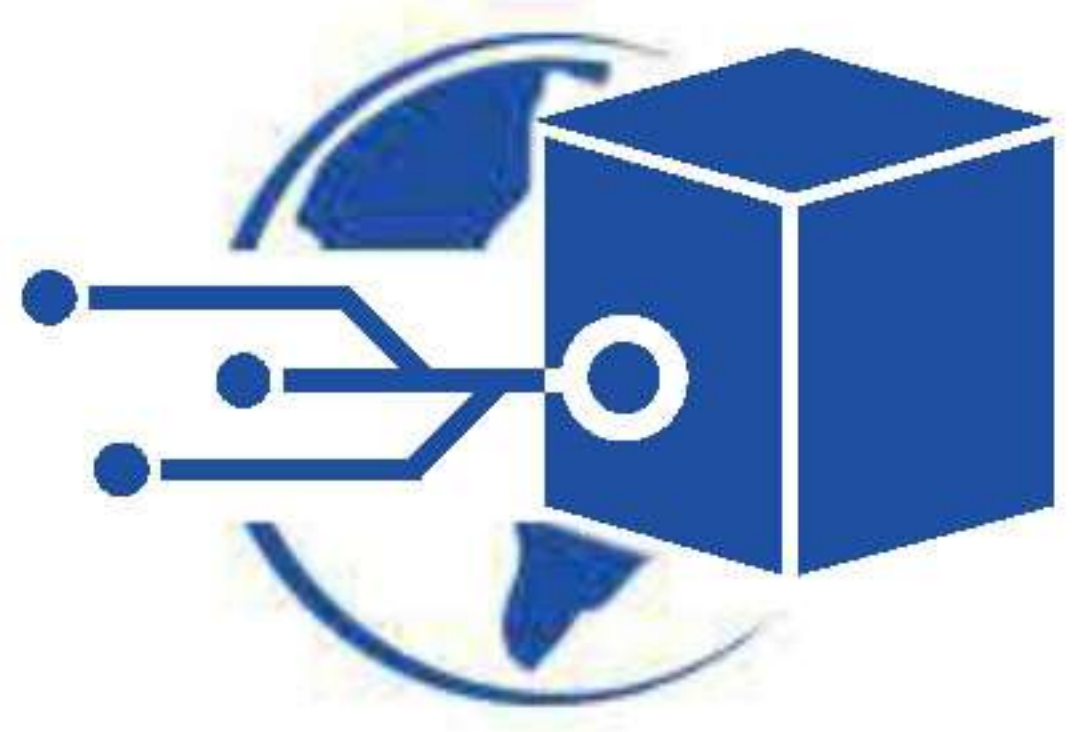


# Analysis Diagram

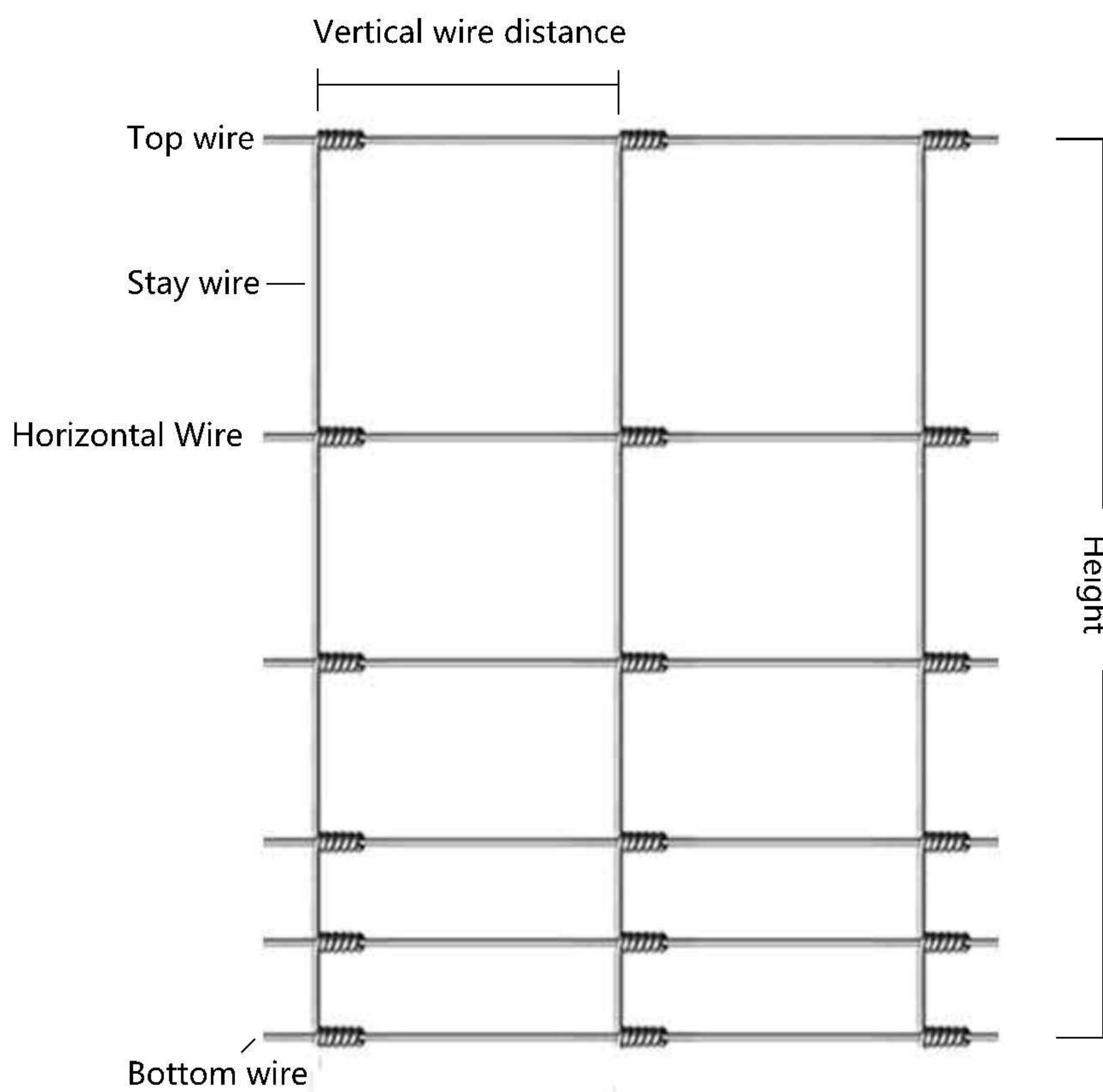
## Field fence



### Hinge Joint Fencing

The hinge joint knots also called field fence ,grassland fence ,cattle wire fence .The hinge joint knot is found on both galvanized low carbon and high tensile wire products.

