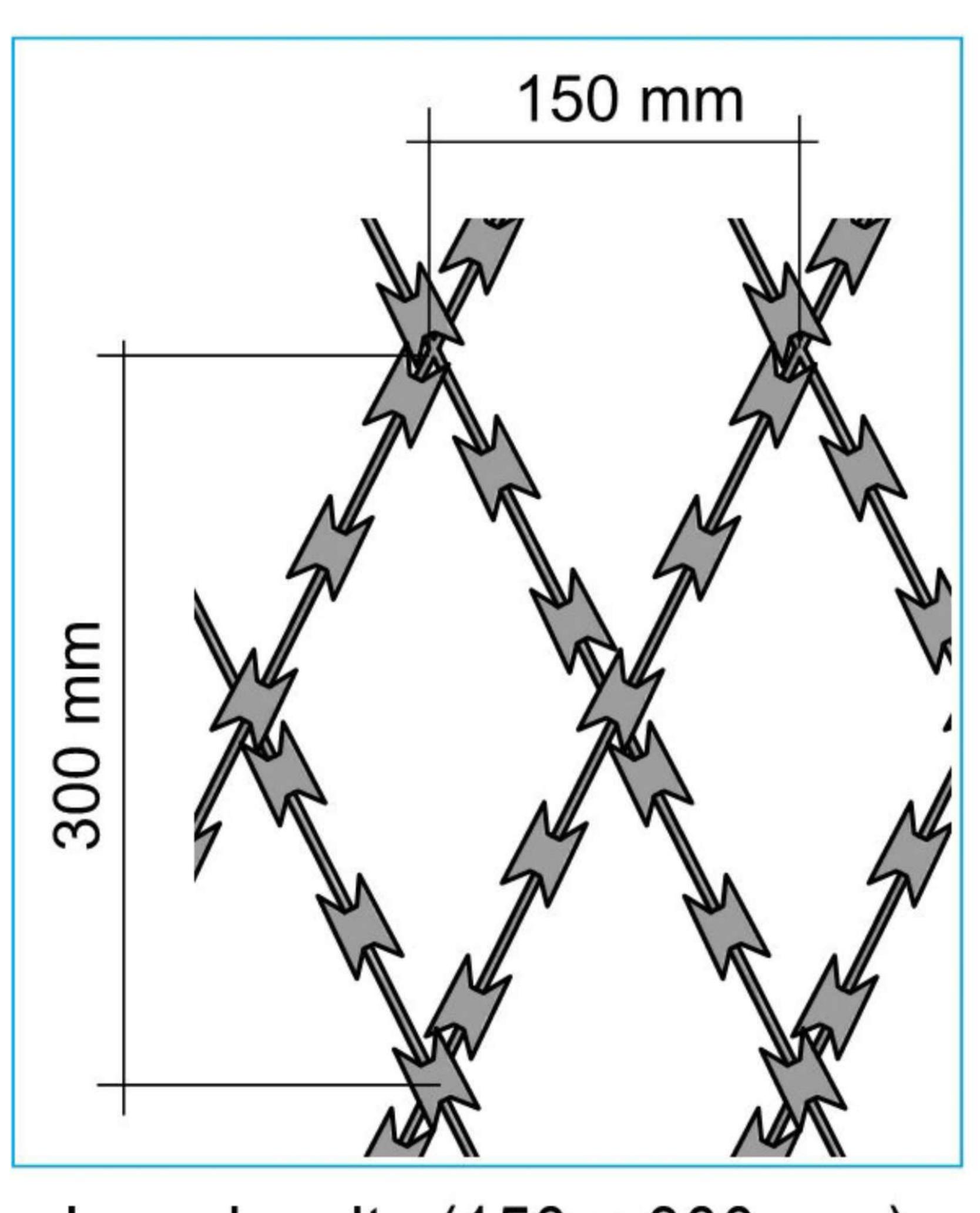
Razor mesh is one of the security fencing products that can be used to protect industrial, commercial and government institutions. The typical feature of razor mesh is that it's a complete security fence requiring no additional top options when installed. With high tensile steel reinforced core for maximum strength and diamond or rectangular mesh pattern combined, razor mesh has been a formidable deterrent to unwanted intruders.



