

Fencing Catalogue



ArcelorMittal



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WireSolutions

60 years experience in the manufacturing of fences

Subsidiary of ArcelorMittal, the world's leading steel and mining company, WireSolutions offers a diversified portfolio of low and high carbon wires, ropes and strands, steel fibres for concrete reinforcement, fences, nails and corrosion resistant solutions.

For more than 50 years, WireSolutions has been a European leading supplier of fences in many applications such as agriculture, residential, industry, sport, motorway and railway. Our fences are manufactured in our plants in Luxembourg, Poland and United Kingdom.

WireSolutions gives priority to quality and sustainability. Our fences benefit from the most advanced technologies regarding corrosion protection (Crapal® coating) and environment (Nature coating). WireSolutions relies on experienced women and men who are committed to offer excellence to their customers. This is validated by 3 standards:

- ▶ ISO 9001, Quality Management System
- ▶ ISO 45001, Environmental Management System
- ▶ OHSAS 18001, Health & Safety Management System

Because every need is different, our technical and sales teams advise you to make the best choice.

What are the advantages of being a subsidiary of ArcelorMittal?

- ▶ Sustainable access to high quality raw materials
- ▶ Quality controls through the entire supply chain, from iron ore to finished products
- ▶ Development of advanced technologies with the support of ArcelorMittal R&D Centres
- ▶ Guarantee of a sustainable partner



Our fences benefit from the most advanced technologies regarding corrosion and environmental protection.

Crapal® coating

La durée de vie (ou longévité)

The wire lifespan is determined by the lifetime of the coating layer that protects the wire.

Corrosion

The coating is subject to damages depending on the corrosive potential of the air and on the aggressiveness of the chemicals used for treatments.

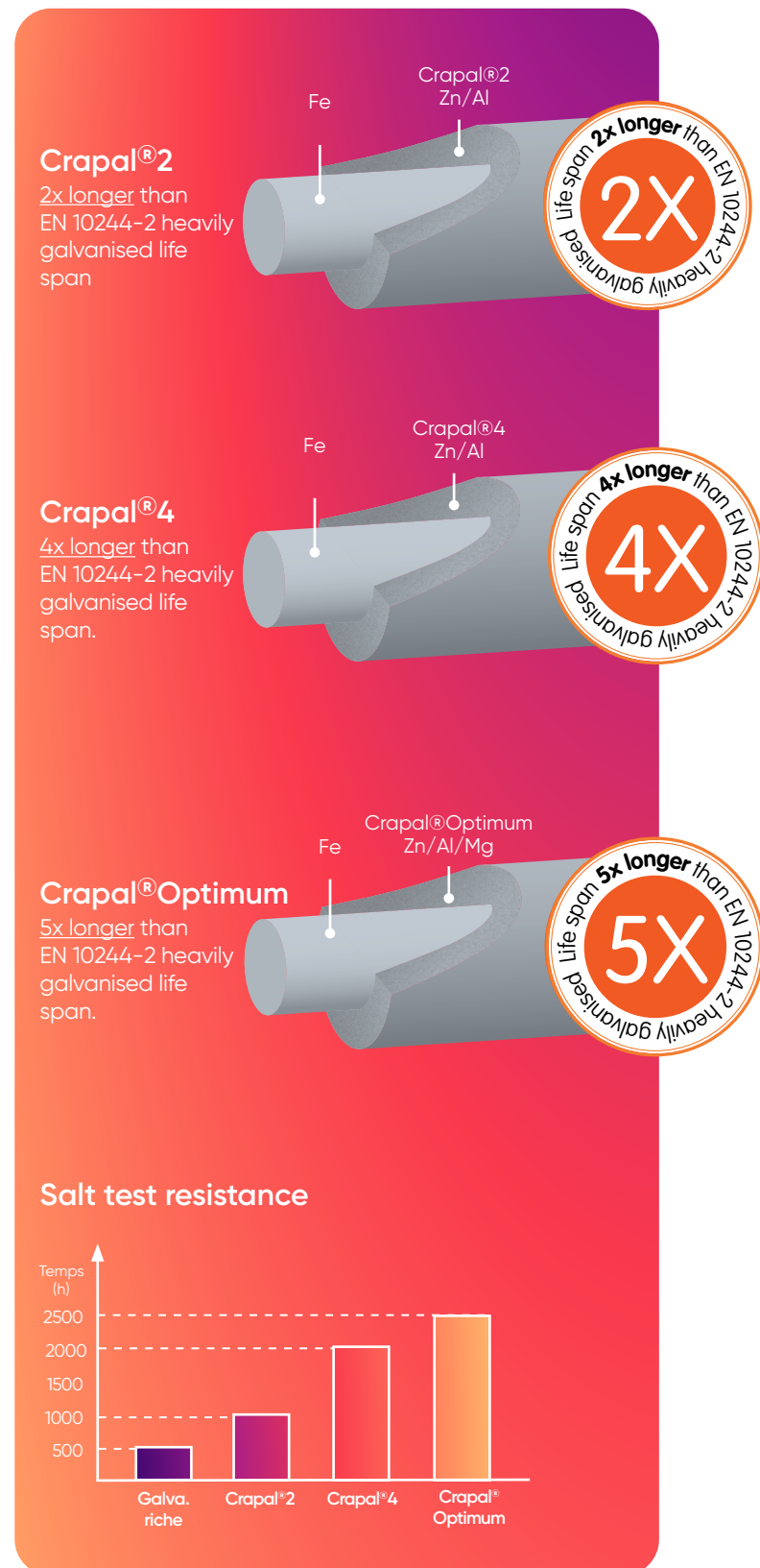
Pioneer in the manufacturing of the **heavily galvanised wire Crapo®** and the **zinc/aluminium wire Crapal®** which is today recognised worldwide, WireSolutions has never stopped working on the improvement of corrosion protection by developing the **zinc/aluminium/magnesium wire Crapal®Optimum**.

The Crapal® coating

Zinc gives an active and sacrificial protection while aluminium provides passive protection in covering zinc and significantly slowing down its sacrificial reaction.

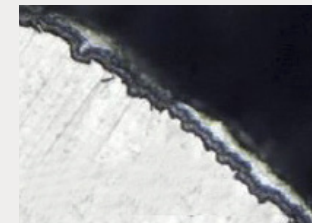
Addition of magnesium stabilises the whole molecular structure and gives the coating an even efficient resistance against corrosion. **Crapal®Optimum** ensures an optimal protection in the most aggressive environments even in cut ends and welding points.

WireSolutions
continuously works on
the improvement of
corrosion protection



Crapal® under Microscope!

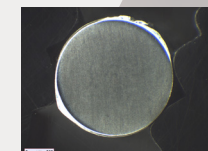
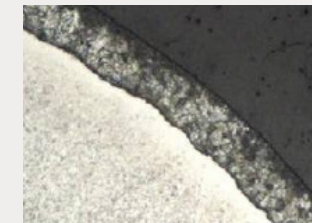
Galvanised wire after 20 years before being replaced



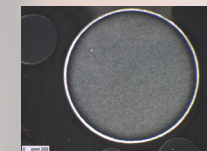
Did you know ?

An excessive thickness of zinc on the wire impairs its proper adhesion. The advanced Crapal® coating application technology ensures exceptional concentricity on the steel wire.

