

METALURGIA SA is one of Europe's largest manufacturers of wires and wire products and a leader in the production of galvanized wires in the Polish market. Existing for over 135 years, the company is part of the TRINECKÉ ŽELEZÁRNY-MORAVIA STEEL Group. METALURGIA SA is a strong brand and appreciated by customers for its product quality, which is the result of a long-term care of every detail of the production process in the company.

# KNOTTED FENCING MESH

METALURGIA SA offers three types of knotted fencing mesh with varying dimensions of wires depending on the purpose and requirements of the Customer:

## MSA Light

the lightest fencing mesh well-proven in fencing areas that are not inhabited with large animals; edge wires of a 1.90 mm diameter and the remaining wires of a 1.60 mm diameter are used in its production

## MSA Medium

fencing mesh with a wide spectrum of application; edge wires of a 2.40 mm diameter and the remaining wires of a 1.90 mm diameter are used in its production

## MSA Super

the heaviest fencing mesh of high durability and resistance, with edge wires of a 3.00 mm diameter and other wires with a diameter of 2.50 mm

Depending on the designated application knotted fencing mesh can be made of soft wires with a standard zinc coating or hard wires with **a heavy zinc coating, so-called SPECIAL**

METALURGIA SA offers knotted fencing mesh designed to fence the following areas:

- forest cultivation areas
- arable crops areas
- livestock farming areas
- recreational areas
- temporary construction sites



**METALURGIA SA** has a modern hot-dip wire galvanizing line with a total control of the process, which allows for the highest quality of galvanized wires used in the manufacturing of knotted fencing mesh. Excellent mechanical properties and tight zinc coating ensures a long durability of the fencing mesh.

The knotting system applied in the fencing mesh production not only affects its competitive price but it mainly provides its high tensile strength parameters.

Prior to the selection of the fencing mesh we must always specify the designation of the specific fencing, for example, within the context of the type of animal (deer, roe deer, boars, hares), animal population density in a given area, terrain, rainfall and snowfall intensity as well as snow layer occurrence; the determination of these data will allow for the best possible selection of the type of fencing mesh.

## Fencing mesh symbols

160 / 20 / 15

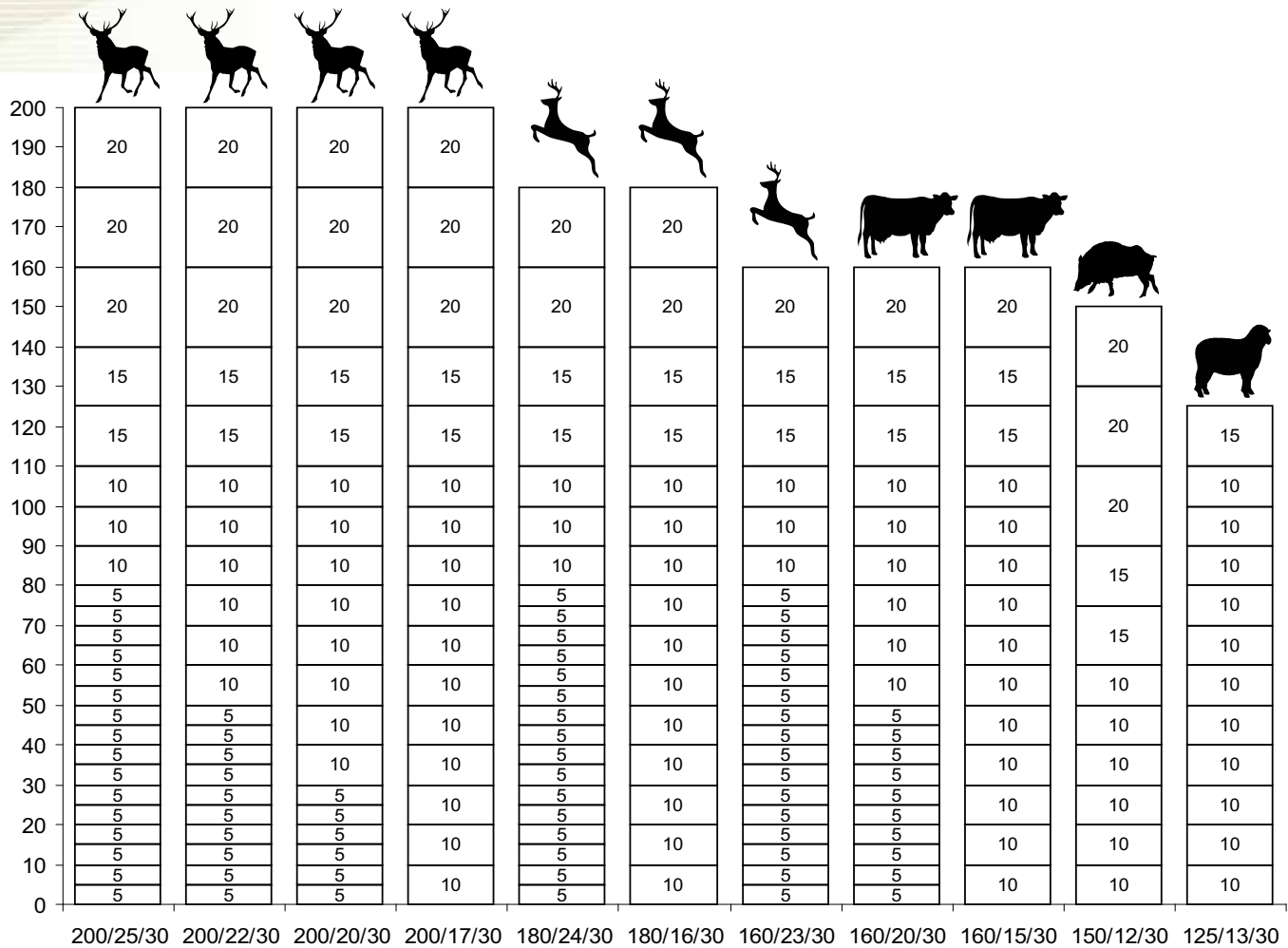
Fencing mesh height in cm / Number of horizontal wires / Distance between the vertical wires in cm



