CORPORATE PROFILE
Fine plating technology for the future and society
**Longer lasting**

Our wire is coated with several times more zinc than other commercially available wire, making durable lifetimes several times longer too.

**Point 1.** More economical

Our wire is economical because it is so long-lasting and very rarely needs replacing.

**Point 2.** Easier to use

Our wire has great formability and the plating will not flake off however much the wire is bent.

**Point 3.** Better looking

Our wire does not rust. It does not break and keeps its beautiful luster for a long time.

**Point 4.** Fine plating technology for the future and society

SAKURATECH aims at contributing to every application and industrial society as a pioneer of ultra thick galvanization technology, and continues to supply to all job sites, and fields from civil engineering to everyday items through the development, manufacture and sale of wire products. We will lead the future of galvanized iron and steel wire through the trust and achievements that we establish continuously as a high valued planning and development company.

**Steel wire**

SAKURATECH’s ultra thick galvanized steel wire uses only high quality materials purchased from the strictly selected manufactures. We pursue various properties thoroughly in accordance with the application and environment of use, etc.

**Iron-zinc alloy layer**

Iron and zinc form an alloy easily at high temperatures and an iron-zinc alloy layer is formed on the surface of galvanized steel wire. This alloy layer is hard and brittle. SAKURATECH controls the thickness of this layer in accordance with the application to increase the strength of the plating and its workability.

**Galvanized layer**

The galvanized layer not only shields the steel wire from the external environment, but also has the function of protecting the iron from corrosion as the zinc corrodes preferentially. The thickness of this layer determines the lifetime of galvanized steel wire.

**Company History**

November 1939
Sakura Steel Wire Co., Ltd., founded in Higashi Osaka City, Osaka Prefecture; started production of stainless steel wire and other special steel wire.

April 1948
Converted to production of flexible steel wire products (mainly galvanized steel wire)

October 1972
First company in Japan to succeed in the commercialization of ultra thick galvanized steel wire

February 1977
Constructed a high-speed galvanizing plant in Kani City, Gifu Prefecture in association with increased demand for ultra thick galvanized steel wire (introduced gas wiping technology from AWI of Australia), enabling the production of wire with a zinc coating weight of 500g per square meter.

October 1991
Company changed name to SAKURATECH Co., Ltd.

July 1993
Reacquired the license to display “JIS G 3532 steel wire” and “JIS G 3547 Galvanized steel wire” in association with the amendment and institution of the JIS, started sales of zinc-aluminum alloy galvanized steel wire.

April 2007
Closed Osaka Plant and concentrated production at Gifu Plant

July 2008
Received certification for the new JIS mark display system.

April 2009
Developed rough galvanized steel wire to the new standard of the Ministry of Land, Infrastructure, Transport and Tourism.

**Company Guide**

**Company Name** SAKURATECH Co., Ltd.

**Founded** November 1939

**Capital** ¥ 90,600,000

**President** Hidenori Ohashi

**Headquarters**
Head Office / Warehouse
3-10-7 Kawada, Higashi-Osaka, Osaka, 578-0005, JAPAN
TEL. +81-72-884-1324
FAX. +81-72-888-1619

Gifu Plant
2-18 Himegaka, Kani, Gifu, 509-0249, JAPAN
TEL. +81-574-62-6261
FAX. +81-574-62-6784
We order various materials matched to the application from carefully selected wire material manufacturers and carry out acceptance inspections of the type of packing and external appearance, etc. In addition, we also carry out material inspections that check the adequacy of the wire rods.

1. Purchasing / material inspection
We remove the scaling on the surface of the wire rods and adopt the appropriate wire drawing technique for the application. We use a carbide die to draw the wire out to the designated size efficiently.

2. Wire drawing

3. Annealing / plating / winding
In the annealing process that softens the drawn out steel wire, we adjust the temperature settings and processing time in accordance with the product category and size. Also, in the galvanization process, we can produce products of all grades using various technologies such as the gas wiping method, etc. After galvanization, the wire is wound onto carriers.

4. Inspection
We inspect whether or not products clear the designated specifications such as wire diameter, tensile strength, elongation, zinc coating weight, etc.

5. Storage / shipping
Products are entered and dispatched to and from the rack building under computer control. We take all possible measures over storage conditions so that products are not discolored, etc., using dehumidification equipment, and deliver products of certain quality using a just-in-time system.
We respond to the various demands of customers with a variety of products.

Galvanized steel wire is used in a variety of areas such as basket mats, rockfall prevention nets and aquaculture nets, etc. However, the strength, durability and workability required differ in each area where the products are used. SAKURATECH develops the most appropriate steel wire for each respective application. We command a plentiful line-up of products that is received well in various industries.