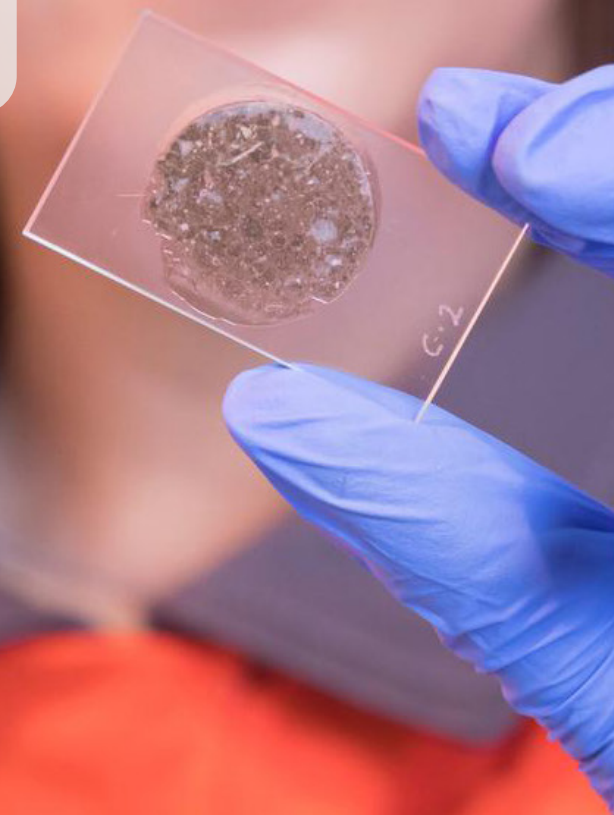
Crapal® after 30 years



Bad concentricity



Good concentricity



Parco®Crapal®2

Welded fence with Crapal®2 coating

Product description

Welded fence with regular meshes

- Large diameter
- Product complies with EN 10223-4 standard
- Protection of wild animals

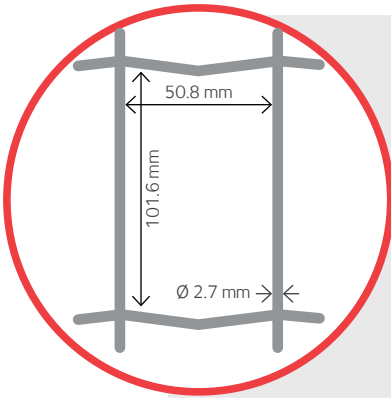


Characteristics

Designation	Height (cm)	Length (m)	Weight (kg)	Rolls/pallet
150-16-5	152.4	25	51,7	9
180-19-5	182.9	25	61,8	9
200-21-5	203.2	25	68,5	9

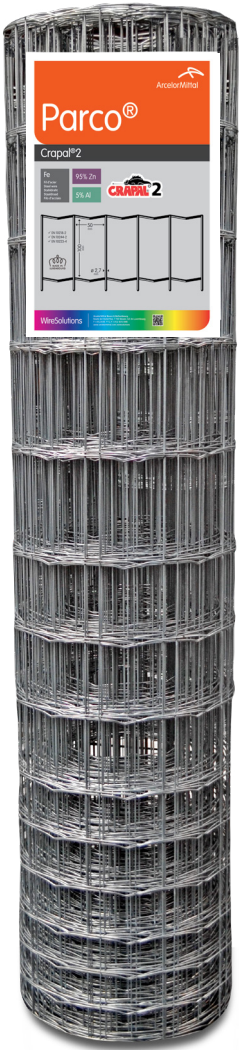
Applications

- Industry
- Motorway
- Outdoor parkings

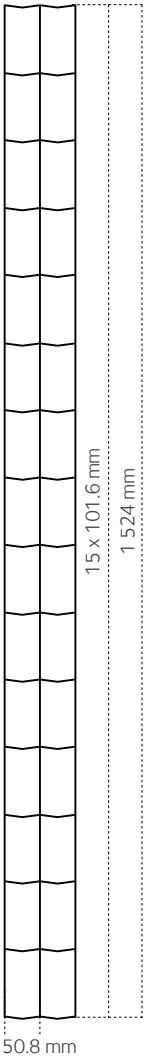


Mesh

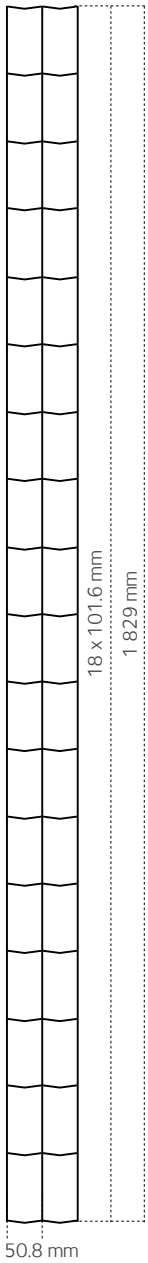
- Horizontal wires Ø 2.00mm
- Vertical wires Ø 2.00mm
- R 400-600 N/mm²



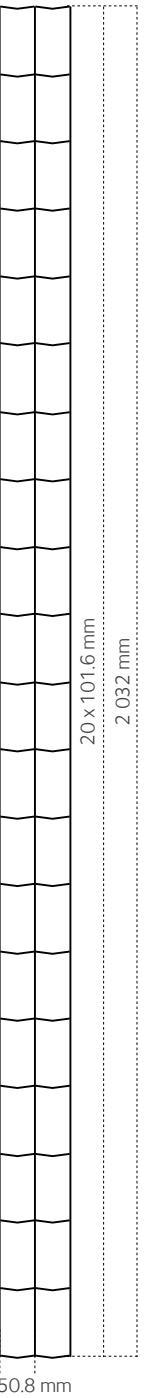
150-16-5



180-19-5



200-21-5



Badger Fence

Welded fence with Crapal®2 coating

Product description

Welded fence with small regular meshes

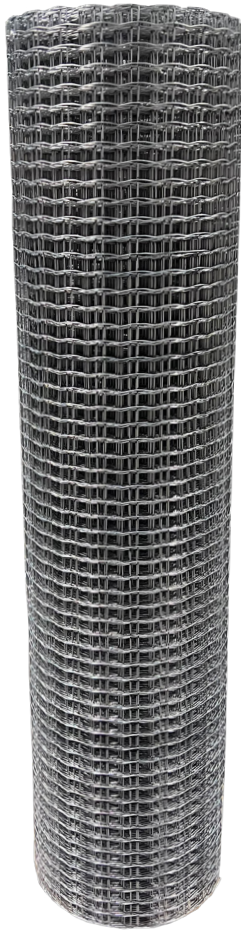
- Badger fencing is a sturdy industrial mesh made of rectangular openings. It is used along highways to protect badgers. Approved by the Dutch Directorate-General for Public Works and Water Management (Rijkswaterstaat). It has good corrosion resistance due to the Crapal® coating of zinc and aluminum, ensuring a much longer lifespan than hot-dip galvanized steel as per EN 10244-2.
- The crimp in the horizontal wires ensures excellent workability.
- The product complies with the EN 10223-4 standard.
- Other dimensions available on request



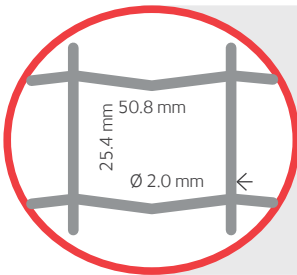
Designation	Height (cm)	Length (m)	Weight (kg)	Rolls/Pallets
150-18-15	101,6	25	37,61	9
200-22-15	119.3	25	44,08	9
150-60-51	149.9	25	55,18	9

