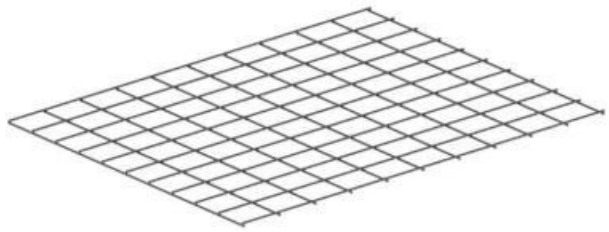
Mine Mesh

Welded Mine Mesh / Mesh Straps

ROCK REINFORCEMENT

TECHNICAL DATA SHEET



DESCRIPTION

Normet welded mine mesh is used to provide surface support in underground mines and tunnels. It is manufactured from individual wire strands welded together to form a mesh. The mesh is typically combined with other rock reinforcement systems, such as bolts and shotcrete, to enhance support at mine or tunnel openings. It functions as a retaining element, helping to contain rock fragments and loose materials between bolts in the roof and rib areas.

The wire diameter, mesh spacing, and overall dimensions of the welded mine mesh can be customized to suit specific application requirements.

TYPICAL APPLICATIONS

- Widely used as surface support in underground mines and tunnels to retain loose or fractured rock.
- Installed in critical or high-traffic areas to reduce the risk of falling rock.
- Used as temporary support in large drift faces or other unstable zones to contain spalling rock.
- Reinforces shotcrete to provide enhanced retaining functions.
- Offers superior containment of rock bursts in dynamic environments.

KEY BENEFITS

- Trimmed edges to ensure limited overhang of wire and prevent injury during handling.
- Weld tests completed on all welders over continuous runs.
- Weld strength to be greater than 75% of the wire UTS.
- Typical wire spacing of 100mm.
- Wire dimensions, spacing and overall dimensions can be customised to suit individual applications.
- Available as Mesh Straps from 4mm to 8mm diameters.
- Custom high strength or seismic sheets available with double or additional wires to suit individual requirements.
- Available in plain steel or with galvanised corrosion protection.

TECHNICAL DATA

Wire Diameter	Weld Strength
4.0 mm	4.7 kN
5.0 mm	7.5 kN
5.6 mm	9.4 kN

Specifications	
Wire Grade	AS4671:2001 – Grade 500L
Galvanising	AS2423:2001 W02Z >80g/m2

PACKAGING

- Steel or plastic strapping
- 25 per sub bundle
- 50 per bundle
- Wooden gluts between each pack