This is the most common knot in agricultural fencing. The knot is formed by wrapping the vertical stay wire pieces around the line wire at each intersection. This design can also absolve animal impact without damage and is the most economical knot choice available. Besides, they also can be used with barbed wire or chicken wire for farm fencing, garden fencing, road fencing, forest fencing and so on.

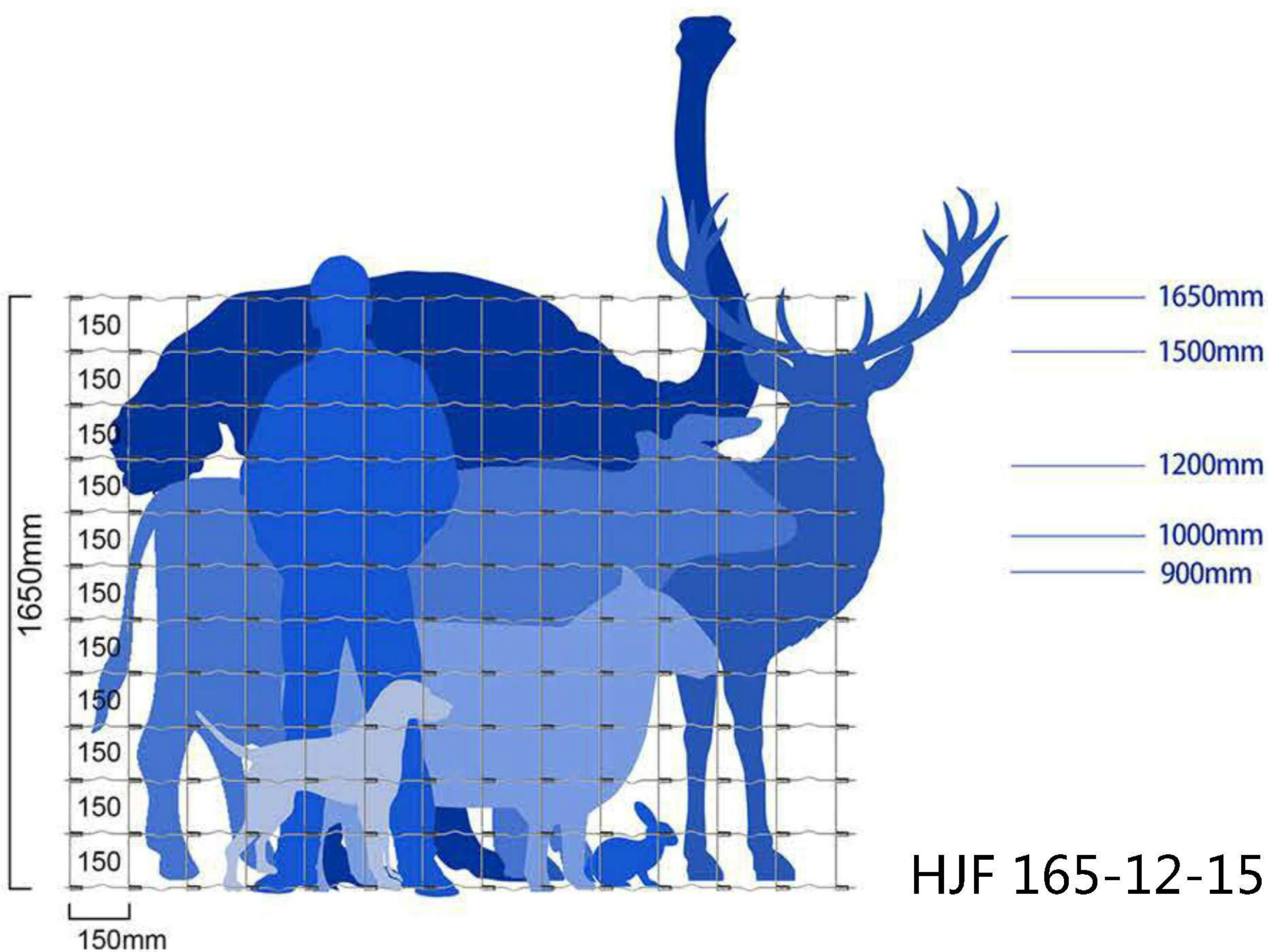


**Height Range :** 0.6 to 2.5 meter available .

**Vertical wire distance :** 50, 100,150,200,250, 300,350,400mm available

**Length :** 50 Meter , 100 Meter and 150 Meter available .

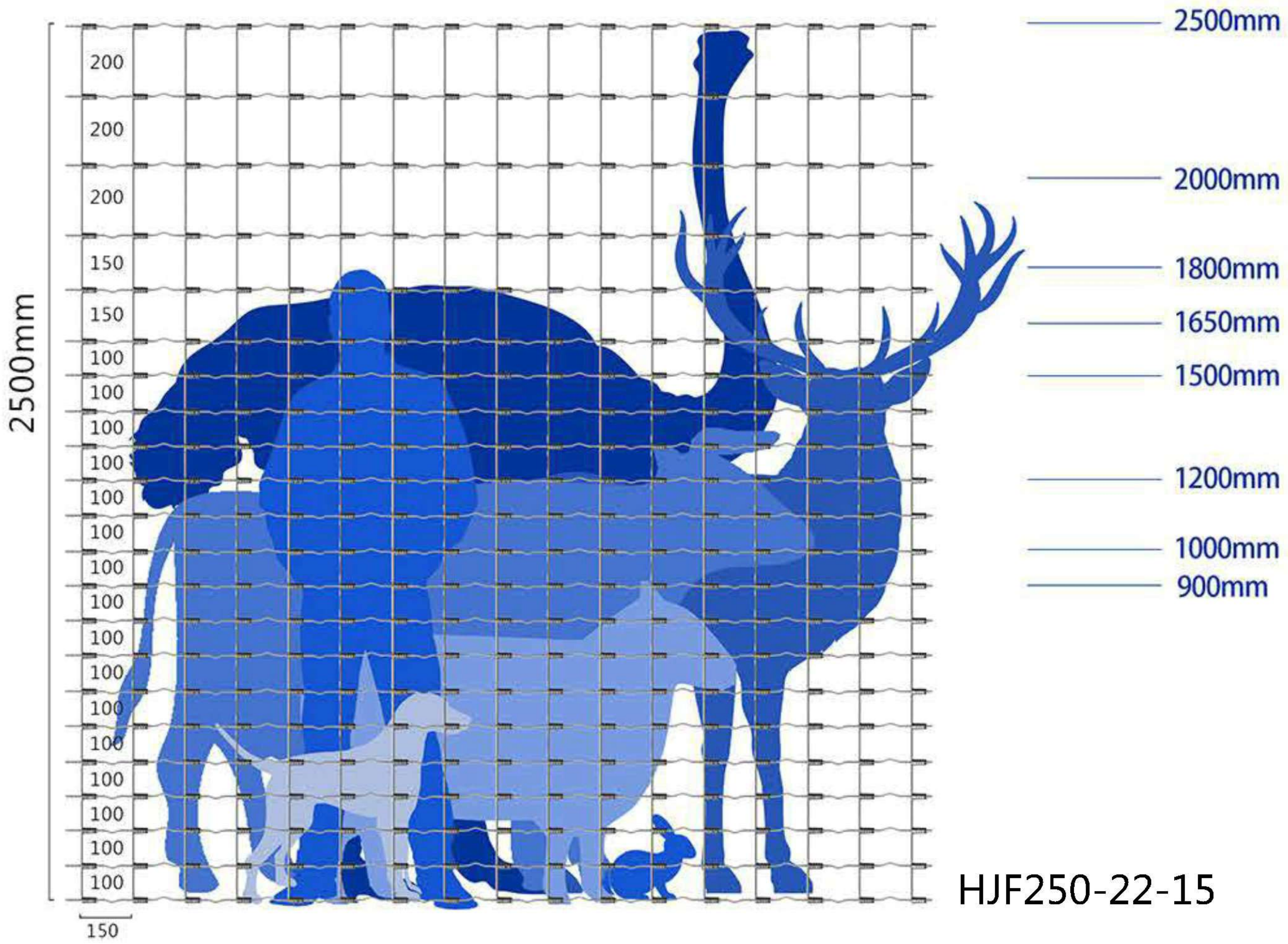
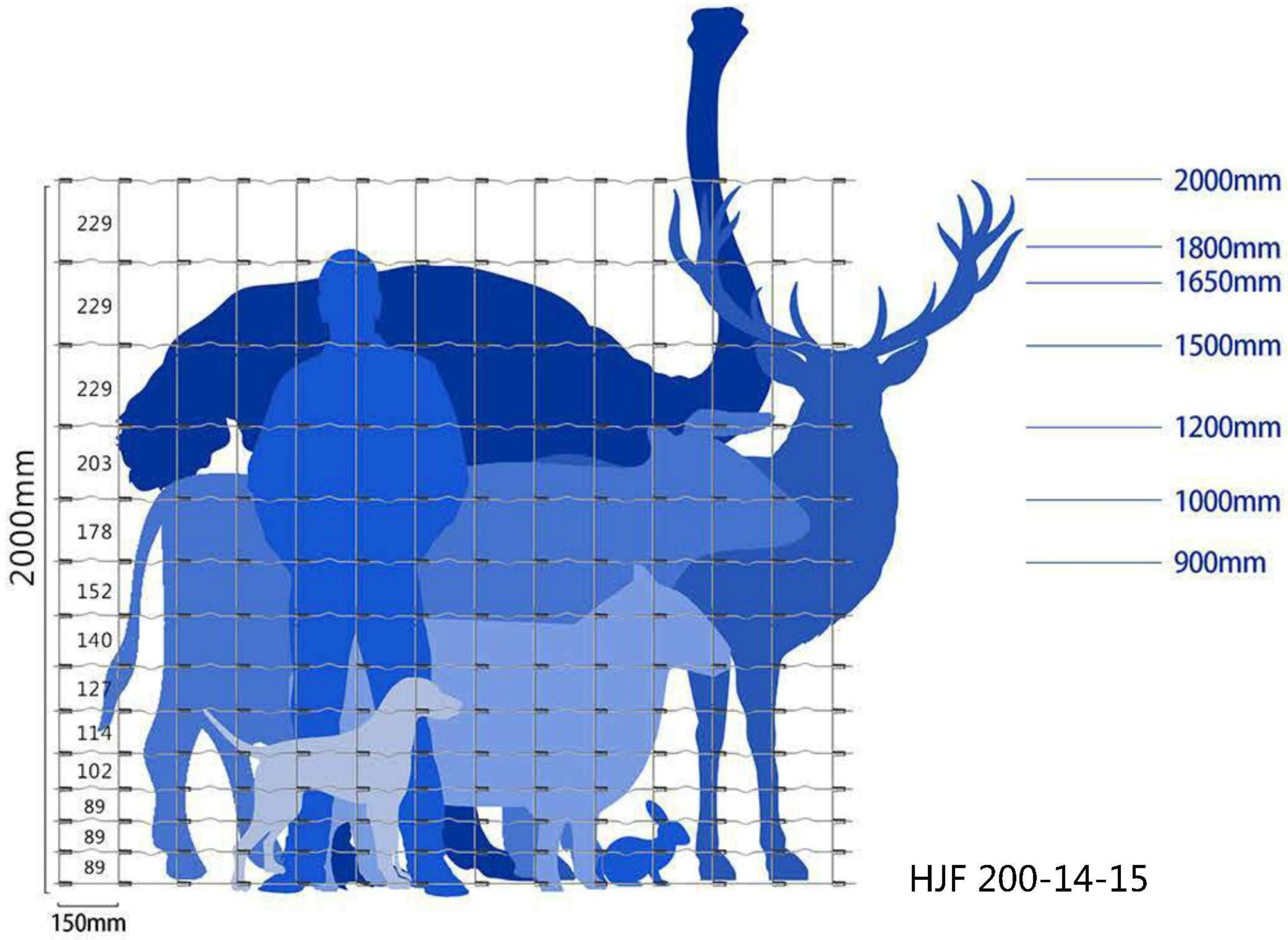
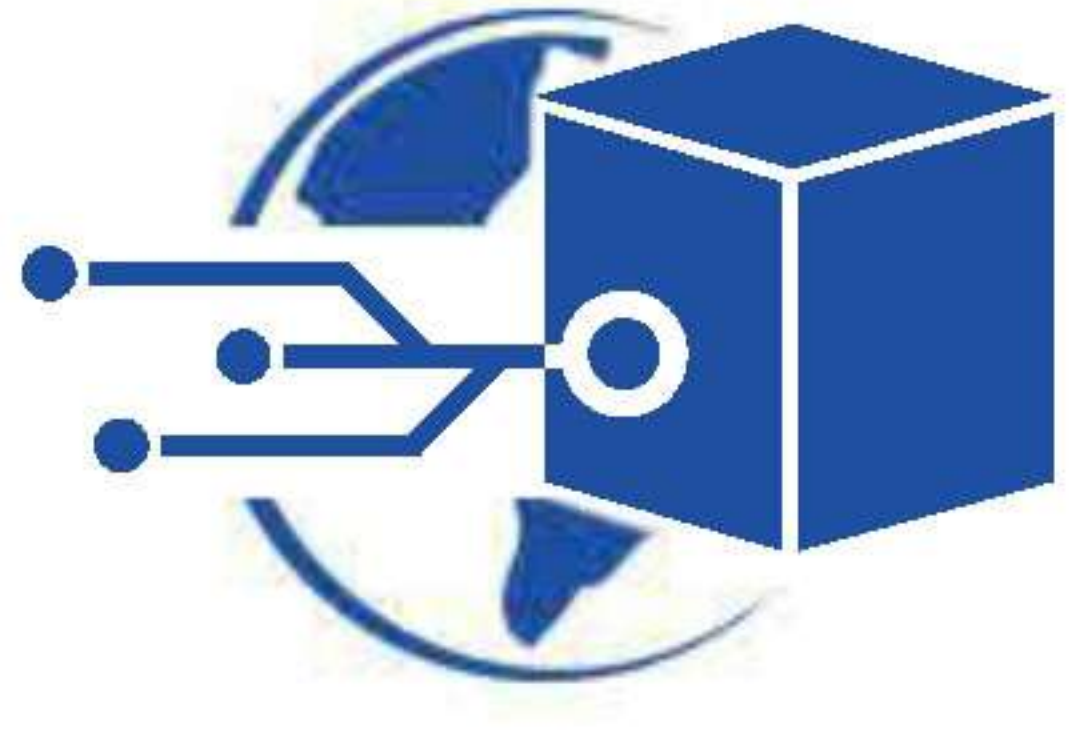
**Wire Material Finishing :** Hot Dipped Galvanized , Electro Galvanized .