We are also a manufacturer of staples for mounting knotted fencing mesh.



Construction scheme of knotted fencing mesh  
**MSA Medium or Light**  
 with vertical wire spacing of 30 cm



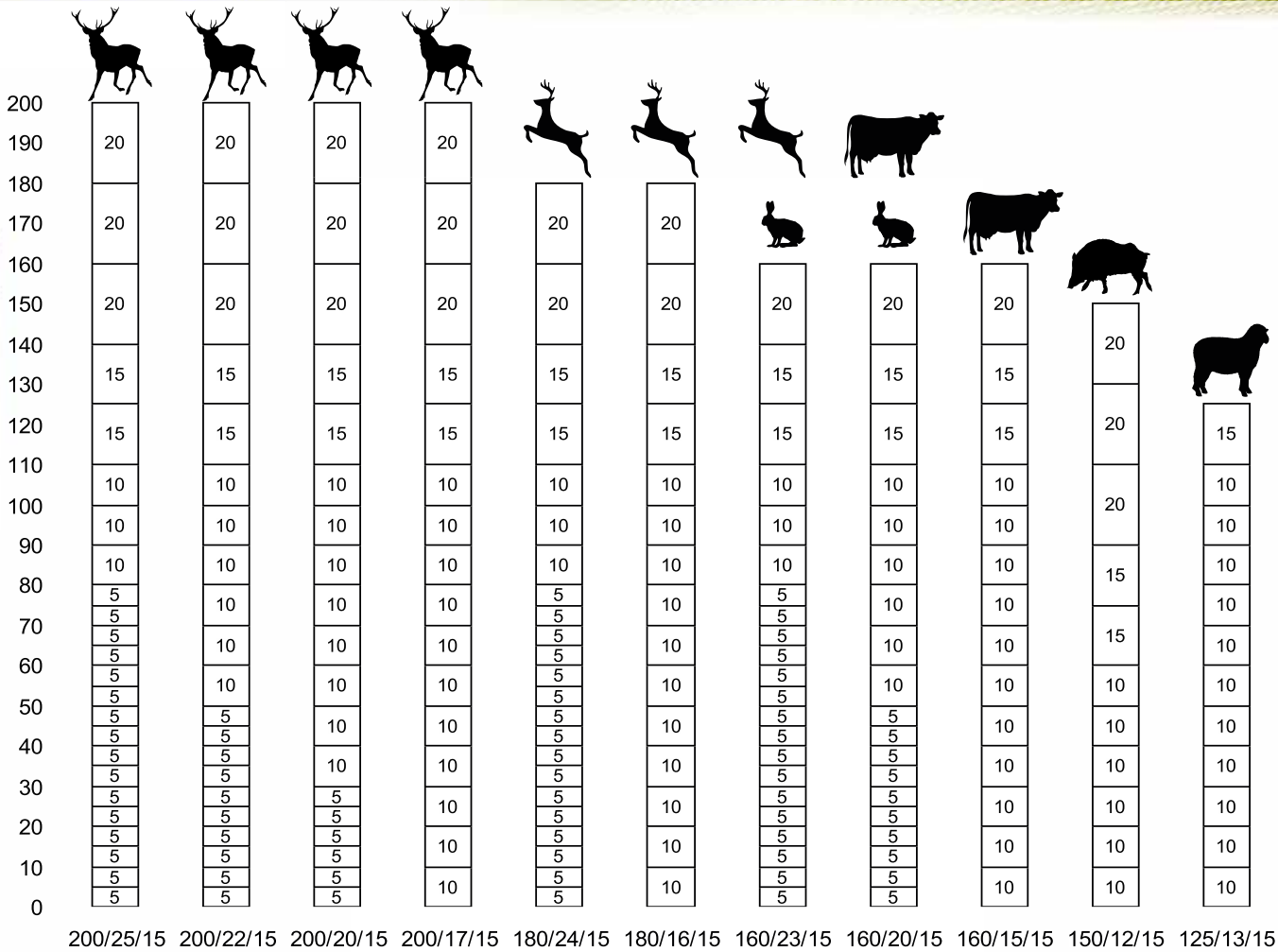
Height	200 cm	200 cm	200 cm	200 cm	180 cm	180 cm	160 cm	160 cm	160 cm	150 cm	125 cm
Spacing between vertical wires	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm	30 cm
Spacing between longitudinal wires	3x20 cm 2x15 cm 3x10 cm 16x5 cm	3x20 cm 2x15 cm 6x10 cm 10x5 cm	3x20 cm 2x15 cm 8x10 cm 6x5 cm	3x20 cm 2x15 cm 11x10 cm	2x20 cm 2x15 cm 3x10 cm 16x5 cm	2x20 cm 2x15 cm 11x10 cm	1x20 cm 2x15 cm 3x10 cm 16x5 cm	1x20 cm 2x15 cm 6x10 cm 10x5 cm	1x20 cm 2x15 cm 11x10 cm	3x20 cm 2x15 cm 6x10 cm	1x15 cm 11x10 cm
Number of longitudinal wires	25 pcs	22 pcs	20 pcs	17 pcs	24 pcs	16 pcs	23 pcs	20 pcs	15 pcs	12 pcs	13 pcs
The diameter of edge wires	Medium 2,40 mm * or Light 1,90 mm *										
The diameter of the remaining wires	Medium 1,90 mm * or Light 1,60 mm *										
Wire tensile strength	Standard mesh - Rm min 450MPa or SPECIAL - Rm min 450MPa and above 1000MPa										
Zinc coating	Standard zinc coating or SPECIAL min 200g/m2**										
Roll length	50 m										