1. New Ganbaru Z Techno-Sarf
(Rough galvanized steel wire with 10% zinc-aluminum alloy)

This is a rough galvanized steel wire with 10% zinc-aluminum alloy developed for use in basket ( gabion) mats' cover net area. This product has more than twice the durability of zinc galvanized steel wire and has been processed to make it difficult to slip on in consideration of work safety in response to the new standard of the Ministry of Land, Infrastructure, Transport and Tourism.

Details: p.07

2. Ganbaru Z
(Galvanized steel wire with 10% zinc-aluminum alloy)

This is a galvanized steel wire with 10% zinc-aluminum alloy that combines the strength of aluminum with the protective capabilities of zinc plating to realize more than twice the durability of zinc plated galvanized steel wire and flexible workability. This product has been adopted for use in rivers nationwide.

Details: p.08

3. Ultra thick galvanized wire for use in aquaculture

This is ultra thick galvanized wire for use in aquaculture that fitted market needs using the galvanizing technology and product development capabilities that SAKURATECH has built up over many years. We supply high value added products based on 4 types of ultra thick galvanized wire that use highly corrosion resistance wire rods and combine superior corrosion resistance and durability properties.

Details: p.09 / p.10

4. Ganbaru Z high carbon steel wire
(High carbon galvanized steel wire with 10% zinc-aluminum alloy)

The concrete block embankment protection construction method continues to be adopted as a neo-natural river reconstruction method. Ganbaru Z high carbon steel wire is a concrete block connection wire that uses strong steel wire giving it superior characteristics in terms of both strength and durability.

Details: p.11

5. Ganbaru Z hard steel wire
(Galvanized hard steel wire with 10% zinc-aluminum alloy)

This product has the same excellent durability as conventional Ganbaru Z and is used mainly as a civil engineering and construction material. We increase its strength without carrying out annealing, allowing this product to display its power in usage under even tougher conditions.

Details: p.11

6. Rockfall prevention nets

Details: p.12

7. Wire fencing
  - Mesh fence / Netting fence

Details: p.12

8. SS barbed wire
  - (Barbed wire)

Details: p.12

9. Yutaka
  - (Standard wire for use on fruit farms)

Details: p.12

10. Standard galvanized steel wire
    - (JIS G 3547)

Details: p.13

11. Special ultra thick galvanized steel wire (make to order)

Details: p.13
New Ganbaru Z Techno-Sarf
(Rough galvanized steel wire with 10% zinc-aluminum alloy)

This is a galvanized steel wire with zinc-aluminum alloy that is difficult to slip on. We developed this product for use in cover netting in consideration of the securement of safety during basket mat construction work and the safe use of waterfront areas after the completion of work. This product has a highly corrosion resistant structure for more than twice the corrosion resistance of conventional galvanized steel wire.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter tolerance (±mm)</th>
<th>Tensile strength (N/mm²)</th>
<th>Elongation (%)</th>
<th>Coating weight (g/m²)</th>
<th>Aluminum concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Ganbaru Z Techno-Sarf</td>
<td>N50AZR</td>
<td>4.00</td>
<td>0.10</td>
<td>290 or more</td>
<td>10 or more</td>
<td>500 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ganbaru Z
(Galvanized steel wire with 10% zinc-aluminum alloy)

This product was developed to preserve a long life even in punishing environments of quick corrosion for fences and basket mats in industrial zones and coastal areas. We combined the strength of aluminum with the protective capabilities of zinc by applying aluminum and zinc alloy plating to realize the best durability and workability. With the gabion method that uses natural stones to build up protection the greenery of plants comes back to life in a very short time without spoiling the view.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter tolerance (±mm)</th>
<th>Tensile strength (N/mm²)</th>
<th>Elongation (%)</th>
<th>Coating weight (g/m²)</th>
<th>Aluminum concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ganbaru Z</td>
<td>300AZ</td>
<td>3.20</td>
<td>0.09</td>
<td>290 or more</td>
<td>10 or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.00</td>
<td>0.10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>6.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>9.00</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The wire diameters shown above differ in special order products.*
Ultra thick galvanized wire for use in aquaculture

Ultra thick galvanized steel wire

We realized strong corrosion resistance with ultra thick galvanization in excess of the specifications. This is the standard galvanized wire with extensive results in aquaculture cages.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter tolerance (±mm)</th>
<th>Tensile strength (N/mm²)</th>
<th>Elongation (%)</th>
<th>Coating weight (g/m²)</th>
<th>Aluminum concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ganbaru Z special galvanized wire</td>
<td>500R</td>
<td>2.60</td>
<td>0.08</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>3.20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.20</td>
<td>0.09</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>3.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.60</td>
<td>0.10</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>4.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.00</td>
<td>0.12</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>--</td>
</tr>
</tbody>
</table>

