

**MINING**

**OSRO ROD STRAP ROCK SUPPORT**

**STEEL ACCESSORIES**

**DESCRIPTION**

Osro rod straps are used in mining and tunnelling to provide continuous strip support between rock bolts, inhibiting fall-outs between the bolts and helping to maintain the integrity of the rockmass. The rock bolts are installed through the Osro straps and tightened against the rock surface. The stiffness of the strap results in pre-loading of the rock, as well as transferring loads due to rock movement onto the bolts. Osro straps may replace steel sheets and formed plates such as “W” straps.



**APPLICATION AND USE**

The Osro strap is held in position against the rock surface. Rock bolts are installed through the apertures between the wires and tightened. Washers/bearing plates must be used to ensure that the bolts do not pull through the gaps between the wires.

Osro straps may be used in conjunction with shotcrete and/or Thin Sprayed Liners (TSL’s) such as Capcem KT, to provide extended area support and to protect the rock surface from weathering.

**ADVANTAGES**

- No restriction on location of the rock bolts, or requirement for accurate collaring of drill-holes
- High bending resistance in long direction
- Flexible enough to be installed against uneven roof
- May be overlap-joined to extend the coverage area
- Light in relation to strength and support capability

**TECHNICAL DATA**

Laboratory data may vary in the field due to unevenness of the rock surface and loads imposed.

Specifications	Unit	Data
Length	m	2.0, 5.5, 6.0
Width	mm	300
Main Rods		5 parallel rods, 8 mm diameter
Cross Wires		Every 150 mm, 6 mm diameter
End Wires		2 cross wires, 75 mm apart at ends of each strap
Galvanising		If specified

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