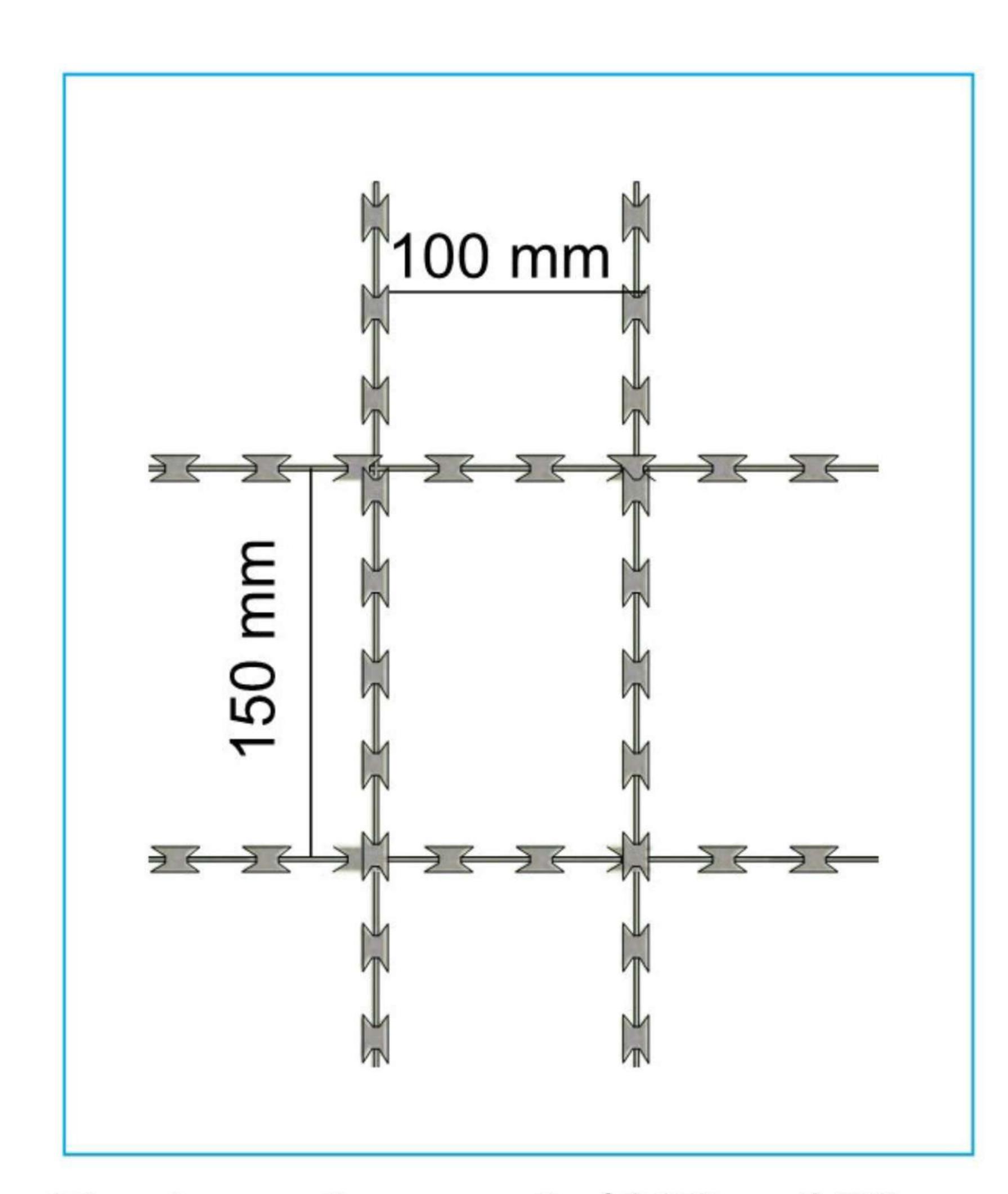
Razor mesh type



High density (75 × 150 mm)



Low density (150 × 300 mm)



Rectangular mesh (100 × 150 mm)

- Panel size: 1.2 m × 6 m, 1.8 m × 6 m, 2.1 m × 6 m, 2.4 m × 6 m.
- Standard blade type: BTO-22, BTO-30.

Installation

There are several ways of razor wire installation. It can be installed onto the existing fence systems such as welded mesh fence, chain link fence, palisade and ornamental fencing, or on top of the brick/concrete wall. To meet the needs of some applications, it can also be installed on the ground along the perimeter. According to different operating environment, specially designed brackets should be used to support the razor wire fence.

Razor wire should be installed by trained and experienced workers with strong sense of responsibility, in addition,

protective equipment such as puncture resistant gloves and sleeves are essential when installing razor wire. Failure of installation or misuse may cause serious injury.

Note: Razor wire installation refers to ASTM F1911-05 Standard Practice for Installation of Barbed Tape.



Razor wire is available in four combinations:

- Galvanized wire with galvanized blades
- Zinc-aluminium wire with Zinc-aluminium blades
- Galvanized wire with stainless steel blades
- Stainless steel wire with stainless steel blades

Razor wire classification by different formats:

- Spiral razor wire (Helical style)
- Concertina razor wire (Concertina style)
- Line formed razor wire
- Flat wrap razor wire
- Razor mesh

Applications

Razor wire provides perimeter solutions to restricted areas' security mainly in commercial, industrial, residential, governmental and other fields that needs higher level of protection.







- Airport
- Border
- Prisor







- Residential area
- Marine
- Railway barrier







- Government agency
- Industrial area
- Garden