

CE marking



Declaration of performance No. **WALLCOVER-CPR-2022-0725**

Annex document
DDT N° 595
Date
28/10/2022
Signature for receipt:

1. Unique identification code of the product-type: **WALLCOVER-CPR-2022-0725**
2. Intended uses: **WALLCOVER welded mesh Gabions are intended to be used to build wall coverings and for architectural applications. The use of welded mesh gabions should be outside the influence of corrosive soils and chemical substances considered corrosive for steel and steel products.**
3. Manufacturer: **Metallurgica Ledrense Soc. Coop**
Via Ampola 14 - IT-38067 Ledro (TN)
4. VVCP System: **Sistema 2+**
5. European Assessment Document: **EAD 200020-00-0102 (marzo2017)**
European Technical Assessment: **ETA-17/0059 (07/07/2022)**
Technical Assessment Body: **ETA-Danmark A/S**
Notified Body: **N°1404 - Zavod Za Gradbeništvo Slovenije**
6. Declared performances:

Essential characteristic	Performance
<i>3.1 Basic Works Requirement 1: Mechanical resistance and stability</i>	
Diameters of wire	6 mm in accordance with EN 10218-2, Table 1, Tolerance Class T1
Wire tensile strength and elongation	Wire tensile strength > 500 MPa according to the pt. 3 of the EN 10218-1 with the limitations given in the pt. 7.4 of the EN 10223-8 after the cold worked processing: -tensile strength: 553 MPa (mean value) -elongation: 6,47% (mean value)
Dimensions of product, mesh size and dimensions of connection components	Please refer to Annex A of this document
Corrosion protection	The steel wires are zinc aluminum alloy coated with minimum 290 g/m ² coating corresponding to class A in accordance EN 10244-2
Weld shear strength	The average shear strength of four welds selected randomly from one panel shall not be less than 75% of the breaking load of the wire with no single shear strength of weld below 50% in accordance with cl.7.5 in EN 10223-8
Tensile strength of gabion/mattress including connection	No performance assessed
Durability	Durability against neutral salt spray test. The products were subjected to a test duration of 1000 hours and showed less than 5% dark brown rust
<i>3.4 Basic Works Requirement 4: Safety and accessibility in use</i>	
Protection against injury	The gabion poses no obvious risk of injury caused by sharp edges of jut out wires.
<i>3.5 Basic Work Requirement 5: Protection against noise</i>	
Airborne sound insulation	No performance assessed
Sound absorption	No performance assessed

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.
Signed for and on behalf of the manufacturer from:

Fabio Tiboni, legale rappresentante

Ledro (TN), 25/07/2022
(date and place)