Applications

- Roads & highways



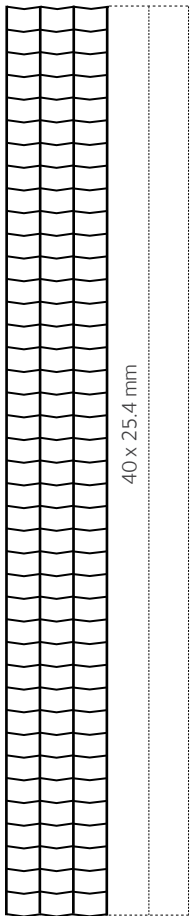
Badger Fence



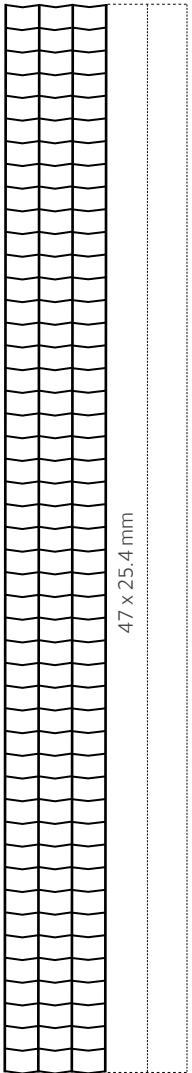
Mesh

- Horizontal wires Ø 2.00mm
- Vertical wires Ø 2.00mm
- R 400-600 N/mm²

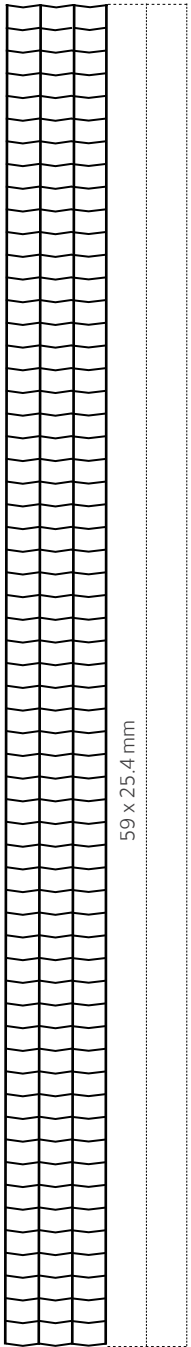
100-41-51



120-48-51



150-60-51



Atak® Medium

Welded fence with Crapal®2 coating

Product description

Welded mesh in high tensile steel especially suitable for the protection of forestry

- Progressive meshes
- Product complies with EN 10223-4 standard

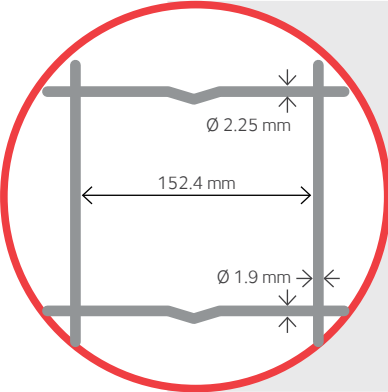


Characteristics				
Designation	Height (cm)	Length (m)	Weight (kg)	Rolls /paletts
120-11-15	121,9	50	22,0	12
150-18-15	149,9	50	31,9	12
180-20-15	180,3	50	36,3	12
200-21-15	200,7	50	38,9	12

Atak® Medium

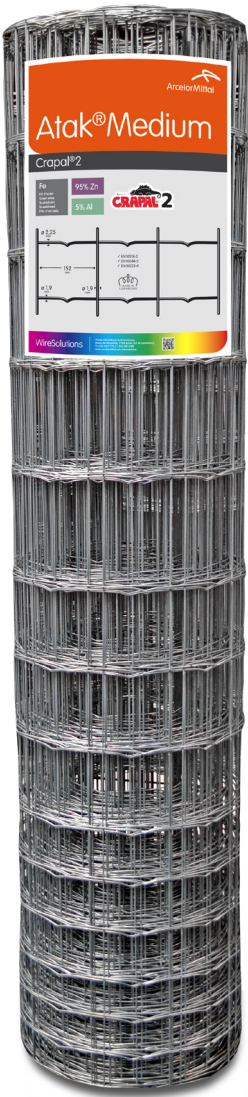
Applications

- Agriculture
- Forestry
- Industry
- Housing

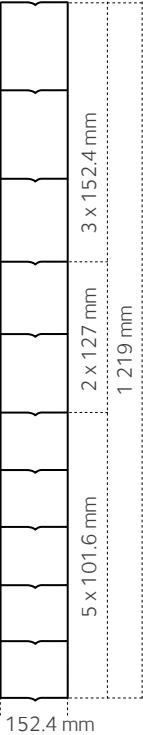


Mesh

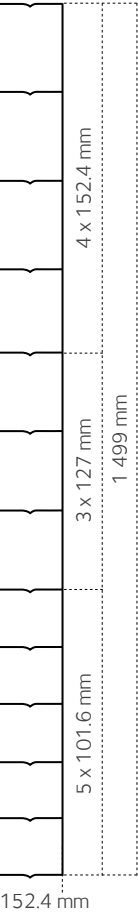
- Bottom wires Ø 2.25mm
Rm 70 to 90 kg/mm
- Horizontal wires Ø 1.90 mm
Rm 70 to 90 kg/mm
- Vertical wires Ø 1.90mm
Rm 40 to 55 kg/mm



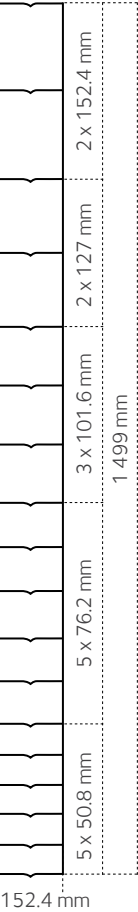
120-11-15



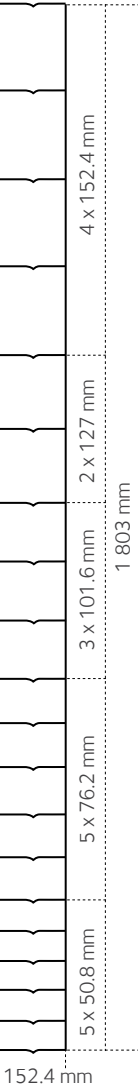
150-13-15



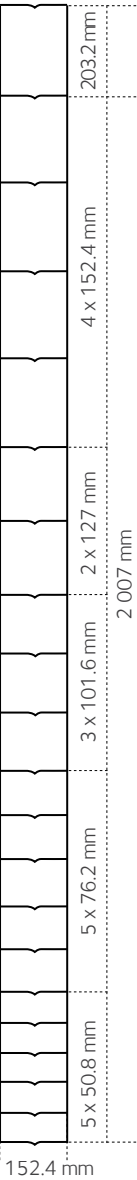
150-18-15



180-20-15



200-21-15



Atak®Heavy

Welded fence with Crapal®Optimum coating

Product description

- Heavy welded fence with progressive meshes suitable for many applications.
- Robustness, rigidity and high resistance to corrosion are the main features of this upscale fence
 - Wire of large diameter – High resistance horizontal wires
 - Complies with EN 10223-4 standard
 - Top,bottom and Horizontal wires : (R 70 to 90 kg/mm²)
 - Vertical wires: (R 40 to 55 kg/mm²)



Characteristics

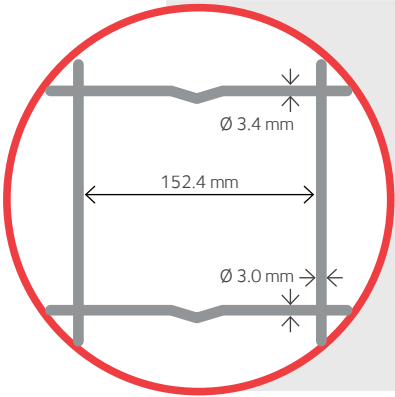
- Other dimensions and meshes are available upon request

Designation	Height (cm)	Length (m)	Weight (kg)	Rolls /pallets
140-12-15	142,3	50	60,7	6
180-14-15	180,3	50	73,3	6
200-15-15	203,2	50	80,2	6
245-17-15	243,8	50	93,1	6
250-20-15	248,9	50	102,4	6