HJF 165-12-15

# Analysis Diagram

Field fence



# Specification Table

## Field fence



### Hinge Joint Field Fence

The hinge joint knots also called field fence ,grassland fence ,cattle wire fence .The hinge joint knot is found on both galvanized low carbon and high tensile wire products.

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**Table 1: Wire Diameter and Tensile Strength of Hinge Joint Fencing**

	Light Duty Fence		Middle Duty Fence		Heavy Duty Fence		Extra Heavy Duty Fence	
	Wire Diameter (mm)	Minimum Tensile Strength (N/mm <sup>2</sup> )	Wire Diameter (mm)	Minimum Tensile Strength (N/mm <sup>2</sup> )	Wire Diameter (mm)	Minimum Tensile Strength (N/mm <sup>2</sup> )	Wire Diameter (mm)	Minimum Tensile Strength (N/mm <sup>2</sup> )
Top and Bottom Horizontal Wire Other Horizontal	2.0	650	2.5	650	3.0	650	3.7	650
Wires and Vertical Wire	1.6	450	2.0	450	2.5	450	3.0	450

**Table 2: Common Specifications of Various Types Hinge Joint Filed Fence**

Hinge Joint Field Fence Type	Fence Height (mm)	Horizontal Wire Number	Distance Between the Vertical Wire (mm)	Mesh Opening Number and Mesh Height (mm)	Roll Length (m)
HJF 1050/13/15	1050	13	150	6-75, 6-100	50 100 150
HJF 1250/15/15	1250	15	150	6-75, 8-100	
HJF 1550/18/15	1550	18	150	6-75, 11-100	
HJF 1550/15/15	1550	15	150	11-100, 3-150	
HJF 1850/20/15	1850	20	150	6-75, 11-100, 2-150	
HJF 1850/16/15	1850	16	150	10-100, 3-150, 2-200	
HJF 1950/17/15	1950	17	150	11-100, 3-150, 2-200	
HJF 2000/21/15	2000	21	150	6-75, 11-100, 3-150	
HJF 2400/23/15	2400	23	150	6-75, 11-100, 3-150, 2-20	