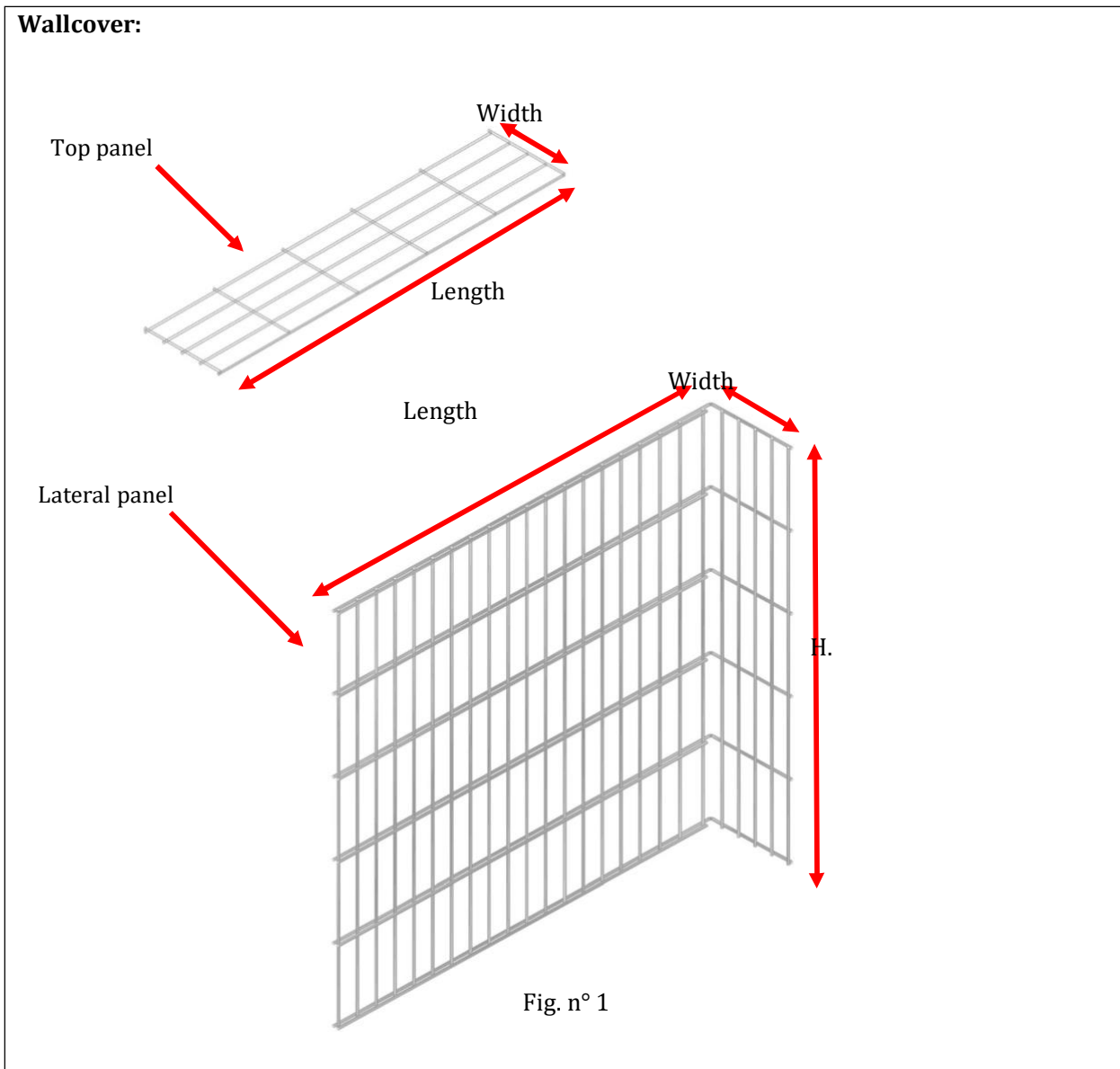


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**ANNEX A
Description of the Wallcover gabions and its components**

The gabions have parallelepiped or cube shape. The gabions are composed of, see fig. n° 1:

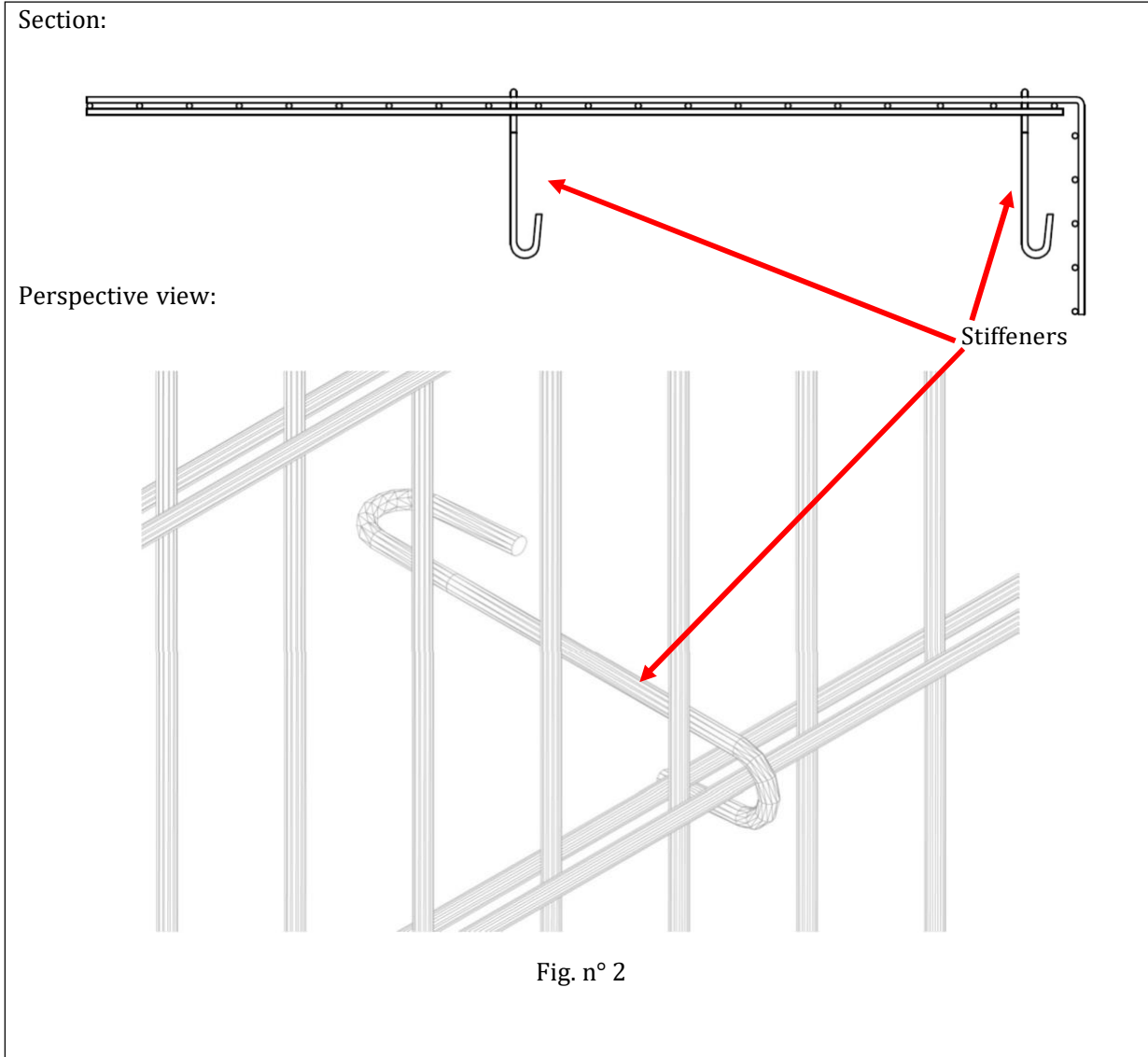
- Lateral panel Wallcover.
- Top panel Wallcover.



All the elements above are made of double steel wire 6 mm diameter horizontally (except for the L shaped angles, with single wire) and single steel wire 6 mm diameter vertically for the side panel. Single steel wire 6 mm diameter in both directions for the top panel. See figure n° 1.

All the components and accessories needed for the lifting and handling of the products go beyond the scope of this ETA.

The steel wires are zinc-aluminum alloy coated with minimum 275 g/m² coating for wires with diameter 3.80-4.40 mm and minimum 290 g/m² coating for wires with diameter 5.20-8.20 mm corresponding to class A in accordance with EN 10244-2.



All the hooks and stiffeners are designed to give stability and structural resistance at the gabions for the movements and placement phases, and ensure the monolithic behavior of the gabions.

Wallcover gabions are produce in the sizes:

WALLCOVER GABION			
Commercial name (HxLxW)	Nominal dimension (mm)		
	H	L	W
100x20x20	1005	200	220
100x40x20	1005	400	220
100x60x20	1005	600	220
100x80x20	1005	800	220
100x100x20	1005	1000	220
100x120x20	1005	1200	220
100x140x20	1005	1400	220
100x160x20	1005	1600	220
100x180x20	1005	1800	220
100x200x20	1005	2000	220
100x20x15	1005	200	175
100x40x15	1005	400	175
100x60x15	1005	600	175
100x80x15	1005	800	175
100x100x15	1005	1000	175
100x120x15	1005	1200	175
100x140x15	1005	1400	175
100x160x15	1005	1600	175
100x180x15	1005	1800	175
100x200x15	1005	2000	175