Atak®Heavy

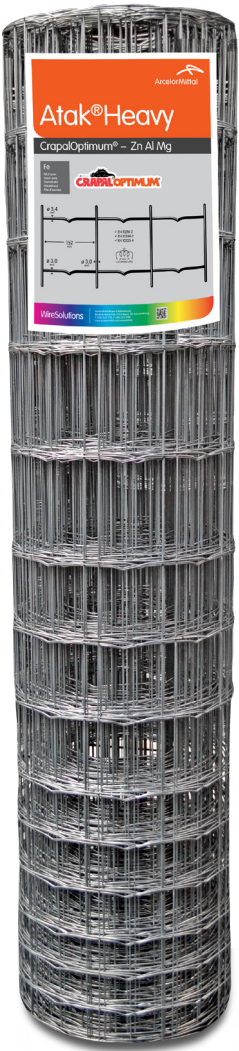
Applications

- Industry
- Motorway
- Railway

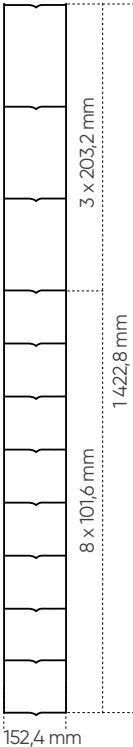


Mesh

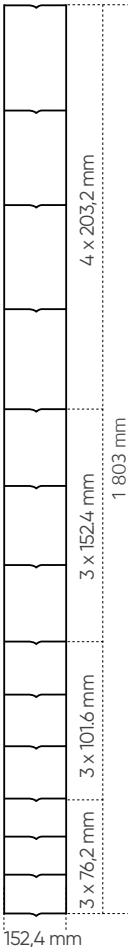
- Bottom wires Ø 3.40 mm Rm 70 to 90 kg/mm
- Horizontal wires Ø 3.00 mm Rm 70 to 90 kg/mm
- Vertical wires Ø 3.00 mm Rm 40 to 55 kg/mm



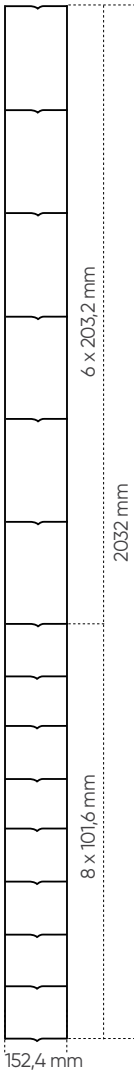
140-12-15



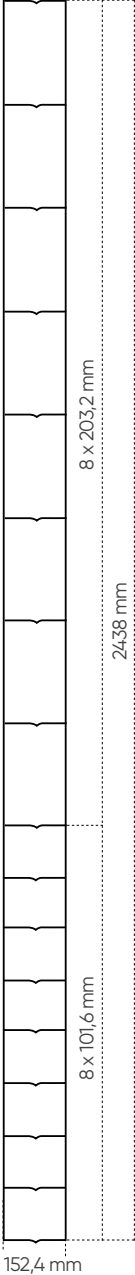
180-14-15



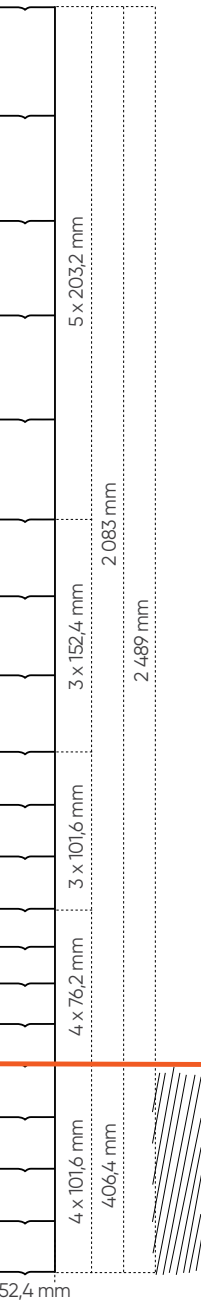
200-15-15



245-17-15



250-20-15



Fe

Product description

Welded fence with regular meshes

- ▶ The wire diameters ensure strength and rigidity
- ▶ Distribution of the mesh is balanced and defensive
- ▶ Small mesh offers a protective barrier for livestock areas

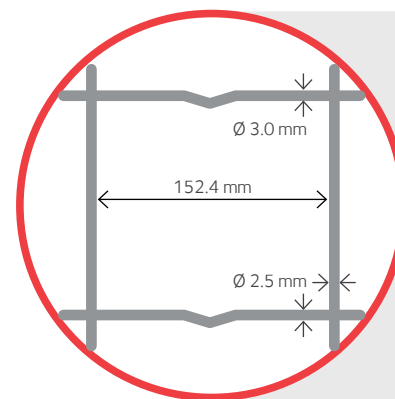


Désignation	Hauteur (cm)	Longueur (m)	Poids (kg)
150-18-15	152.4	50	55.64

*Secured fencing preventing the intrusion of wild boars into a livestock area and any direct contact with domesticated pigs. Compliant with the french Ministry of Agriculture's specifications and the technical guidelines DGAL/SDSPA/2019-389 of 15/05/2019 on biosecurity.

Applications

- Pig farming



Mesh

- ▶ Bottom wires Ø 3.00mm
Rm 70 to 90 kg/mm
- ▶ Horizontal wires Ø 2.50mm
Rm 70 to 90 kg/mm
- ▶ Vertical wires Ø 2.50mm
Rm 40 to 55 kg/mm

[illegible]

Sologne® 4R*

Welded fence with Crapal®Optimum coating

Product description

- Heavy welded fence specifically for large animals (breeding and hunting)
- 50 cm under ground to guarantee non crossing of burrowing animals
 - Tightened meshes at the bottom of the fence preventing animals from forcing the fence by snouting
 - Complies with EN 10223-4 standard

- *4R means:
- **R**obustness – High strength wire (70 to 90 kg/mm²)
 - **R**igidity – Wire of large diameter
 - **R**esistance to corrosion
 - **R**esistance to shocks and animal thrust

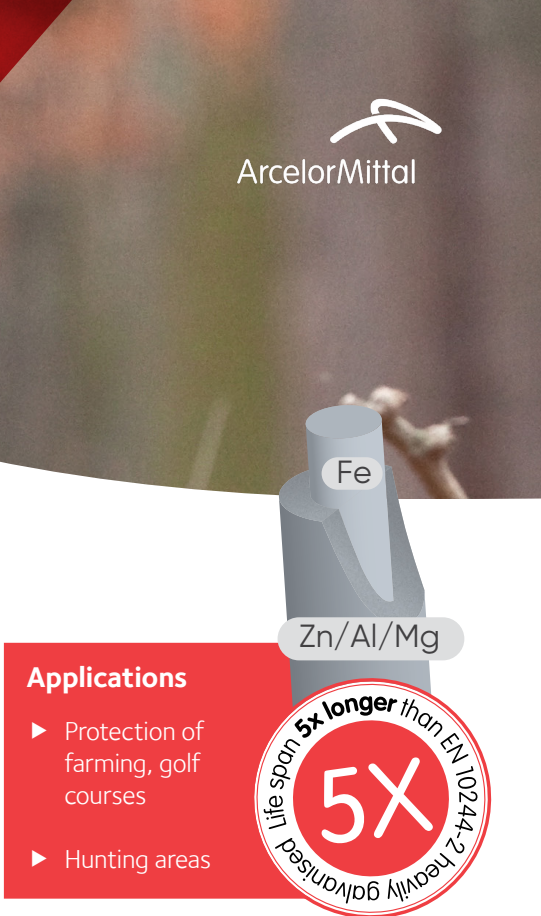


Characteristics

- Other dimensions and meshes are available upon request

Fence with burried part for boars

Designation	Height (cm)	Length (m)	Weight (kg)	Rolls/pallet
180-26-15	183	50	107	6
230-28-15	229	50	120	6
260-30-15	261	50	132	6