# Specification Table

Field fence



## Hinge Joint Field Fence

**Table 3: Recommended Light Duty Hinge Mesh Sizes for Sheep Fencing**

Wire	Wire Diameter (mm)	Strength (N/mm <sup>2</sup> )
Top and Bottom Wire	2.50	≥ 710
Other Wire	1.9	440–540

**Table 4: Recommended Light Duty Hinge Mesh Types for Sheep Fencing**

Type	Height (cm)	Number of Horizontal Wire	Distance Between Vertical Wire (cm)	Distance Between Vertical Wire(cm)
200/24/15	200	24	15, 20, 30	15, 20, 30
200/20/15	200	20		
200/17 15	200	17		
148/18/15	148	18		
147/10/30	147	10		
122/9/15	122	9		
100/14/15	100	14		
100/8/15	100	8		
80/8/15	80	8		
60/6/15	60	6		

**Table 5: Heavy Serious Hinged Joint Fence Recommended Sizes for Pig Fencing or Cow Fencing**

Wire	Wire Diameter(mm)	Strength(N/mm <sup>2</sup> )
Top and Bottom Wire	3.00	≥ 710
Other Wire	2.50	440–540

# Specification Table

Field fence



## Hinge Joint Field Fence

**Table 6: Heavy Serious Hinged Joint Fence Recommended Types for Pig Fencing or Cow Fencing**

Type	Height(cm)	Number of Horizontal Wire	Distance Between Vertical Wire (cm)	Roll Length (m)
200/17/15	200	17	15, 20, 30	50
140/11/15	140	11		
124/9/15	124	9		
100/8/15	100	8		
80/8/15	80	8		

**Table7: Super Heavy Serious Hinge Joint Fencing Recommended Sizes**

Wire	Wire Diameter(mm)	Strength(N/mm <sup>2</sup> )
Top and Bottom Wire	4.00	≥ 710
Other Wire	3	440–540

**Table8: Super Heavy Serious Hinge Joint Fencing Recommended Types**

Type	Height (cm)	Number of Horizontal Wire	Distance Between Vertical Wire (cm)	Roll Length (m)
164/12/15	164	12	15, 20,	50
140/11/15	140	11		
124/9/15	124	9		
120/10/15	120	10		
100/9/15	100	9		
100/8/15	100	8		
100/6/15	100	6		
80/8/15	80	8		

**Table 9: Recommended Hinge Joint Fence Sizes for Hunting Fencing**

Wire	Wire Diameter(mm)	Wire Diameter(mm)
Top and Bottom Wire	2.50	2.50
Other Wire	1.90	1.90

# Specification Table

Field fence

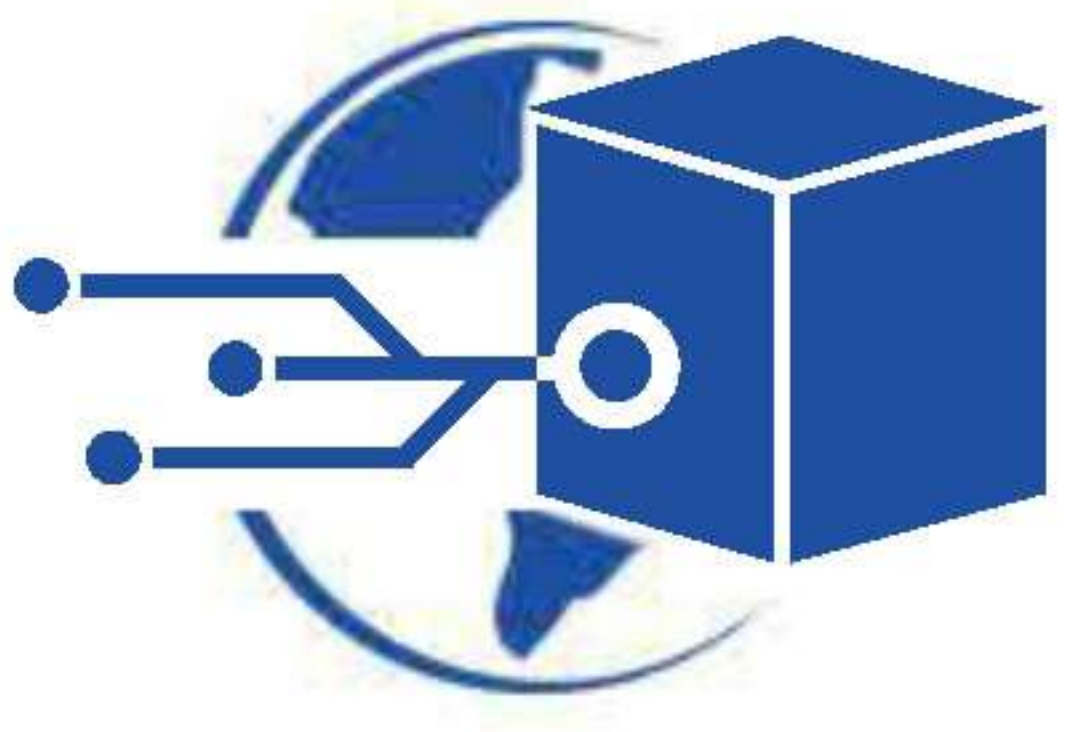


**Table 10: Recommended Hinge Joint Fence Types for Hunting Fencing**

Type	Height (cm)	Number of Horizontal Wire	Distance Between Vertical Wire	Roll Length(m)
200/14/30	200	14	30	100
200/20/30	200	20	30	100