Ultra thick galvanized steel wire with zinc-aluminum alloy (Special galvanized wire with 10% zinc-aluminum alloy)

Even in rough marine environments where corrosion progresses easily, this wire displays astounding durability because of the strong coating effects of the 10% zinc-aluminum alloy plating. Moreover, we doubled corrosion resistance in comparison to ordinary wire materials by using highly corrosion resistant wire rods. In combination with its high strength, this product can also withstand severe bending and winding and does not break or crack.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter tolerance (±mm)</th>
<th>Tensile strength (N/mm²)</th>
<th>Elongation (%)</th>
<th>Coating weight (g/m²)</th>
<th>Aluminum concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ganbaru Z special galvanized wire</td>
<td>500R</td>
<td>2.60</td>
<td>0.08</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>3.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.20</td>
<td>0.09</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>3.20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.60</td>
<td>0.10</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>3.60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.00</td>
<td>0.12</td>
<td>290-540</td>
<td>10 or more</td>
<td>500 or more</td>
<td>4.00</td>
</tr>
</tbody>
</table>

Ordinary wire rod and highly corrosion resistant wire rod corrosion comparison survey results

The strength of the highly corrosion resistant wire rod used in Ganbaru Z special galvanized wire has been proven by many tests and a lot of data.

Undersea corrosion test: Aquaculture cage corrosion comparison (We manufactured aquaculture cages using unprocessed steel wire and actually reared fish to confirm the state of corrosion)

Corrosion of highly corrosion resistant wire rod

A layer of thickened chrome was confirmed at the boundary of the iron and corrosion. The progress of corrosion is controlled by the action of the chrome.
Ganbaru Z high carbon steel wire
(High carbon galvanized steel wire with 10% zinc-aluminum alloy)

We used hard steel wire as the material for this zinc-aluminum alloy galvanized wire to realize high strength and durability that cannot be obtained using flexible steel wire. Ganbaru Z high carbon steel wire uses those superior properties to support the safety of the concrete block embankment protection construction method.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter</th>
<th>Diameter tolerance</th>
<th>Tensile strength</th>
<th>Elongation</th>
<th>Coating weight</th>
<th>Aluminum concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ganbaru Z high carbon steel wire</td>
<td>30DAZH</td>
<td>6.00</td>
<td>0.12</td>
<td>690 or more</td>
<td>10 or more</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.00</td>
<td>0.12</td>
<td>690 or more</td>
<td>10 or more</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
</tbody>
</table>

Ganbaru Z hard steel wire
(Galvanized hard steel wire with 10% zinc-aluminum alloy)

This product has the same excellent durability as conventional Ganbaru Z and is used mainly as a civil engineering and construction material. We increase its strength without carrying out annealing, allowing this product to display its power in usage under even tougher conditions.

<table>
<thead>
<tr>
<th>Product name</th>
<th>Code</th>
<th>Diameter</th>
<th>Diameter tolerance</th>
<th>Tensile strength</th>
<th>Elongation</th>
<th>Coating weight</th>
<th>Aluminum concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ganbaru Z hard steel wire</td>
<td>H30AZ</td>
<td>3.20</td>
<td>0.09</td>
<td>540-830</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.00</td>
<td>0.12</td>
<td>490-780</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.00</td>
<td>0.12</td>
<td>490-780</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6.00</td>
<td>0.12</td>
<td>490-780</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8.00</td>
<td>0.12</td>
<td>490-780</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9.00</td>
<td>0.12</td>
<td>490-780</td>
<td>—</td>
<td>300 or more</td>
<td>10 or more</td>
</tr>
</tbody>
</table>

SAKURATECH’s thick galvanized wires have a good reputation for their durability and corrosion resistance and the needs for these wires are extending over the wide fields.

Rockfall prevention nets

This product supports the road safety any and all places.

Wire fencing

SAKURATECH’s thick galvanized wire is being used to produce wire fencing protects people at danger zones, schools, car parks, etc.

Mesh fence

Netting fence

SS barbed wire
(Barbed wire)

This product has been favorably received by many farmers since its release onto the market.