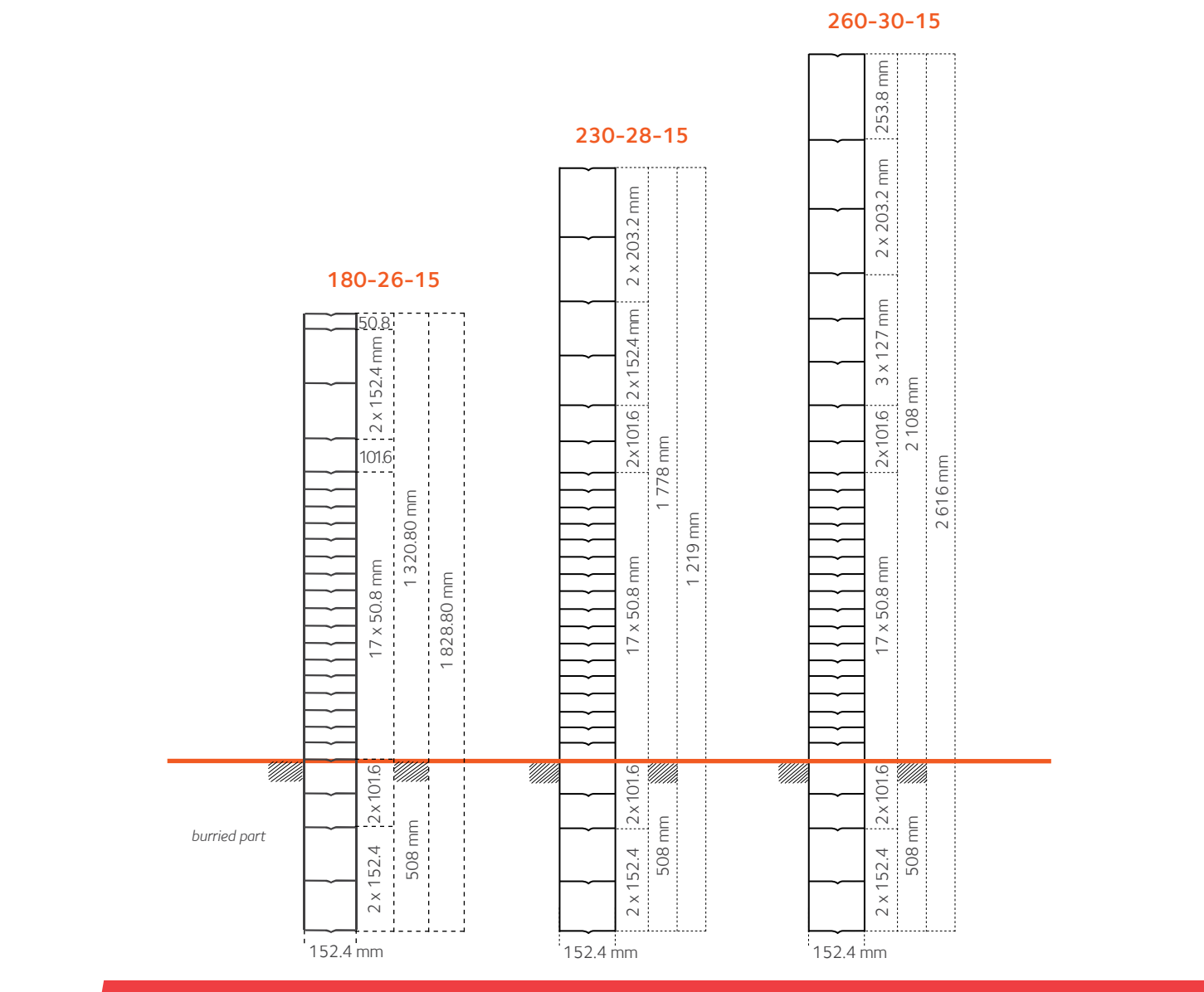
- Applications**
- Protection of farming, golf courses
 - Hunting areas



Sologne® 4R*

Mesh

- Bottom wires Ø 3.40 mm, Rm 70 to 90 kg/mm
- Horizontal wires Ø 3.00mm, Rm 70 to 90 kg/mm
- Vertical wires Ø 3.00mm Rm 40 to 55 kg/mm



Forestry

Forrestry

Field fence with Crapo® coating

Product description

Field fence specially developed for farms and meadows

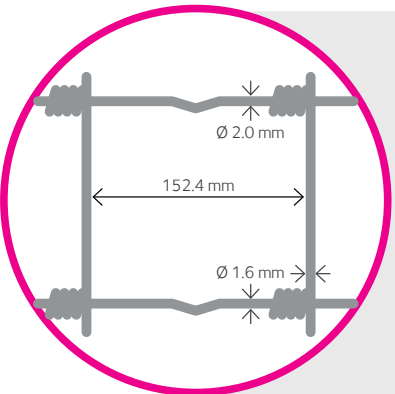
- Very complete solution adapted to all kinds of pets and animals
- Economic solution, galvanised coating
- Product complies with EN 10223-5 standard



Characteristics

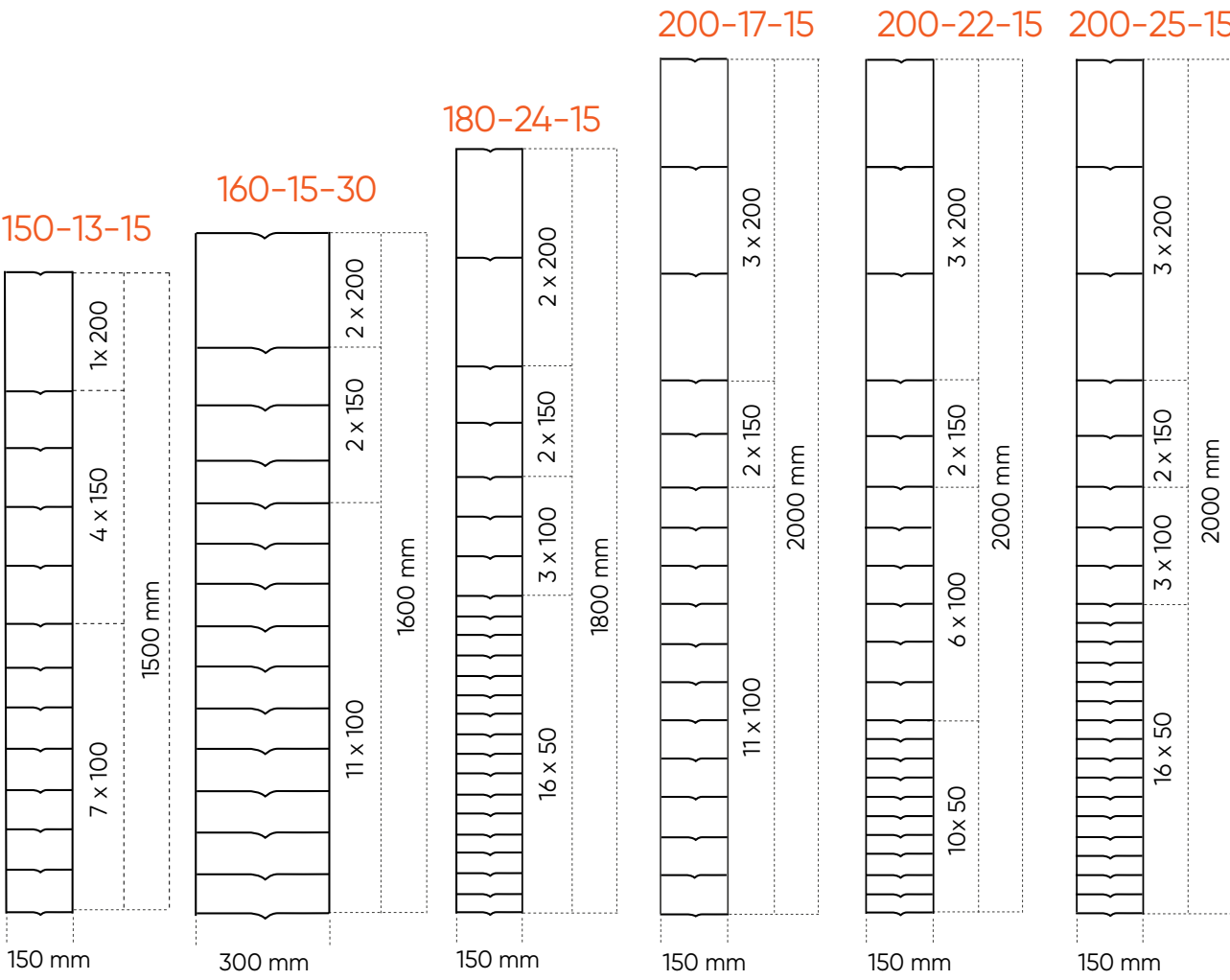
Designation	Height (cm)	Length (m)	Weight (kg)	Rouleau par palette
150-13-15	150	50	21	16
160-15-30	160	50	19	16
180-24-15	180	50	33	16
200-17-15	200	50	29	16
200-22-15	200	50	32	16
200-25-15	200	50	37.3	16