# Analysis Diagram

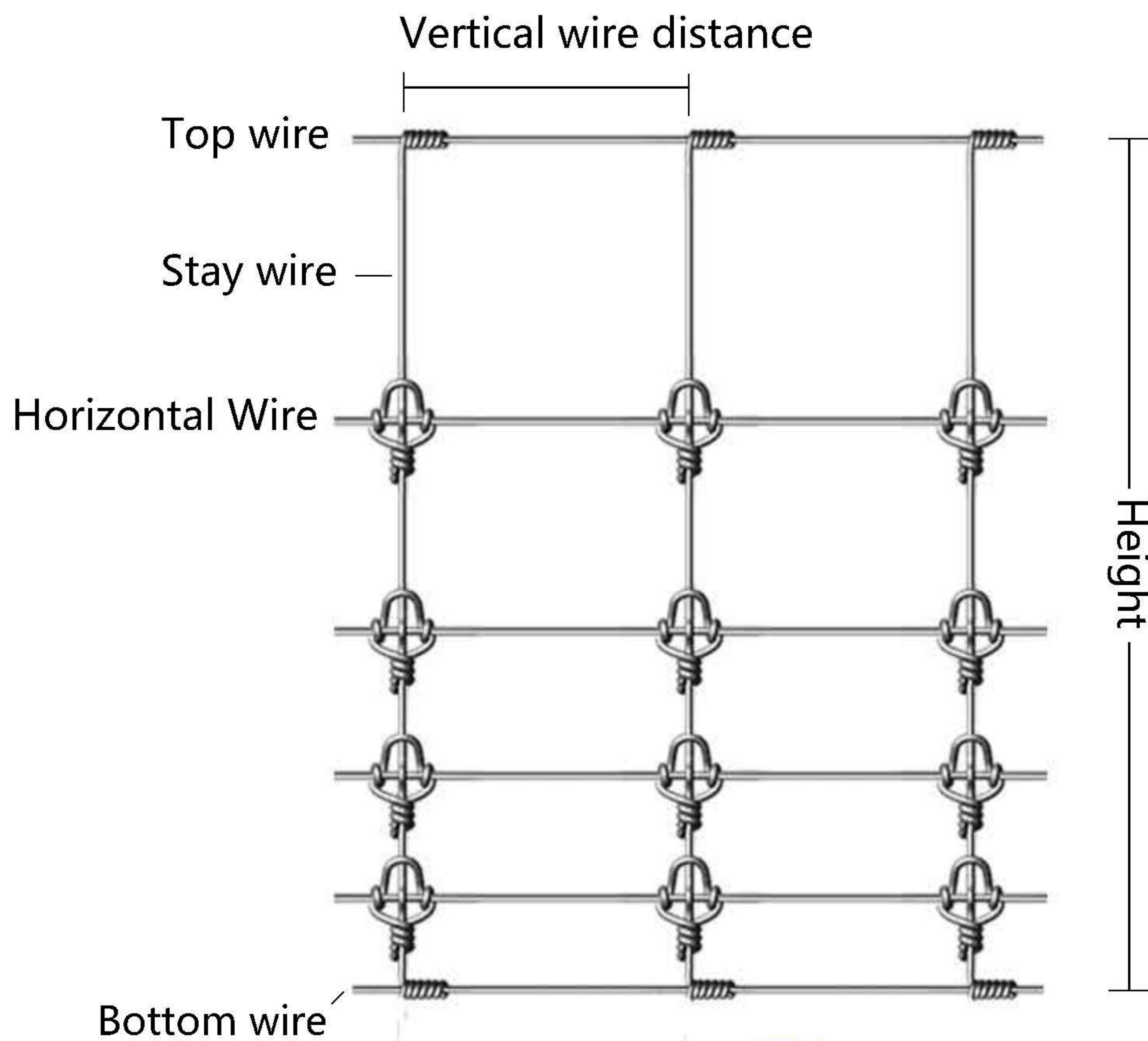
## Field fence



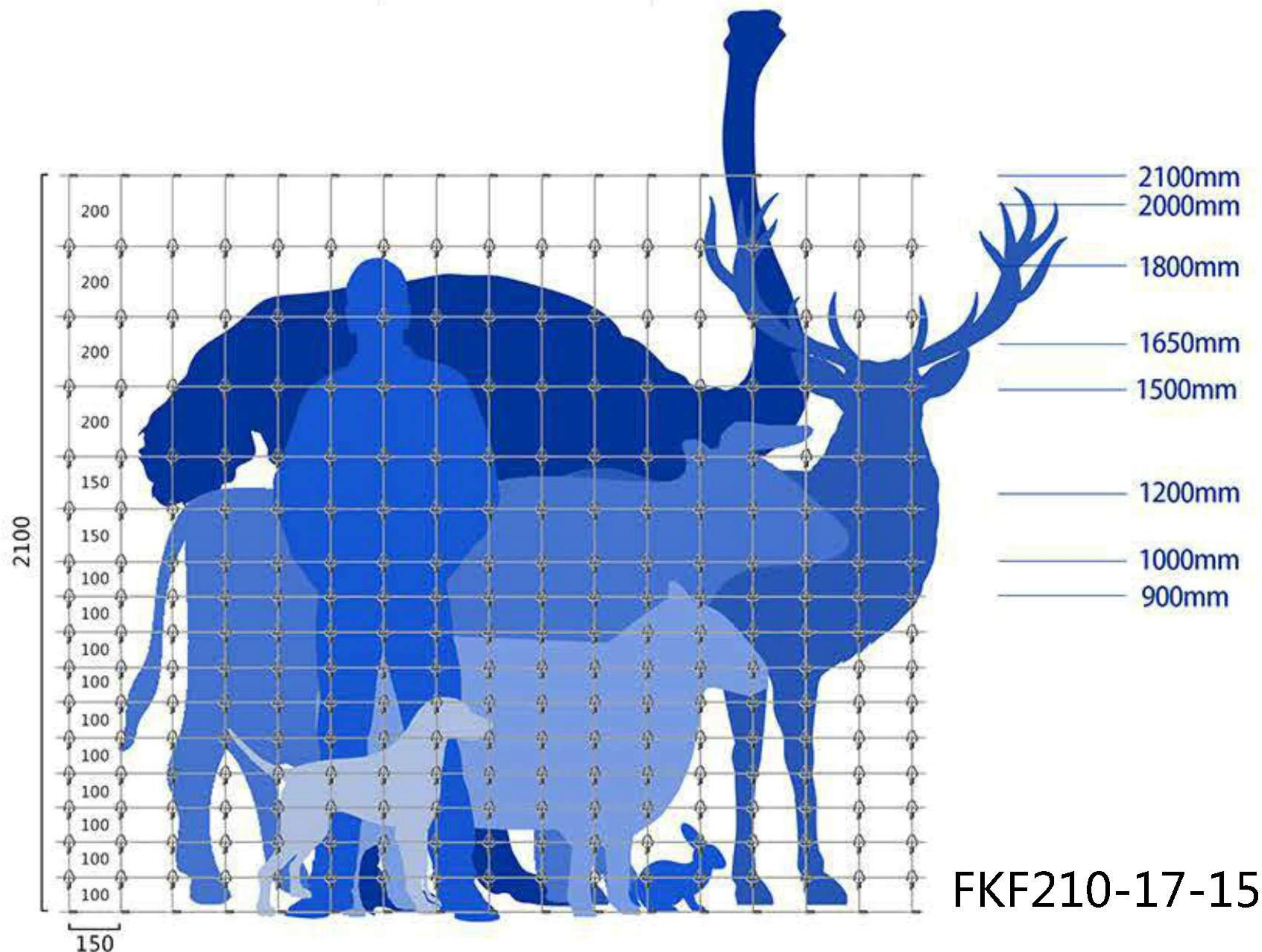
### Fixed knot field fence

Fixed knot field fence, mainly made of high carbon steel wire, is also called game fence, deer fence. It is featured by the solid knot, which combines the hinge joint knot structure. The fixed knot fence options suitable for virtually any application on the farm or ranch.

The Fence are available in a variety of sizes and configurations. The product is identical in their fixed knot design. These products are