



ABOUT US

The production facilities of our company are located in the suburb of Batumi - Chakvi in Georgia. The company is the largest manufacturer of ring nets in its region. Our products are widely in demand for engineering protection of the territory from dangerous geological processes both in the countries of Europe and in Asia. Ring nets are used in rockfall barriers, debris flow barriers, rockfall protection drapes.

A distinctive feature of our ring nets is the rope weaving of wires in rings. The weaving of wires in rings essentially represents a braided steel rope from wires with a diameter of 3 and 4 mm. The beginning and end of the wires are hidden inside the rings and are held due to the friction forces between the wires. Our unique technology allows us to weave not only standard four-contact ring nets, when each ring is woven into four adjacent rings, but also six-contact ring nets, when each ring is woven into six adjacent rings! We can manufacture non-standard trapezoidal and triangular ring net panels according to the individual dimensions of the customer.

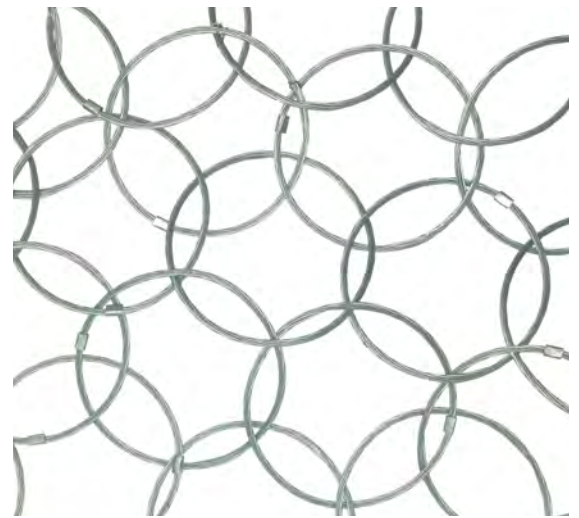


The inner ring diameter:

- 250 mm
- 270 mm
- 350 mm
- 420 mm

Type of ring binding,
number of wire loops:

- 7
- 12
- 19

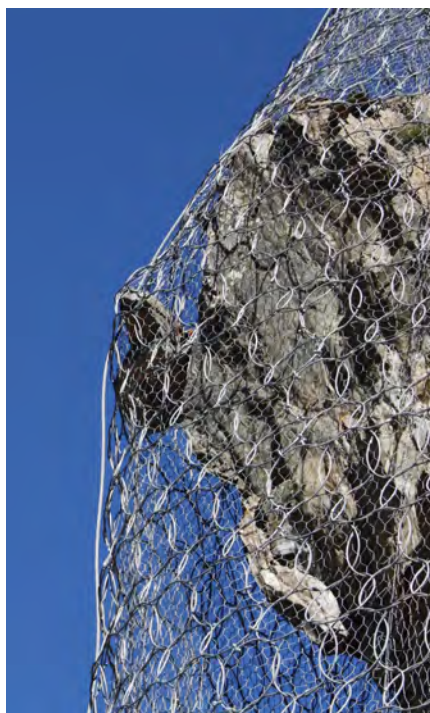


A wide range of materials for different types of engineering protection

Ring net 4.42.19/6
for debris flow barrier



Ring net 3.35.7/6
for debris flow barrier



Ring net 3.25.7/6
for rockfall barrier





Caucasus Engineering Protection

Ring net producer

ROCKFALL RING NETS

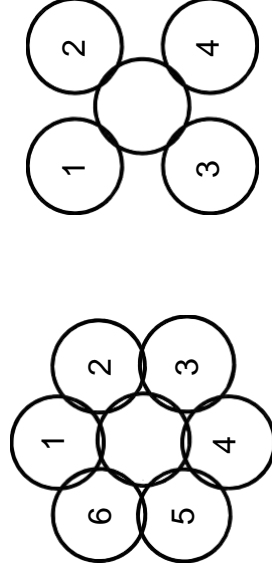
Technical characteristics	2.5.35.7/4	3.42.7/4	3.35.7/4	2.5.25.7/4	2.5.35.7/6	3.42.7/6	3.35.7/6	2.5.25.7/6	3.25.7/4	4.42.7/4	3.42.12/4	4.35.7/4	3.35.12/4	4.42.12/4	3.35.19/4	4.35.12/4	3.42.19/6	4.42.12/6	3.35.19/6	4.35.12/6	4.42.19/4	4.42.19/6		
The inner ring diameter, mm	350	420	350	250	350	420	350	250	250	420	420	350	350	420	350	350	420	420	350	350	420	420	420	
Type of ring binding, number of wire loops	7	7	7	7	7	7	7	7	7	7	12	7	12	12	19	12	19	12	19	12	19	19	19	
Type of net binding, number of contact points	4	4	4	4	6	6	6	6	4	4	4	4	4	4	4	4	6	6	6	6	6	4	6	
Wire diameter, mm	2,5	3	3	2,5	2,5	3	3	2,5	3	4	3	4	3	4	3	4	3	4	3	4	3	4	4	
Weight of one ring, kg	0.315	0.53	0.44	0.225	0.315	0.53	0.44	0.225	0.32	1.0	0.95	0.83	0.8	1.5	1.65	1.25	1.4	1.5	1.65	1.25	1.4	2.55	2.55	
Breaking load of the ring, kN	75	100	100	75	100	100	75	100	75	100	190	205	190	205	340	370	340	370	340	370	340	600	600	
Tensile strenght of net, kN/m	150	200	210	215	215	270	300	300	310	340	350	370	400	415	500	520	525	570	585	630	650	700	860	925
Tensile strenght, N/mm ²	≥1570																							
Corrosion protection, Zn coating, g/m ²	≥255																							

By request can be manufactured:

- ring nets from stainless steel wires, including stainless steel for use in seawater;
- ring nets with not standard sizes, for example one-piece trapezoidal panel for mud flow barriers;
- ring nets from wires with tensile strength ≥ 1770 N/mm²;
- ring nets from wires with 95%Zn5%AL coating.

Max. possible weight of one ring net panel ≤ 1500 kg.

Standard panel size: width 3 m x height (folding/unfolding direction) 10 m



Designation system:

3.35.7/6

3 mm - wire diameter

35 cm - ring diameter

7 - number of wire loops

6 - number of contacts

between rings

6 contacts
between rings

4 contacts
between rings