Yutaka
(Standard wire for use on fruit farms)

This is a best seller among wires for use on fruit farms as an economical product.
Standard galvanized steel wire (JIS G 3547)

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter (inch)</th>
<th>Wire strength (MPa)</th>
<th>Elongation</th>
<th>Number of tests</th>
<th>Coating weight (g/10m)</th>
<th>Winding Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1.25</td>
<td>0.05</td>
<td>50,000</td>
<td>1%</td>
<td>6</td>
<td>28.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.55</td>
<td>0.06</td>
<td>60,000</td>
<td>1.5%</td>
<td>6</td>
<td>38.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.75</td>
<td>0.07</td>
<td>70,000</td>
<td>2%</td>
<td>12</td>
<td>48.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.90</td>
<td>0.08</td>
<td>80,000</td>
<td>2.5%</td>
<td>12</td>
<td>58.0</td>
<td>Single wire</td>
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<tr>
<td></td>
<td></td>
<td>2.10</td>
<td>0.10</td>
<td>90,000</td>
<td>3%</td>
<td>12</td>
<td>68.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.30</td>
<td>0.12</td>
<td>100,000</td>
<td>3.5%</td>
<td>12</td>
<td>78.0</td>
<td>Single wire</td>
</tr>
</tbody>
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Galvanized steel wire (S)

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter (inch)</th>
<th>Wire strength (MPa)</th>
<th>Elongation</th>
<th>Number of tests</th>
<th>Coating weight (g/10m)</th>
<th>Winding Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2.50</td>
<td>0.13</td>
<td>110,000</td>
<td>4%</td>
<td>18</td>
<td>88.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.70</td>
<td>0.15</td>
<td>120,000</td>
<td>4.5%</td>
<td>18</td>
<td>98.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.90</td>
<td>0.17</td>
<td>130,000</td>
<td>5%</td>
<td>18</td>
<td>108.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.10</td>
<td>0.19</td>
<td>140,000</td>
<td>5.5%</td>
<td>18</td>
<td>118.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.30</td>
<td>0.21</td>
<td>150,000</td>
<td>6%</td>
<td>18</td>
<td>128.0</td>
<td>Single wire</td>
</tr>
</tbody>
</table>

Galvanized steel wire (H)

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
<th>Diameter (mm)</th>
<th>Diameter (inch)</th>
<th>Wire strength (MPa)</th>
<th>Elongation</th>
<th>Number of tests</th>
<th>Coating weight (g/10m)</th>
<th>Winding Method</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3.50</td>
<td>0.23</td>
<td>160,000</td>
<td>6.5%</td>
<td>18</td>
<td>138.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.70</td>
<td>0.25</td>
<td>170,000</td>
<td>7%</td>
<td>18</td>
<td>148.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.90</td>
<td>0.27</td>
<td>180,000</td>
<td>7.5%</td>
<td>18</td>
<td>158.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.10</td>
<td>0.29</td>
<td>190,000</td>
<td>8%</td>
<td>18</td>
<td>168.0</td>
<td>Single wire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.30</td>
<td>0.31</td>
<td>200,000</td>
<td>8.5%</td>
<td>18</td>
<td>178.0</td>
<td>Single wire</td>
</tr>
</tbody>
</table>

For the sake of stable supply

In addition to a wealth of experience and accumulated technology in regard to galvanization, SAKURATECH will redouble its research efforts and provide high-quality products that are able to respond quickly to the demands of customers.

Product inspections

In order to create high-quality products

SAKURATECH carries out strict manufacturing control from the acceptance of wire rod to each step in the manufacturing process and carries out quality checks from the standpoint of the customer. We carry out regular inspections based on various mechanical tests to pursue more stable quality levels. In addition, we also conduct analyses of corrosion properties, workability, and strength, etc., in accordance with the application.

Storage/shipping

In order to provide fast, safe service

SAKURATECH has both Iwaki Warehouses and Osaka Warehouses where it stores products so as to transport those products to customers more quickly. We take all possible measures over storage conditions so that products are not discolored, etc., using dehumidification equipment, and deliver products of certain quality using a just-in-time system.

Hidenori Ohashi, President

Since becoming the first company in Japan to succeed in the development of ultra-thick galvanized steel wire in 1972, we have contributed to the creation of a more prosperous society through the manufacture and sale of high-quality wire products.

In recent years, the changing of the times has become more and more complicated and uncertain, and with things such as the rapid technological innovation in our customers’ industries and changes in the economic structure, we find ourselves in a situation that will not let us stand still. In such circumstances, we value the needs of our customers above all else and are working on making better products and creating new products standing truly in the position of the customer. In addition to a wealth of experience and accumulated technology in regard to galvanization, we intend to redouble our research efforts and strive together as a company towards the development of new products that the age demands.

SAKURATECH Co., Ltd.

Automated product warehouse

Cold warehouse