Application
► Livestock farming



Mesh

- Bottom wires Ø 2.00mm
- Horizontal wires Ø 1.60mm
- Vertical wires Ø 1.60mm



Prairie® Medium

Field fence with Crapal®2 coating

Product description

Field fence specially developed for farms and meadows

- Very complete solution adapted to all kinds of pets and animals
- Heavy horizontal wires: 75 to 95 kg/mm²
- Product complies with EN 10223-5 standard



Characteristics

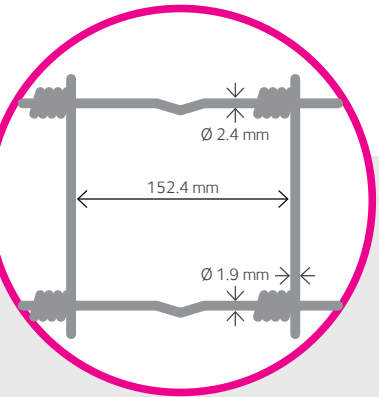
Designation	Height (cm)	Length (m)	Nominal weight (kg)	Rolls/pallets
60-6-15	57	50/100	13,9/27,8	20/12
80-6-15	80	50	15,1	20
80-8-15	80	50 /100	18,4/36,8	20/12
100-8-15	102	50	20,0	20
100-9-15	98	50/100	21,2/42,4	20 /12
100-10-15	103	50/100	23,0/46,0	20/12
100-10-30	103	50/100	17,7/35,4	20/16
100-15-15	97	50	29,8	16
120-14-15	123	50	30,3	16
120-16-15	121	50	33,0	16
145-18-15	144	50	37,5	16
150-13-15	151	50	30,9	20
200-22-15	197	50	47.3	16

Application

- Livestock farming



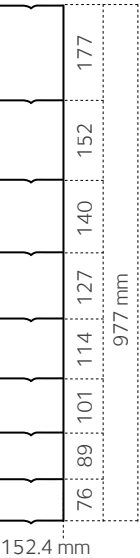
Prairie® Medium



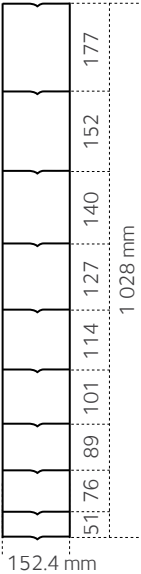
Mesh

- Bottom wires Ø 2.40mm
- Horizontal wires Ø 1.90mm
- Vertical wires Ø 1.90mm

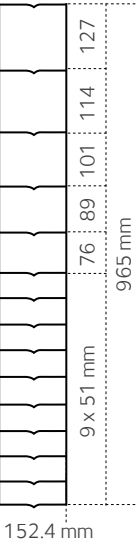
100-9-15



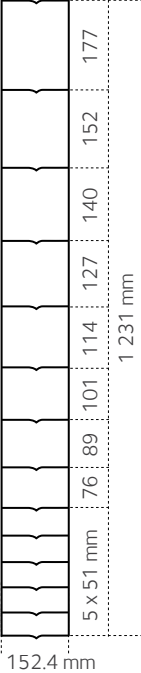
100-10-30
100-10-15



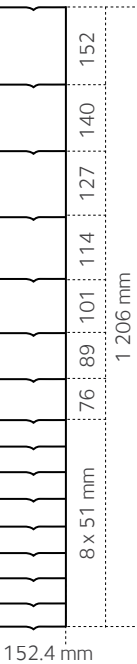
100-15-15



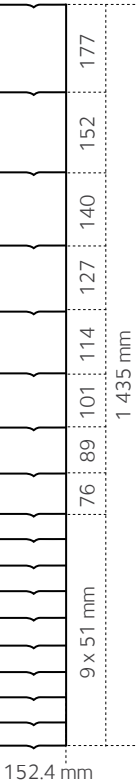
120-14-15



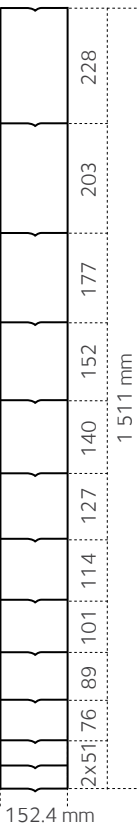
120-16-15



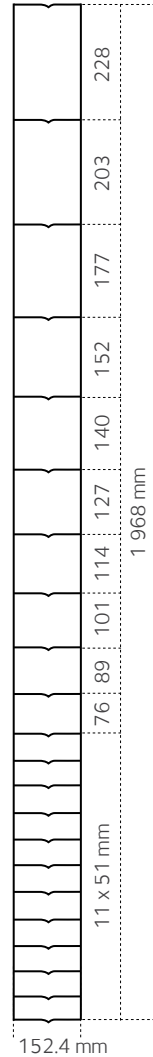
145-18-15



150-13-15



200-22-15



Prairie® Medium +

Field fence with Crapal®2 coating

Product description

Field fence specially developed for farms and meadows

- Very complete solution adapted to all kinds of pets and animals
- Mid Carbon horizontal wires: 75 to 95 kg/mm²
- Product complies with EN 10223-5 standard



Characteristics

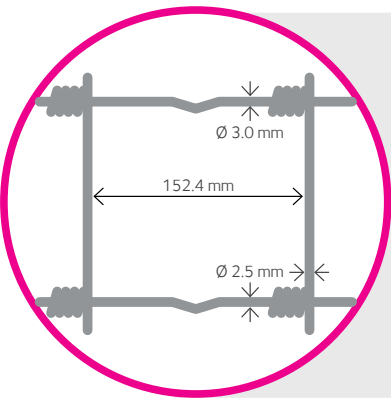
Designation	Height (cm)	Length (m)	Nominal weight (kg)	Rolls/pallets
80-8-15	80	50	31.3	16
100-9-15	100	50	36	16
120-10-15	120	50	41.1	16
140-11-15	140	50	46.4	16
200-22-15	200	50	81.2	16