considered top-of-the-line as the fixed knot utilizes a separate piece of wire tightly wrapped around the line wire and stay wire, increasing the fence's vertical strength allowing for increased post spacing and making it very resistant to animal damage.

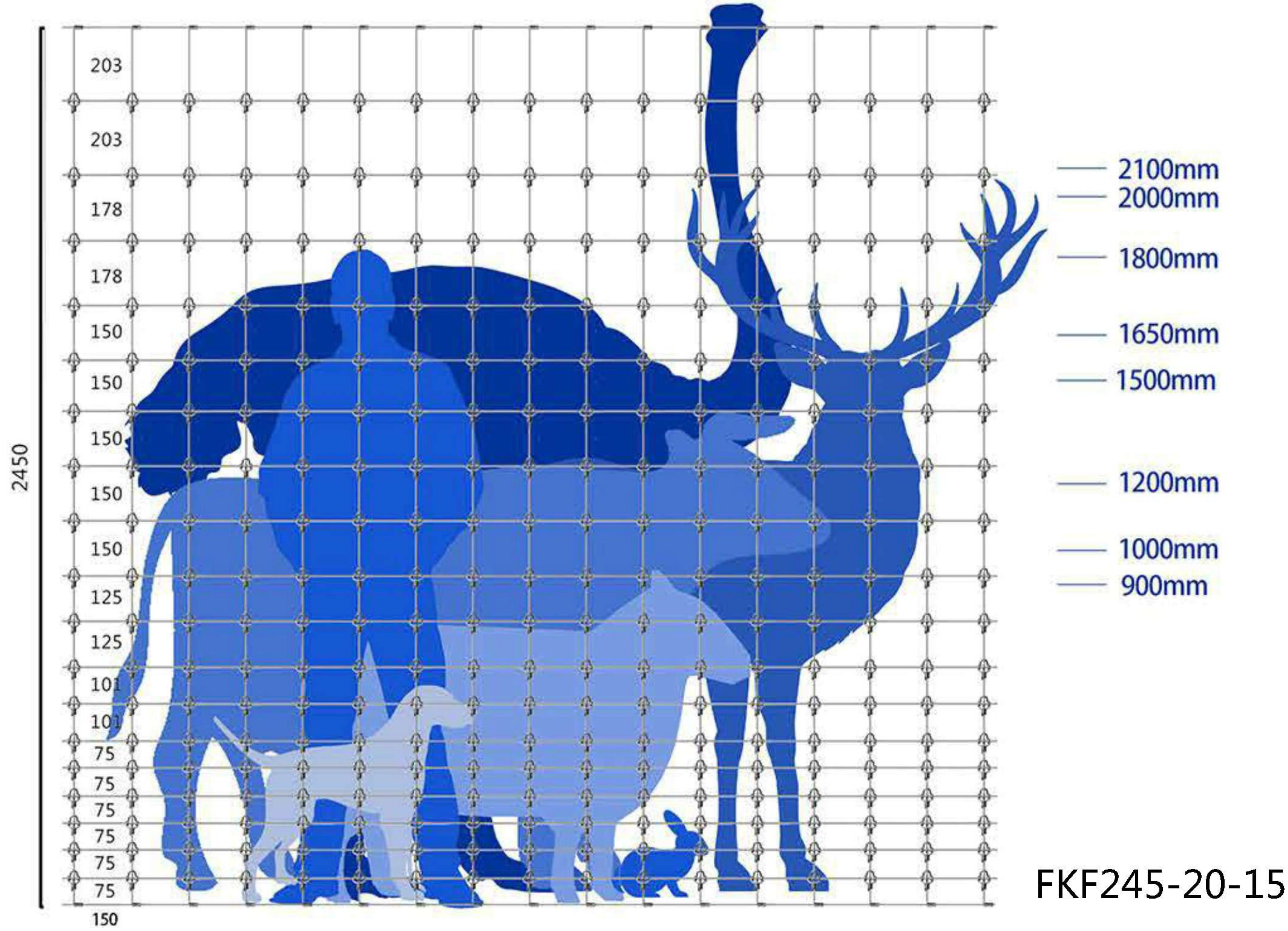


- Height Range :** 0.6 to 2.45 meter available .
- Vertical wire distance :** 50, 100,150,200,250,300 350,400mm available
- Length :** 50 Meter , 100 Meter and 150 Meter available .
- Wire Material Finishing :** Hot Dipped Galvanized , Electro Galvanized