The Wallcover accessories are described as follows:

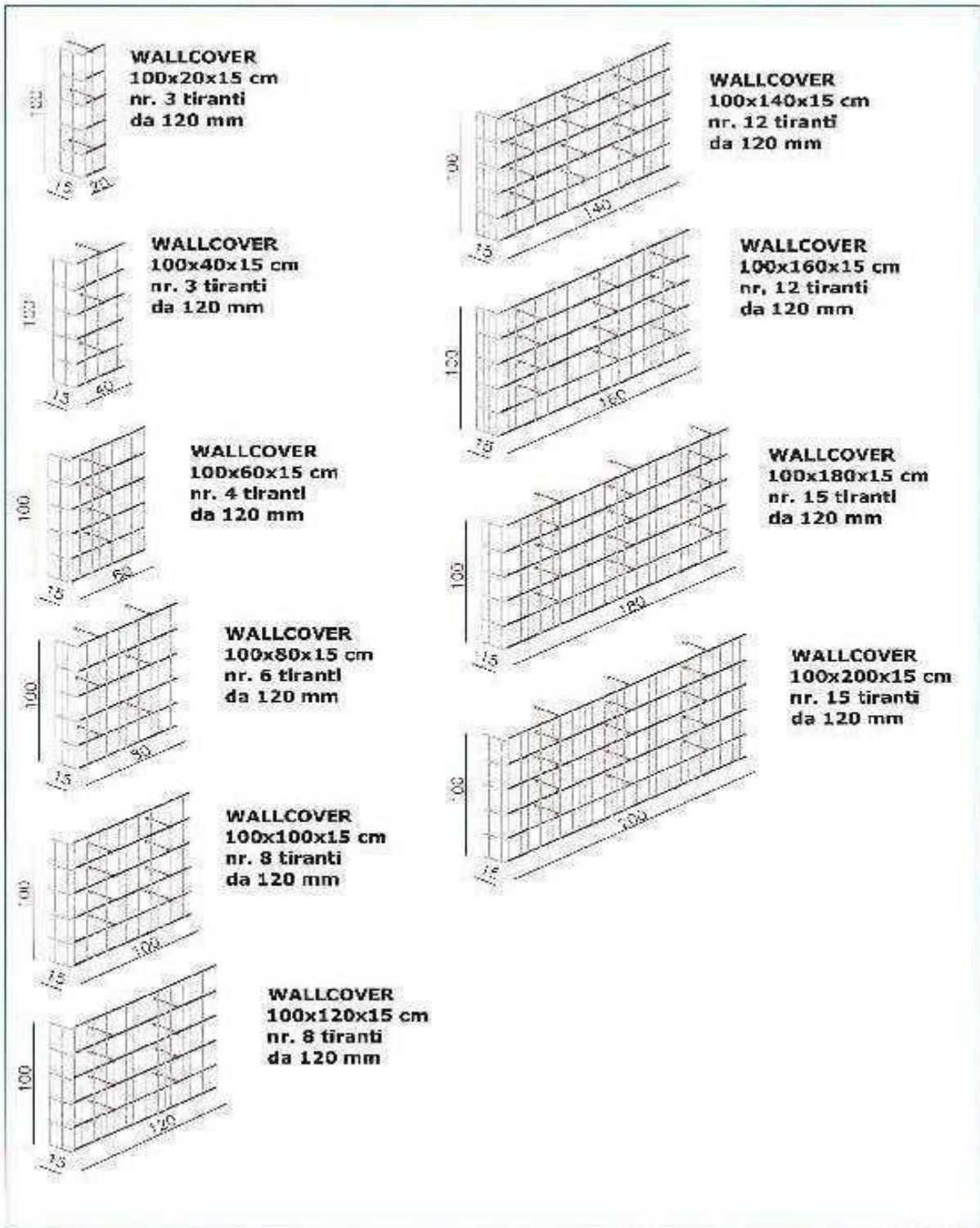
WALLCOVER GABION LATERAL PANEL			
Commercial name (HxLxW)	Nominal dimension (mm)		
	H	L	W
100x20x20	1005	200	220
100x40x20	1005	400	220
100x60x20	1005	600	220
100x80x20	1005	800	220
100x100x20	1005	1000	220
100x120x20	1005	1200	220
100x140x20	1005	1400	220
100x160x20	1005	1600	220
100x180x20	1005	1800	220
100x200x20	1005	2000	220
100x20x15	1005	200	175
100x40x15	1005	400	175
100x60x15	1005	600	175
100x80x15	1005	800	175
100x100x15	1005	1000	175
100x120x15	1005	1200	175
100x140x15	1005	1400	175
100x160x15	1005	1600	175
100x180x15	1005	1800	175
100x200x15	1005	2000	175

