CONCERTINA RAZOR WIRE BROCHURE

Hebei Jinshi Industrial Metal Co., Ltd.
Hebei Jinshi Industrial Metal Co., Ltd. is a manufacturer and trading company of razor wire, barbed wire and other metal products, which is located in Hebei Province, China.

**International Quality Control**
- ISO 9001-2015 International Quality Management System Certification
- ISO 14001 Environmental Management System Certification
- CE Certification
- BV Certification

**ERP Management System**
Hebei Jinshi Industrial Co., Ltd. adopts the advanced ERP Management System, which can be with effective cost control, risk control, optimization and change the traditional processes and improve the operating efficiency, the full realization of "collaboration", "Quick Service" and "Agile Handling".

**Main Products**
Hebei Jinshi Industrial Metal Co., Ltd. have converged a large number of international trade, metal manufacturing, E-marketing experts.
At present, we produce and design products of razor wires, barbed wires, chain link fences and wall spikes for agricultural, commercial and industrial applications which are exported to America, Australia, New Zealand, Germany, Chile and other countries.

**Aim:** Offer qualified products to our customers
**Concept:** Help Chinese manufacturing boom and let JINSHI manufacturing spread worldwide!
Razor wire, also called barbed tape, is easy to install and acts as a visual deterrent as well as a physical barrier, which is extremely difficult to climb. It is made of galvanized or stainless steel materials for different environments and security grade.

The razor tape is particularly difficult to crush or trample and is almost impossible to cut without specialized tools – and even then, it is a slow and dangerous job.

It is regarded as a highly-effective and economical additional barrier to your security fencing system. It is popular in military sites, the national border, governments, commercial buildings and private residences.
Both blades and core wire of razor wire is manufactured in galvanized or stainless steel, which can prevent the blades rusting and becoming blunt and maximally extend service life and performance.

There are three main material combination, you can choose them as your requirements.

<table>
<thead>
<tr>
<th>Most durable</th>
<th>Blade – Stainless Steel Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Wire – Stainless Steel Wire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medium Grade</th>
<th>Blade – Stainless Steel Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Wire – Galvanized Wire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Most economical</th>
<th>Blade – Galvanized Steel Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Wire – Galvanized Steel Wire</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Colorful</th>
<th>Blade – Powder Coating Steel Plate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Wire – Powder Coating Steel Wire</td>
</tr>
</tbody>
</table>
CONCERTINA RAZOR WIRE

PRODUCTION LINE

Punch the galvanized or stainless steel steel tape into different shapes and sizes blades. And the steel blade is cold crimped tightly to the wire.

Galvanized/Stainless Steel Razor Wire

1. Raw Material
2. Punching
3. Forming
4. Assembly
5. Package

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Materials & Specs & Applications
PVC Coating Concertina Wire

1. Raw Material
2. Punching
3. Forming
4. Assembly
5. Powder Coating
6. Package
Barbed tape can be divided into two main blade series: Concertina Barbed Tape (CBT) and Barbed Tape Obstacle (BTO). And five main and popular types are also recognized as fish hook blade, tear blade, long blade, medium blade and short blade.

### Fish-Hook Blade (CBT-60)

Fish-hook blade is the metal in the middle that has gone through the most gyrations. All hooks have an eye to tie your line to, a sharp tip to pierce the fish’s mouth and a barb to hold it in place. Although there are a wide variety of innovations in point design, it’s the shank & the bend that have changed the most.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBT-60</td>
<td>0.5 ± 0.05</td>
<td>60.0 ± 2</td>
<td>31 ± 1</td>
<td>100 ± 2</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>

![Barbed Blade Diagram]
**Long Blade (CBT-65)**
Razor wire long blade is a vicious product when manufactured of toughened stainless steel blade material. It is usually used for prison fencing. Extra long blade razors provide maximum frightening effect.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBT-65</td>
<td>0.5 ± 0.05</td>
<td>65.0 ± 2</td>
<td>51 ± 1</td>
<td>100 ± 2</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>

**Tear Blade (BTO-30)**
Tear blade is an hybrid of medium blade and long blade, more vicious than a medium blade and more economical than long blade.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTO-30</td>
<td>0.5 ± 0.05</td>
<td>30.0 ± 1</td>
<td>18 ± 1</td>
<td>45 ± 2</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>
Medium blade (BTO-22)
Concertina wire medium blade is an improvement on the short blade variety at a cost-effective price level. It is widely used for commercial and industrial applications. Medium blade concertina wire had a much sharper edge and quickly gained the reputation of being an extremely effective low cost security choice.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTO-22</td>
<td>0.5 ± 0.05</td>
<td>22.0 ± 1</td>
<td>16 ± 1</td>
<td>35 ± 2</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>

Short Blade (BTO-10)
Short blade is the original profile of razor wire barbed tape, which is developed for military applications. Although mostly replaced by medium blade, it is still preferred by some organizations. It is the most economical type among all the barbed tapes.