# Specification Table

Field fence



**Table 11: Common Type Fixed Knot Field Fence Specification**

Type	Fence Height (cm)	Number of Horizontal Wire	Distance of Vertical Wire(cm)	Roll Length(m)
FKF 100/8/15	100	8	15	50, 100, 150
FKF 100/8/30	100	8	30	50, 100, 150
FKF 120/9/15	120	9	15	50, 100, 150
FKF 120/9/30	120	9	30	50, 100, 150
FKF 150/11/15	150	11	15	50, 100, 150
FKF 150/11/30	150	11	30	50, 100, 150
FKF 150/14/15	150	14	15	50, 100, 150
FKF 160/20/15	160	20	15	50, 100, 150
FKF 160/23/15	160	23	15	50, 100, 150
FKF 180/13/15	180	13	15	50, 100, 150
FKF 180/24/15	180	24	15	50, 100, 150
FKF 200/18/15	200	18	15	50, 100, 150
FKF 220/26/15	220	16	15	50, 100, 150

Recommended hinged mesh specifications for different applications



# Technical Dates

## Field fence



What wire material it is most suitable for our projects or our customer ?

There is difference steel wire material for you to choose .

- A. Hot dipped galvanized wire
- B. Heavy zinc coated wire
- C. Zinc aluminum alloy wire
- D. PVC coated wire

Wire Material	Difference Wire Material Cooperation			
	Zinc coated	Zinc Layer	Use Life	Price
A	60g/mm <sup>2</sup>	35um	15years	Competitive
B	260g/mm <sup>2</sup>	150um	50 years	Higher
C	260g/m <sup>2</sup> +10%Alu	150um	50 years	Expensive
D	Inner wire 20g/mm <sup>2</sup>	3um +1mm PVC layer	10 years	Only suitable for Edge wire

What is the tensile strength of difference wire material ?

The available wire for produce the wire fence it is : low carbon steel wire , Carbon steel wire (hard type) , high carbon steel wire .

Wire Material	Physical Properties			
	Tensile Strength Mpa	Yield Strength Mpa	Elongation %	V-type shock absorption work (vertical) Ak/J
Low carbon steel wire	350--450	195	33	≥27
Carbon steel wire hard type	550-750	225	37	≥27
High carbon steel wire	1200-1400	350	39	≥27

# QUALITY CONTROL

Field fence



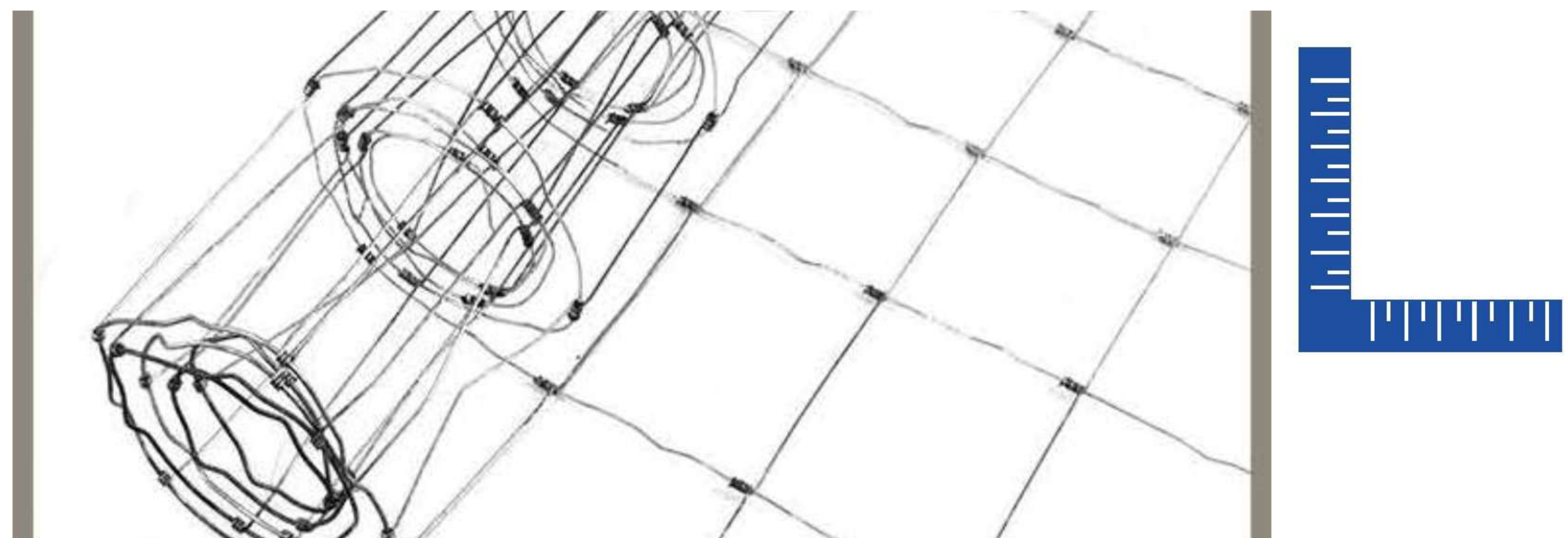
Steel raw material Quality control .  
Our factory cooperated with the big steel factories in China , there is a Factory inspection certificate for each shipment .

There is also a laboratory in our local official office , we can offer for the material test report for steel wire . The Zinc coated amount and the Tensile Strength of the wire can be list on the Test Report



The wire netting machine technical updated .  
Our production department sent our technical staff to study the high technical of the wire netting machine in Australia . Now mostly of our machine have been change.

Strictly control the height and length of each roll to keep the tolerance to a minimum



For the first roll of each order we will measure it and make records . If there is big tolerance we will adjust the machine again . Make sure each roll 's height and length tolerance it is acceptable .