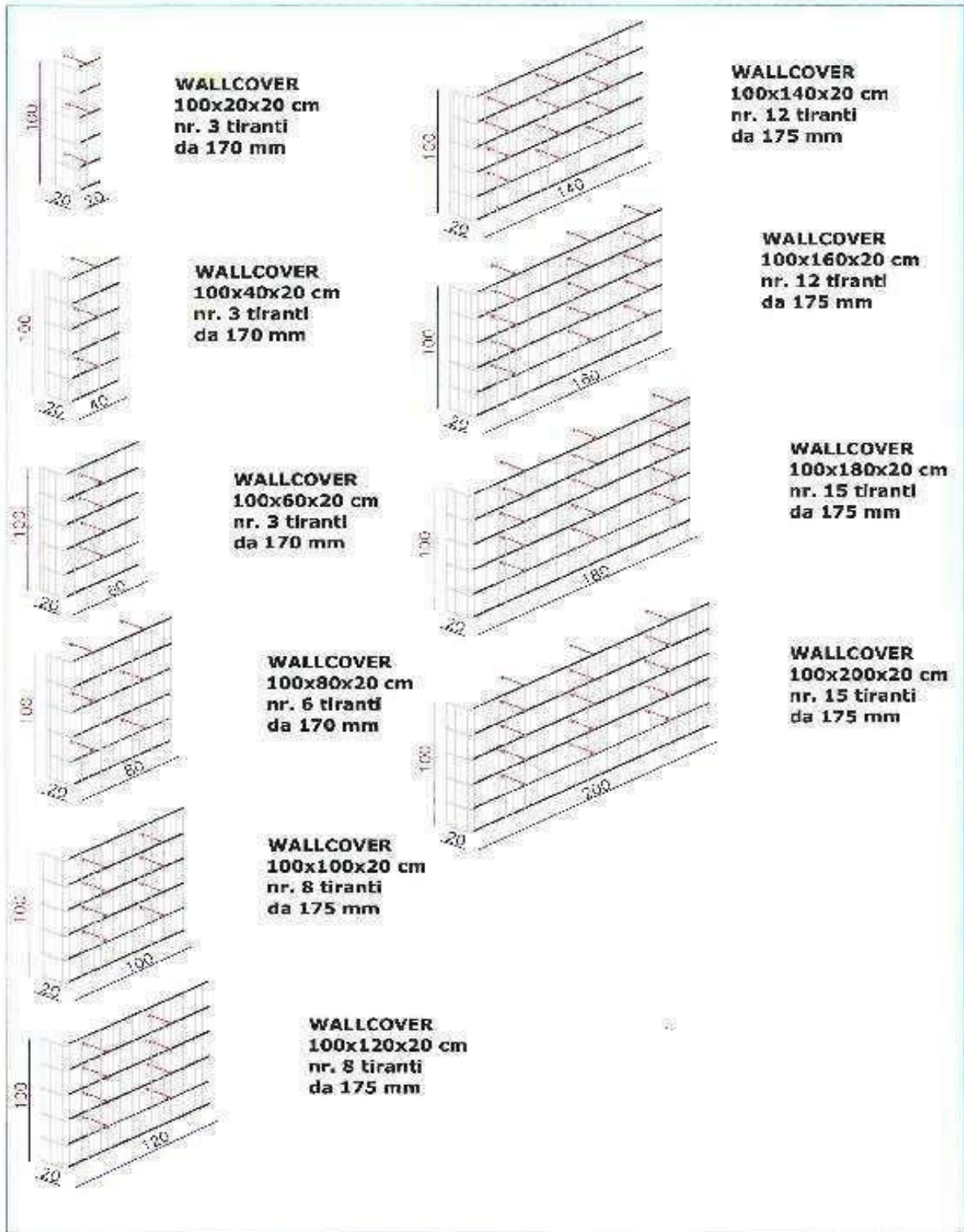
WALLCOVER GABION TOP PANEL		
Commercial name (WxL)	Nominal dimensions (mm)	
	W	L
21x200	210	200
21x400	210	400
21x600	210	600
21x800	210	800
21x1000	210	1000
21x1200	210	1200
21x1400	210	1400
21x1600	210	1600
21x1800	210	1800
21x2000	210	2000
16x200	160	200
16x400	160	400
16x600	160	600
16x800	160	800
16x1000	160	1000
16x1200	160	1200
16x1400	160	1400
16x1600	160	1600
16x1800	160	1800
16x2000	160	2000

