



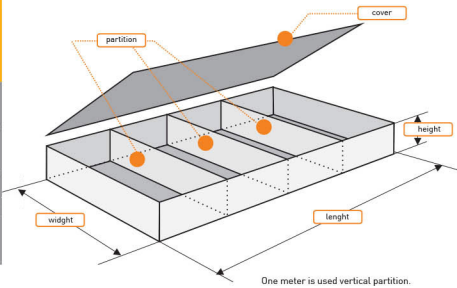
Nector produces double-twisted hexagonal mesh and gabion baskets of all sizes for use in construction projects. Our patented technology means our mesh is more than three times stronger than typical products used to make gabions, giving you confidence that your project will stand the test of time.

We provide double-twisted hexagonal meshes and gabions of all sizes, and our team of experts provides individualized advice on how to apply our innovative products in your project. Our prices are competitive, and our service is second to none. Double-twisted hexagonal meshes and baskets made by Nector meet the highest quality and environmental protection standards.

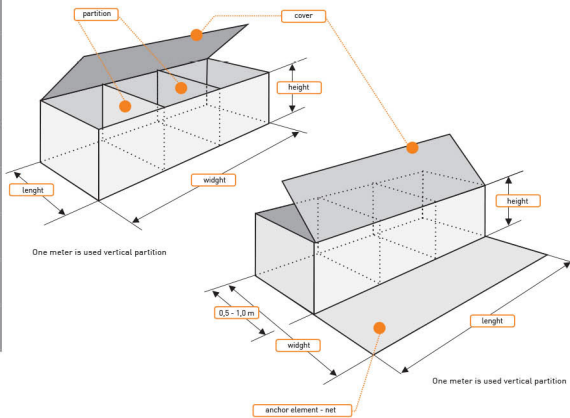
The wire in our mesh is coated either with ZnAl alloy (Galvan, Crapal, Bezinal – class A); each type can also be given an additional UV-resistant PVC coating. Stainless-steel mesh is also available. We provide high-performance pneumatic ringers and 3-mm wire C-rings to form and join our baskets.

**Please explore our site to find the products that are right for your project.
 We look forward to doing business with you!**

GABION MATTRESSES				
length (m)	width (m)	height for mesh size 50x70 (m)	height for mesh size 60x80 (m)	tolerance (%)
3,00	2,00	0,15 - 0,20 - 0,25 - 0,30	0,17 - 0,23 - 0,30	± 5
4,00	2,00	0,15 - 0,20 - 0,25 - 0,30	0,17 - 0,23 - 0,30	± 5
5,00	2,00	0,15 - 0,20 - 0,25 - 0,30	0,17 - 0,23 - 0,30	± 5
6,00	2,00	0,15 - 0,20 - 0,25 - 0,30	0,17 - 0,23 - 0,30	± 5



GABION BASKETS				
length (m)	width (m)	height (m)	tolerance (%)	volume (m³)
1,00	1,00	0,50	± 5	0,50
1,00	1,00	1,00	± 5	1,00
1,50	1,00	0,50	± 5	0,75
1,50	1,00	1,00	± 5	1,50
2,00	1,00	0,50	± 5	1,00
2,00	1,00	1,00	± 5	2,00
3,00	1,00	0,50	± 5	1,50
3,00	1,00	1,00	± 5	3,00



The MANUFACTURE of mattresses, baskets, cylinders with non-typical dimensions is POSSIBLE



Slope protection mesh

Nector HDMesh SPS		2.65/ZnAl	27.65/ZnAl	3.65/ZnAl
anti corrosion coating Zn95Al5 class A	g/m ²	215	245	255
mesh size	mm	65x120	65x120	65x120
wire diameter	mm	2,0	2,7	3,0
tensil strength of wire	N/mm ²	≥1770	≥1770	≥1770
tensil strength of mesh	kN/m	≥85	≥150	≥200
breaking strength of the mesh parallel to the slope surface	kN/m	≥35	≥50	≥60
shearing - off resistance in nail direction	kN	≥50	≥90	≥120
punching resistance	kN	≥100	≥180	≥240
mesh elongation	%	<6	<6	<6

Nector HDMesh SPS		2.65/SS	27.65/SS	3.65/SS
anti corrosion coating	stainless wire 1.4462, AISI318LN			
mesh size	mm	65x120	65x120	65x120
wire diameter	mm	2,0	2,7	3,0
tensil strength of wire	N/mm ²	≥1650	≥1650	≥1650
tensil strength of mesh	kN/m	≥85	≥150	≥200
breaking strength of the mesh parallel to the slope surface	kN/m	≥30	≥50	≥55
shearing - off resistance in nail direction	kN	≥45	≥90	≥100
punching resistance	kN	≥90	≥180	≥200
mesh elongation	%	<6	<6	<6

wire galvanic coatings

plaited wire diameter (mm)	edge wire diameter (mm)
2,2	2,7
2,7	3,4
3,0	3,9

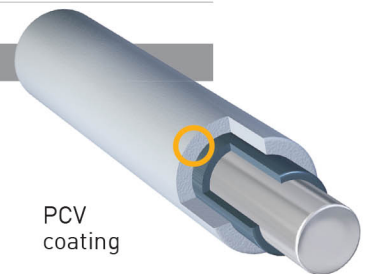
wire galvanic coatings + PCV

plaited wire diameter (mm)	edge wire diameter (mm)
2,2 / 3,2	2,7 / 3,7
2,7 / 3,7	3,4 / 4,4

