

Mining Mesh

Basic Descriptions

Introduction

The installation of mesh in an excavation is a technique that can largely reduce falls of small rocks.

Hoek, Kaiser and Bawden (1995) refer to this approach as a “safety” support system, the purpose of which is to prevent unexpected falls of small rocks.

Flexible mine mesh can be used in conjunction with other elements to be part of an integrated system for supporting dynamic or static loads.



Technical Data

Below are typical values that may be required for a project using plain bolting technologies. Because each project is unique, Nordic Geo Support will work with customers to match the right characteristics of products to the project.

Mesh					
Sheet Size (mm)	2500 x 2880	2230 x 2530	2530 x 2900	2270 x 2530	2530 x 2925
Aperture Size (mm)	75 x 75	100 x 100	100 x 110	125 x 125	125 x 125
Wire Gauge Thickness (mm)	5,5	5,5	5,5	5,5	6
Yield Point (N/mm ²)	180 - 400				
Tensile Strength ((N/mm ²)	280 - 450				
Welded Point Strength (kN)	> 20				
Elongation	> 8,0				
Total Weight (kg)	36,5	21,7	26,8	17,9	27,1
Weight (kg/m ²)	5,1	3,85	3,65	3,11	3,66
Surface Preparation	Hot dip galvanised or Standard finished materials				