Application

- Livestock farming



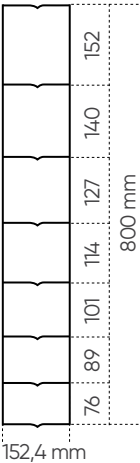
Prairie® Medium +



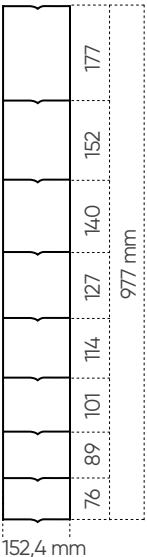
Mesh

- Bottom wires Ø 3.00mm
Rm 70 to 90 kg/mm
- Horizontal wires Ø 2.50 mm
Rm 70 to 90 kg/mm
- Vertical wires Ø 2.50mm
Rm 40 to 55 kg/mm

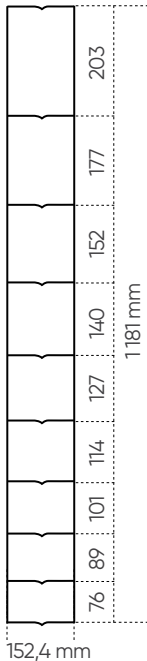
80-8-15



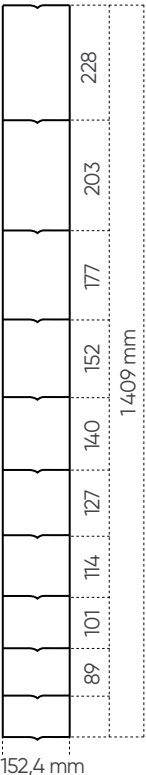
100-9-15



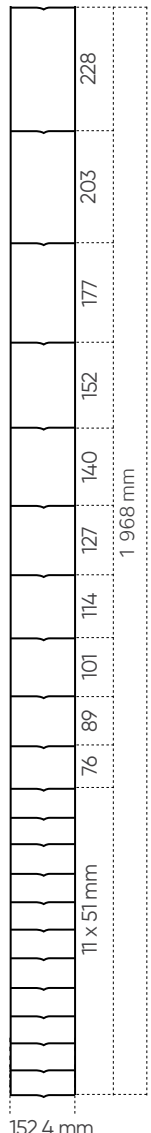
120-10-15



140-11-15



200-22-15



Prairie® Heavy

Field fence with Crapal®Optimum coating

Product description

Heavy field fence with progressive meshes

- Large diameters for increased resistance
- Product complies with EN 10223-5 standard



Characteristics

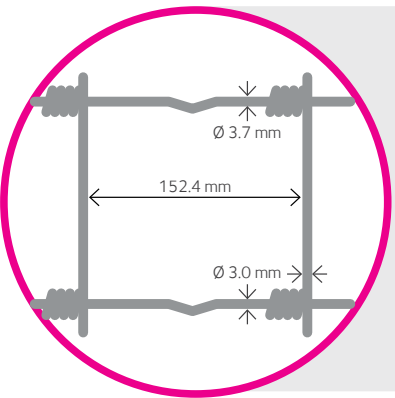
Désignation	Height (cm)	Length (m)	Weight (kg)	Rolls/pallets
80-8-15	80	50	46,1	12
100-9-15	98	50	53,0	12
120-10-15	118	50	60,4	12
140-11-15	141	50	68,3	12

Application

- Livestock farming



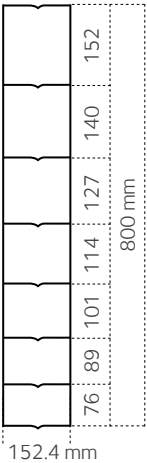
Prairie® Heavy



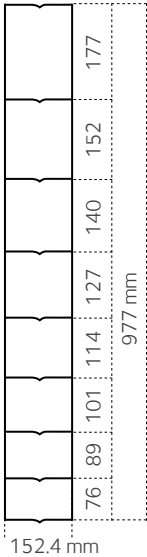
Mesh

- Bottom wires Ø 3.70mm
Rm 70 to 90 kg/mm
- Horizontal wires Ø 3.00mm
Rm 70 to 90 kg/mm
- Vertical wires Ø 3.00mm
Rm 40 to 55 kg/mm

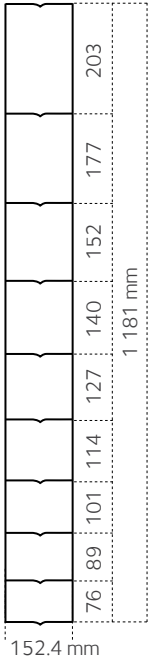
80-8-15



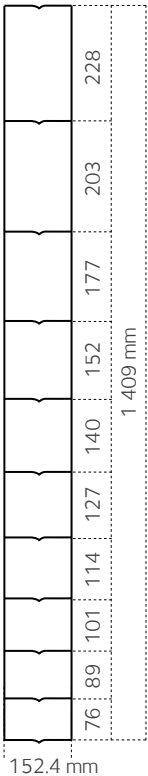
100-9-15



120-10-15



140-11-15



Prairie[®]FX



27

Prairie[®]FX



Field fence with Crapal® Optimum coating

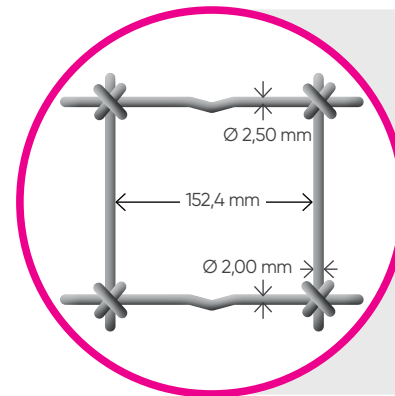
Product description

Heavy field fence with progressive meshes

- ▶ Animal hide, skin coat friendly reducing the risk of injury to livestock and people
- ▶ Stronger than traditional hinge joint fence
- ▶ More horizontal rigidity, enabling an easier, more professional installation
- ▶ Better vertical rigidity due to solid vertical wire

Application

- Livestock farming



Mesh

- ▶ Bottom wires Ø 2.50mm
Rm 70 to 90 kg/mm
- ▶ Horizontal wires Ø 2.00mm
Rm 70 to 90 kg/mm
- ▶ Vertical wires Ø 2.00mm
Rm 40 to 55 kg/mm



Characteristics

Désignation	Hauteur (cm)	Longueur (m)	Poids (kg)	Rouleaux par palette
80-8-15	81	100-250	40-100	9-4
100-10-15	102	100-250	50-125	9-4



FXL 100-10-15

FXL 80-8-15

Technical drawing of the FXL 80-8-15 profile, showing front and side views with dimensions in millimeters (mm).

