

MAC.RO SYSTEM - OM250

OM250

OM 250 is a flexible rockfall barrier for energy absorption capable of resisting a minimum impact load of 250 kJ.

Complies with the following Standard and Norms

- “Guidelines for the testing of rockfall protection barriers”, Politecnico of Torino.
- Technical standards of A.N.A.S. “Technical Department For The Road Safety”, April 2001.

Materials used, conform to the following standards

- **UNI EN 10025** “Hot rolled products of non-alloy structural steels, Technical delivery conditions”.
- **UNI EN 5397** “Hot rolled steel finished products Parallel broad-flanged HE Beams, Dimensions and tolerances”.
- **UNI EN ISO 1461** “Hot dip galvanised coatings on fabricated iron and steel articles, Specifications and test materials”.
- **EN 12385-4** “Steel wire ropes – Safety Part 4, Standard ropes for general lifting applications”.
- **UNI EN 10244-2** “Steel wire and wire products, Non ferrous metallic coatings on steel wire zinc or zinc alloy coatings”.
- **CNR UNI 10011** “Steel structures, Instructions for design, construction, testing and maintenance”.

Technical features

The system has the catch net downhill of the barrier. Since the posts work independently of the catch net, a direct impact on the posts would not impede the immobilisation of the rock boulder by the net.

The barrier's components are designed to be easily transported and assembled in extreme conditions.

The barrier has been designed and produced to comply with the norm UNI EN ISO 9001.

Recommended values and loads

- top edge border : 50 cm
- lateral edge border : 500 cm
- uphill anchor load : 200 kN
- lateral anchor load : 300 kN



Figure 1



Figure 2

Table 1 - BARRIER DIMENSIONS

HEIGHT (m)	POST DISTANCE (m)
4	5 - 10