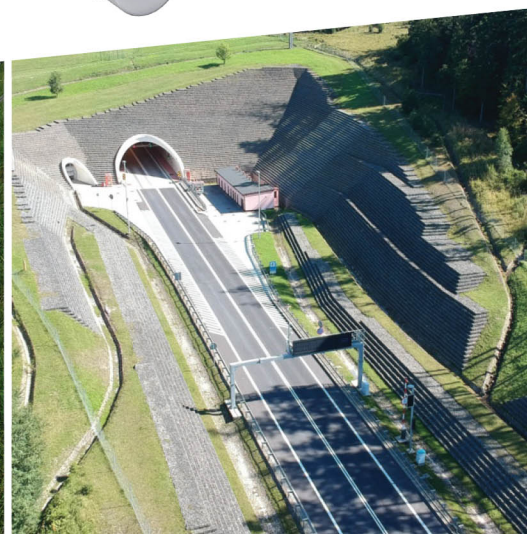
Thickness of Zn galvanic coating is between 240g/m² to 305g/m²



galvanic coating
Zn, Zn+Al



PCV coating





Rockfall protection system

technical specification

Specification/Barrier type	NecB-300	NecB-750	NecB-1500	NecB-2300	NecB-3300
Energy level category / Value (kJ)	0 / 300	2 / 750	3 / 1500	5 / 2300	6 / 3300
Type of ring net	-	-	HDRMesh 350	HDRMesh 350	HDRMesh 350
Number of loop	-	-	5	7	9
Type of high-strength hexagonal mesh	HDMesh 27.65	HDMesh 3.65	HDMesh 3.65	HDMesh 27.65	HDMesh 3.65
Wire diameter (mm)	2,7	3,0	3,0	2,7	3,0
Opening size (mm)	65	65	65 / 350	65 / 350	65 / 350
Type of steel post	HEA / HEB	HEA / HEB	HEA / HEB	HEA / HEB	HEA / HEB
Spacing between posts (m)	6-12	6-12	6-12	8-12	8-12
Diameter of load-bearing ropes (mm)	12-14	14-18	14-20	16-22	20-22
Barrier height (m)	2-3	2-5	3-5	3-5	4-6
Residual value	> 50% (Kat. A)	> 50% (Kat. A)	> 50% (Kat. A)	> 50% (Kat. A)	> 50% (Kat. A)



History

The tradition of hexagonal meshes and gabions production in Kraków dates back to 19th century.

In 1890, Józef Gorecki established the first Polish hexagonal mesh factory in Kraków. It should be remembered that at that time Poland was partitioned by three countries. Kraków was located on the territory seized by Austria.

After Poland had regained independence in 1918, the factory was moved to Wadowice, the birthplace of Pope John Paul II.

After the World War II, the communist authorities took the factory away from the Gorecki family and transformed it into a military factory. Unfortunately, it was closed down after several decades of its post-war activity.

From the very beginning of its operations, Nector aimed to restore and continue the tradition of hexagonal mesh production in Kraków. Nector is the first company in the world to develop and launch into production double-twisted hexagonal mesh made of high-carbon steel wire with tensile strength of ≥ 256 ksi (1770 N/mm²) and also made of stainless steel wire with tensile strength of ≥ 238 ksi (1650 N/mm²).

Nector HDMesh high tensile strength mesh is used e.g. for rockfall protection, debris flow barriers, slope protection of road embankments and excavations with an anchoring system.



Archie: ank.gov.pl





NECTOR

NATURAL HAZARD PROTECTION SYSTEMS

Rockfall protection systems



NECTOR Sp. z o.o.

biuro / office

ul. Szlak 65/502, 31-153 Kraków

tel. +48 12 631 85 50, fax: +48 12 631 85 51

biuro@nector.biz

► www.nector.biz





FIRST POLISH COMPANY SPECIALIZED
IN THE PRODUCTION OF HEXAGONAL MESH
AND MACHINE PRODUCED GABIONS

OUR STRENGTHS

- qualified specialists
- efficient handling of contracts
- professional advice
- own machine park
- competitive offer



NECTOR Sp. z o.o.

31-153 Krakow
Szlak Street 65/502

tel. +48 12 631 85 50



nector.biz