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTO-10</td>
<td>0.5 ± 0.05</td>
<td>10.0 ± 1</td>
<td>13 ± 1</td>
<td>25 ± 2</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>
Other Available Types

<table>
<thead>
<tr>
<th>Barb Type</th>
<th>Barb Thickness</th>
<th>Barb Length</th>
<th>Barb Width</th>
<th>Barb Spacing</th>
<th>Core Wire Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTO-12</td>
<td>0.5 ± 0.05</td>
<td>12.0 ± 1</td>
<td>15 ± 1</td>
<td>26 ± 1</td>
<td>2.5 ± 0.1</td>
</tr>
<tr>
<td>BTO-18</td>
<td>0.5 ± 0.05</td>
<td>18.0 ± 1</td>
<td>15 ± 1</td>
<td>33 ± 1</td>
<td>2.5 ± 0.1</td>
</tr>
<tr>
<td>BTO-28</td>
<td>0.5 ± 0.05</td>
<td>28.0 ± 1</td>
<td>15 ± 1</td>
<td>45 ± 1</td>
<td>2.5 ± 0.1</td>
</tr>
</tbody>
</table>

**CONCERTINA RAZOR WIRE BROCHURE**

**PRODUCT GUIDE**
Materials & Specs & Applications
## Coil Loop Specifications

<table>
<thead>
<tr>
<th><strong>Outer Diameter</strong></th>
<th><strong>Loops</strong></th>
<th><strong>Extended Length</strong></th>
<th><strong>Blade Type</strong></th>
<th><strong>Note</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>300 mm</td>
<td>33</td>
<td>4–6 m</td>
<td>CBT - 60, 65</td>
<td>Single coil</td>
</tr>
<tr>
<td>450 mm</td>
<td>33</td>
<td>7–8 m</td>
<td>CBT - 60, 65</td>
<td>Single coil</td>
</tr>
<tr>
<td>500 mm</td>
<td>56</td>
<td>12–13 m</td>
<td>CBT - 60, 65</td>
<td>Single coil</td>
</tr>
<tr>
<td>700 mm</td>
<td>56</td>
<td>13–14 m</td>
<td>CBT - 60, 65</td>
<td>Single coil</td>
</tr>
<tr>
<td>960 mm</td>
<td>56</td>
<td>14–15 m</td>
<td>CBT - 60, 65</td>
<td>Single coil</td>
</tr>
<tr>
<td>450 mm</td>
<td>56</td>
<td>8–9 m (3 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>500 mm</td>
<td>56</td>
<td>9–10 m (3 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>600 mm</td>
<td>56</td>
<td>10–11 m (3 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>700 mm</td>
<td>56</td>
<td>10–12 m (5 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>800 mm</td>
<td>56</td>
<td>11–13 m (5 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>900 mm</td>
<td>56</td>
<td>12–14 m (5 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
<tr>
<td>980 mm</td>
<td>56</td>
<td>14–16 m (5 clips)</td>
<td>BTO - 10, 12, 18, 22, 28, 30</td>
<td>Cross type</td>
</tr>
</tbody>
</table>

*JINSHI can manufacture other special requirements of coil type or clip quantity upon request.*
Flat loop/Warp

Flat loop concertina wire consists of individual loops of barb tape.

Press the single coil razor wire into flat or press the two loops into flat and then expand them across.

Flat warp concertina wire can be attached directly onto the top of an existing fence or gate.

Flat loop concertina wire is ideal for use where topping needs to be flat against the fence without any overhang either side of the fence or boundary.

Possible site: industrial, private properties, council sites, government utility sites.
Concertina-Single Coil

Single coil concertina wire features simple structure and economical cost. There’s no clips on the coil loop, it can stretch longer than cross type concertina wires.

Single coil concertina wire is ideal for use where needs common security grade for ordinary security.