WALLCOVER GABION Stiffeners	
Commercial name	Nominal dimensions (mm)
120	120
170	170

WALLCOVER GABION Mesh		
Commercial name (MxN)	Nominal dimensions (mm)	
	M (vertical)	N (horizontal)
200x45	200	45
200x50	200	50
200x55	200	55
200x60	200	60
195x50	200	50

Wires WALLCOVER	
Commercial name	Nominal diameter (mm)
6	6,00





**Instructions and information for the proper movement, storage, transportation,
assembling and laying. ETA 17/0059**

Section 11 paragraph 6 of UE 305/2011 Regulation

- 1. Usage destination of the product:** The gabion is destined to be used for wall coverings and for architectural applications.
- 2. Handling:** The filled gabion cannot be moved, for practical purposes the panels need to be moved singularly. During the handling, lifting and transport operations of the panels, their integrity must be guaranteed, avoiding shocks, tears or other causes of damage. All operations must be performed in compliance with the provisions of Legislative Decree no. 81/08 and subsequent updates.
- 3. Lifting:** The filled gabion cannot be lifted, for practical purposes the panels need to be lifted singularly. The panels must be hoisted, on appropriate wooden platforms, by machines equipped with a load securing device such as, for example, a hook. To the sealing device, steel chains or ropes, equipped with adequate lifting accessories, able to withstand the stresses induced by the weight of the manufactured articles, must be fixed jointly, respecting the directive 2006/42 / EC. All operations must be performed in compliance with the provisions of Legislative Decree 81/08 and subsequent update.
- 4. Transportation:** The filled gabion cannot be moved, for practical purposes the panels need to be lifted singularly. During the transport the individual components of the gabions must be placed on appropriate wooden platforms, positioned in a stack and secured to the vehicle with suitable cables, in compliance with the regulations governing the safety of transport and those of the Highway Code.
- 5. Storage:** The storage of the individual panels that compose the gabion must take place placing them in piles made up of successive layers resting on wooden platforms. The heap laying surface must be levelled and compacted. All operations must be performed in compliance with the indications of D.lgs. 81/08 and subsequent updates.
- 6. Installation:** for the installation, gabions have to be positioned in plan and in assess as verified from the general planner of the structures (Law 5/11/71 n 1086- norm3/9) without exceeding the permitted loads. All the operations have to be performed according to the indications of D.lgs. 81/08 and subsequent updates.
- 7. Use and maintenance:** eventual information about the use and maintenance has to be edited by the general planner of the structures, in the maintenance plan of the work, and from the safety coordinator, in the work file. It is however necessary that the use and maintenance of the gabion is appropriate to the intended use of the project, without exceeding the admissible loads.
- 8. Instruction for the correct assembling of the gabions:** gabions are made of panels that have to be connected with the specific hook they are equipped with. For assembling details references should be made to the complete information available with a simple request to Metallurgica Ledrense Soc. Coop. Are available at the following link: www.ml-ita.com