\* - diameter tolerances in accordance with the PN-EN 10218-2 standard

\*\* - zinc coating for standard and SPECIAL fencing mesh in accordance with PN-EN 10244-2 standard

We produce fencing mesh of up to and including 250 cm of height

Construction scheme of knotted fencing mesh  
**MSA Medium or Light**  
 with vertical wires spacing of 15 cm



Height	200 cm	200 cm	200 cm	200 cm	180 cm	180 cm	160 cm	160 cm	160 cm	150 cm	125 cm
Spacing between vertical wires	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm	15 cm
Spacing between longitudinal wires	3x20 cm 2x15 cm 3x10 cm 16x5 cm	3x20 cm 2x15 cm 6x10 cm 10x5 cm	3x20 cm 2x15 cm 8x10 cm 6x5 cm	3x20 cm 2x15 cm 11x10 cm	2x20 cm 2x15 cm 3x10 cm 16x5 cm	2x20 cm 2x15 cm 11x10 cm	1x20 cm 2x15 cm 3x10 cm 16x5 cm	1x20 cm 2x15 cm 6x10 cm 10x5 cm	1x20 cm 2x15 cm 11x10 cm	3x20 cm 2x15 cm 6x10 cm	1x15 cm 11x10 cm
Number of longitudinal wires	25 pcs	22 pcs	20 pcs	17 pcs	24 pcs	16 pcs	23 pcs	20 pcs	15 pcs	12 pcs	13 pcs
The diameter of edge wires	Medium 2,40 mm * or Light 1,90 mm *										
The diameter of the remaining wires	Medium 1,90 mm * or Light 1,60 mm *										
Wire tensile strength	Standard mesh - Rm min 450MPa or SPECIAL - Rm min 450MPa and above 1000MPa										
Zinc coating	Standard zinc coating or SPECIAL min. 200g/m2**										
Roll length	50 m										

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