Possible site: private properties, parking lot, garden.
Concertina-Cross Type

Cross type concertina razor wire is the most widely used in all environments and sites to satisfy medium to highest grade of site security. It has 3 to 5 clips on every neighbour coil loops, which increases the security grades of sites.

Possible site: military site, governments, prison, commercial sites, private residences, school.
RAZOR WIRE TYPES

Welded Razor Mesh

Weld the straight line razor wires into meshes with diamond or rectangular hole patterns.

It has simple but high security structure for both private and commercial applications.

Welded razor wire can be attached or welded onto the frame as security fence.

It can also be used as additional security measure for other security fences.

Possible site: private residences, commercial sites, construction sites, power stations.
**Straight Lines**

*Straight line razor wire* is the simplest type of all razor wire. It is an alternative to barbed wires.

The sharp barbs and visual determent of straight line razor wire has higher security performance than barbed wire.

It need used combined with other fences as additional security tools.

It can also be installed on the wall topping to prevent intruders from entering.

**Possible site:** private residences, commercial sites, construction sites, power stations.
Double concertina razor wire is combined with two different coil diameter of razor wire with steel wires or steel ropes. It is the advancement of common concertina wires. It has the highest security grade among all types of razor wires.

It is suitable for use where need highest grade of security purpose.

Possible site: military site, governments, prison, commercial sites, private residences, school.
STANDARD & QUALITY CONTROL

International Standard


Quality Control

ISO 9001 Certificated
ISO 14001 Certificated
Quality Test

1. Core Wire Diameter Test
2. Barb Thickness Test
3. Barb Length Test
4. Barb Width Test
5. Barb Spacing Test

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BULK LOADING
It is only suitable for the concertina wire with same diameter. It can save lots of spaces and transport freights for customers.

BUNDLE LOADING
It is especially suitable for the different coil diameter razor wire. It is also available for razor wire with same coil diameters.
Installation types

- Tie Wire.
- Barb Arm.
- Welding.

Installation scene

Razor wire is commonly used individually as a fence or wall topping for site and border security.

- **Wall Topping**
  
  barb arm with flange fasten the razor wire on the brick or concrete wall. Sometimes, tie wire is also needed.

- **Security Fencing**

  Wed onto frames or attach onto posts as physical barriers.

- **Fencing Topping or Bottom**

  Use tie wire or barb arm fasting to prevent intruder climbing and crawling.

- **Ground**

  Deployment or tie wire form barrier and separation line.

- **Ship**

  Tie wire attachment to defend ship from pirate attacking.
Wall Topping

Security Fencing

Fence Topping & Bottom

Fence Topping, Center & Bottom

Single Barb Arm Installation

Double Barb Arm Installation

Ground – Farm Protection

Ship Guard

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Barbed Tape can act as the additional barrier in conjunction with other security fencing system, such as chain link fencing, high security anti-climb 358 mesh fencing, palisade fencing and welded mesh fencing.
APPLICATIONS

- Prison.
- Ship.
- Factories & industrial sites
- Military installations

- Refineries
- Government buildings.
- Power stations.
- Airports.

- Temporary barriers.
- Police stations.
- Farmland.

Airport

Residence

Seaside

Cargo Ship

Railway

Factory
This is the best Chinese supplier I have ever met. I had a bad impression of China before, because I met several cheaters. Luke is like my family and help me a lot. I also help him and give him 2–3 containers of concertina wire per month. I don’t want to comment, but it doesn’t matter, I believe Luke will give me a better price.

I worked with old supplier for a few years, and Luke found me. I like him as well as his price. After the trial order, I found that his quality and price can help me open a bigger market. Thank him, Happy New Year!

I think the price is the most important, so I chose Hebei Jinshi.

For several years, I have found that their products are not rusting. My other suppliers are obviously not so good. I was thinking, why same specification but quality too much different!

I have visited Jinshi factory in Hebei, a lot of machines. Most important, they use quality materials. Many of my products were supplied to the government, only Jinshi and the other producer can reach up to standard. But the price of the other supplier is toooooo high.

I have a lot of suppliers and Luke is one of them. I am almost satisfied with all the suppliers and I hope they will give me more support.

I was negotiating with Luke for trade credit because other companies disagreed and didn’t know why, we have been working together for so many years and they would rather lose their orders.

Of course, Luke is also a very large supplier with good quality, good delivery times. I need to produce 5 containers in 15 days, he can do it. Good luck!
Hebei Jinshi Industrial Metal Co., Ltd.

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