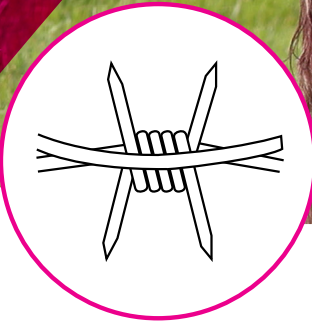
Front View Dimensions:

- Overall width: 152.4 mm
- Top flange width: 76.2 mm
- Web width: 76.2 mm
- Bottom flange width: 101.6 mm
- Web thickness: 127 mm
- Top flange thickness: 127 mm
- Bottom flange thickness: 153.4 mm
- Overall height: 153 mm
- Internal height: 812.8 mm

Side View Dimensions:

- Overall width: 152.4 mm
- Top flange width: 76.2 mm
- Web width: 76.2 mm
- Bottom flange width: 76.2 mm
- Web thickness: 127 mm
- Top flange thickness: 127 mm
- Bottom flange thickness: 153 mm
- Overall height: 203 mm
- Internal height: 101.6 mm

Rodeo®Basic+



ArcelorMittal



Zn



Zn

Barbed wire with Crapal®2 coating

Product description

Traditional barbed wire with two or four barbs spaced at 10cm

- Product complies with EN 10223-1 standard

Application

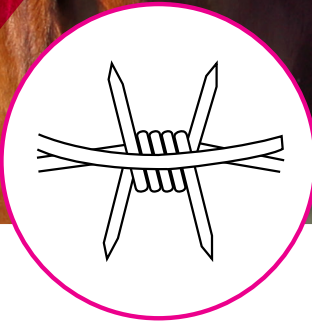
- Livestock farming



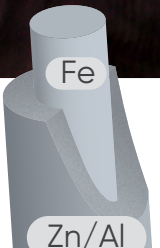
Characteristics

Wire Ø (mm)	length (m)	Number of barbs	Space between barbs (cm)	Weight (kg)	Rolls/Pallet
2,2	200	4	10	17,1	48
2,4	200	4	10	19,6	48
2,7	200	4	10	23,5	48

Rodeo®Crapal®2



ArcelorMittal



Zn/Al



2X

Product description

Traditional barbed wire with two or four barbs spaced at 10cm

- Supplied with a protective cardboard with carrying handle
- Product complies with EN 10223-1 standard

Application

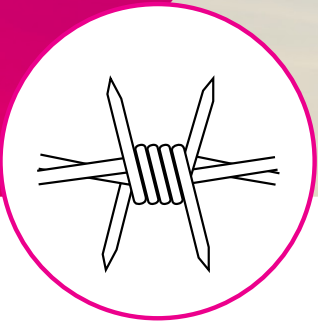
- Livestock farming



Characteristics

Wire Ø (mm)	length (m)	Number of barbs	Space between barbs (cm)	Weight (kg)	Rolls/Pallet
2,2	200	4	10	17,1	48
2,4	200	4	10	19,6	48
2,7	200	4	10	23,5	48
2,7	200	2	10	20,7	60

Scorpio®



Barbed wire with Crapal®2 coating

Product description

Manufactured with high tensile wire in Ø 1.70 mm, Scorpio® has a minimum breaking load of 440kg (equivalent to a low carbon steel barbed wire with a diameter of 2.70mm)

- Alternating twists lock the barbs at regular spacings of 10cm preventing them from slipping
- Delivered in a protective cardboard with carrying handle
- Product complies with EN 10223-1 standard



Applications

- Agriculture
- Motorway
- Industry



Characteristics

Wire Ø (mm)	length (m)	Number of barbs	Space between barbs (cm)	Weight (kg)	Rolls/ paletts
1,7	100	4	10	5,1	96
1,7	250	4	10	12,7	64
1,7	500	4	10	25,4	36



Wire for Electric fencing



Crapal® Optimum coating

Product description

Special wire for permanent and semi-permanent electric fencing
A solution suitable for all needs

- Commercial low carbon steel (coils of 5 kg)
- High carbon steel offering an increased mechanical strength supplied (coils of 25 kg)
- Reinforced electrical conductivity due to additional aluminium in the coating
- Does not hurt animal coat
- Eco-friendly product



Characteristics

► Please contact us for further information

Diamètre du fil (mm)	Longueur (m)	Poids (Kg)	Résistance (Kg/mm²)
Couronnes trancannées de 25 kg en fardeaux de 500 kg- Ø intérieur 600 mm			
1,6	1600	25	100/120
2,5	650	25	100/120

Applications

- Livestock farming
- Industry
- Security



Smooth wire



Smooth wire

Product description

Special wire for permanent and semi-permanent electric fencing
A solution suitable for all needs

- Enhanced mechanical strength through the cabling of two wires
- No spikes, does not harm the animals' coat
- Delivered with a carrying handle
- 100 m roll available on request depending on quantity



Characteristics

Désignation (mm)	Hauteur (cm)	Longueur (m)	Poids (kg)
2,4	200	15,2	64

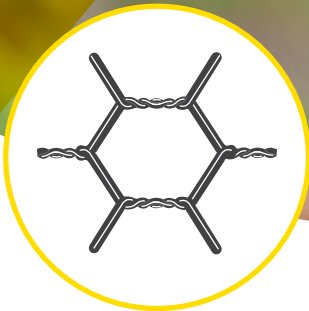


Applications

- Livestock farming



Avigal



Hexagonal netting

Product description

Hot dipped galvanised fence with hexagonal netting

- ▶ Can be used as pen for small animals
- ▶ Its flexibility means it has many uses
- ▶ Product complies with EN 10223-2 standard



Mesh (mm)	Diameter (mm)	Length (m)	Weight (kg)
13	0,7	0,50	25
13	0,7	0,50	50
13	0,7	1,00	25
13	0,7	1,00	50
25	0,8	0,50	25
25	0,8	0,50	50
25	0,8	0,75	25
25	0,8	0,75	50
25	0,8	1,00	25
25	0,8	1,00	50
25	0,8	1,20	25
25	0,8	1,20	50
25	0,8	1,50	25
25	0,8	1,50	50
25	0,8	2,00	50
41	0,9	0,50	50
41	0,9	0,75	50
41	0,9	1,00	50
41	0,9	1,20	50
41	0,9	1,50	50
41	0,9	2,00	50

Applications

- ▶ Agriculture
- ▶ Many other uses

Coating

- ▶ Hot dipped galvanised



Quadra



Heavily galvanised welded fence

Product description

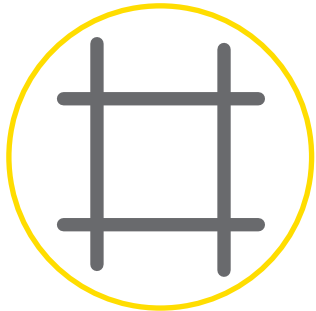
Heavily galvanised welded fence with small square meshes

- ▶ **Many applications:** DIY, industry, protection of small wildlife, etc.
- ▶ Its excellent resistance to deformation and its anticorrosion properties makes it a very popular product



Characteristics

- ▶ Product delivered in rolls of 25 or 10 m
- ▶ Meshes from 6.5 x 6.5 up to 25 x 25 mm
- ▶ Please contact us for further information



Applications

- ▶ Very diverse: agriculture, industry, leisure, etc.

Coating

- ▶ Heavily galvanised



Conditioned wire

Conditioned wire

Product description

Packaging in traditional 5 kg coils bundled into 25 kg packs (= 125 kg)

- On pallet: 750 kg, i.e., 6 bundles of 125 kg
- 125 kg bundles without pallets

Applications

- Agriculture
- Construction



Characteristics

Diamètre	N° de Paris	Diamètre int./ ext. des rouleaux	Poids du rouleau Kg	Poids du compex Kg	Poids d'une palette Kg	Longueur ml
1,40	9	320/420 mm	5 kg	125 kg	750 Kg	415 ml
1,50	10	320/420 mm	5 kg	125 kg	750 Kg	362 ml
1,60	11	320/420 mm	5 kg	125 kg	750 Kg	318 ml
1,80	12	320/420 mm	5 kg	125 kg	750 Kg	251 ml
2,00	13	320/420 mm	5 kg	125 kg	750 Kg	204 ml
2,20	14	320/420 mm	5 kg	125 kg	750 Kg	168 ml
2,40	15	320/420 mm	5 kg	125 kg	750 Kg	142 ml
2,70	16	320/420 mm	5 kg	125 kg	750 Kg	112 ml
3,00	17	320/420 mm	5 kg	125 kg	750 Kg	91 ml
3,40	18	320/420 mm	5 kg	125 kg	750 Kg	71 ml
3,80	± 19	320/420 mm	5 kg	125 kg	750 Kg	57 ml



Notes

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