**T-CHANNELS**

**Description**
- 7-gauge channels have tensile strength of 60,000 psi
- Increased strength and safety, compared with roof mats
- Easily installed with regular bolting cycles
- #5 steel channels for higher strength, less resistance to ventilation
- Available in 8-foot through 20-foot sections with other lengths on request
- Gauges range from 12 gauge to 5/16 in. Channels have tensile strength of 36,000 to 80,000 psi.
- High beam strength providing resistance to roof sag
- For use with JENNMAR Advanced Channel Plates.

**PH® ROOF/RIB SAFETY CHANNEL**

**Description**
- Controls roof/rib sloughage
- Controls “cutter” roof
- Enhances performance of wire mesh
- Easy installation
- Provides active support to roof and rib
- Prevents accidents caused by rib-roll and sloughage
- Promotes safe working environment.
ROOF/RIB SAFETY CHANNEL

Description
- Gauges range from 12 ga to 5/16 in. ga
- Tensile strength of 38,000 to 80,000 psi
- Prevents accidents caused by rib-roll
- Promotes safe working environment
- Easy to install
- Enhances beaming effect
- Provides resistance to roof sag and rib sloughage
- For use with JENNMAR® Channel Plate.

ROOF MATS

Description
- Temporary or permanent preventive for roof deterioration, as addition to roof bolt plan
- Lengths 54 in. to 240 in.; seven widths from 4-1/2 in. to 10-1/2 in.
- Gauges 12, 14, 16
- Hot rolled, cold rolled, galvanized
- Strong and flexible; bolt holes punched to suit your roof bolt plan
Channels, Mats, Beams, Mesh

J-CHANNEL BEAMS

Description
- J-Channel uses 3/16 in. high strength steel with 50,000 psi yield strength and can replace wooden timber beams from 3 × 6 up to 3 × 10 in.
- Lightweight, weighing only 9.58 lb/ft. Easy to handle reducing handling injuries
- Choice of steels and thicknesses providing a variety of strength
- Compact dimensions allowing larger quantities to be easily stored in mine
- Tabs on each end provide better support of mine props or timbers if required

WIDE FLANGE BEAMS

JENNMAR will fabricate lengths of Wide Flange Beams (W Beams) to customer’s individual needs. Wide Flange Beams are available in the following material dimensions:

<table>
<thead>
<tr>
<th>NOMINAL DIMENSIONS</th>
<th>NOMINAL WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>IN. × MM</td>
<td>LB/FT</td>
</tr>
<tr>
<td>W 14 × 6-3/4</td>
<td>356 × 171</td>
</tr>
<tr>
<td>W 14 × 5</td>
<td>356 × 127</td>
</tr>
<tr>
<td>W 12 × 8</td>
<td>305 × 203</td>
</tr>
<tr>
<td>W 12 × 6-1/2</td>
<td>305 × 165</td>
</tr>
<tr>
<td>W 12 × 4</td>
<td>305 × 102</td>
</tr>
<tr>
<td>W 10 × 8</td>
<td>254 × 203</td>
</tr>
<tr>
<td>W 10 × 5-3/4</td>
<td>254 × 146</td>
</tr>
<tr>
<td>W 10 × 4</td>
<td>254 × 102</td>
</tr>
<tr>
<td>W 8 × 8</td>
<td>203 × 203</td>
</tr>
<tr>
<td>W 8 × 6-1/2</td>
<td>203 × 165</td>
</tr>
<tr>
<td>W 6 × 4</td>
<td>152 × 102</td>
</tr>
<tr>
<td>W 6 × 4</td>
<td>152 × 102</td>
</tr>
<tr>
<td>W 5 × 5</td>
<td>127 × 127</td>
</tr>
<tr>
<td>W 4 × 4</td>
<td>102 × 102</td>
</tr>
<tr>
<td>W 8 × 5-1/4</td>
<td>203 × 133</td>
</tr>
<tr>
<td>W 8 × 4</td>
<td>203 × 102</td>
</tr>
<tr>
<td>W 6 × 6</td>
<td>152 × 152</td>
</tr>
</tbody>
</table>

- Can be installed in mining cycle; other shifts can install yieldable legs or props where needed
- INSTÁL® or Combination bolts and resin with flat plates are recommended for cost saving
- Available in 8 through 18 ft sections with other lengths on request.

WIDE FLANGE BEAMS

J-Channel uses 3/16 in. high strength steel with 50,000 psi yield strength and can replace wooden timber beams from 3 × 6 up to 3 × 10 in.

- Lightweight, weighing only 9.58 lb/ft. Easy to handle reducing handling injuries
- Choice of steels and thicknesses providing a variety of strength
- Compact dimensions allowing larger quantities to be easily stored in mine
- Tabs on each end provide better support of mine props or timbers if required
Channels, Mats, Beams, Mesh

WIRE MESH
JENNMAR’s Welded Wire Mesh is produced with totally trimmed flush edges, assuring an extra measure of worker protection. Wire mesh mats are engineered to give extended and dependable protection in material and surface control applications.

- Available in 2 x 2, 4 x 4, 6 x 6 in. patterns in both sheets and rolls
- Available with galvanized coating
- Ends and sides are flush cut
- Available in the following gauges: 4, 6, 8, 9, 10
- Standard sheet and roll sizes:
  Width 48 to 96 in.; Length 48 in. to 24 ft.

MINEMESH™
MineMesh™ is a lightweight, easy-to-install grid material for use as a supplemental support in rib control systems, offering unsurpassed strength-to-weight ratio. In addition, MineMesh received acceptance by MSHA as a flame resistant1 product for use in mines and provides structural strength, exceptional handling and superior protection.

Structural and Mechanical Properties

<table>
<thead>
<tr>
<th></th>
<th>UNITS</th>
<th>MD VALUES</th>
<th>XMD VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULTIMATE TENSILE STRENGTH1</td>
<td>lb/ft (kN/m)</td>
<td>2000 (29)</td>
<td>2000 (29)</td>
</tr>
<tr>
<td>ROLL WEIGHT*</td>
<td>lbs (lb/10ft)</td>
<td>52 (2.79)</td>
<td></td>
</tr>
<tr>
<td>APERTURE DIMENSIONS</td>
<td>in. (mm)</td>
<td>1.6 (41)</td>
<td>1.6 (41)</td>
</tr>
<tr>
<td>MINIMUM RIB THICKNESS</td>
<td>in. (mm)</td>
<td>0.04 (1.0)</td>
<td>0.04 (1.0)</td>
</tr>
<tr>
<td>PRODUCT WEIGHT*3</td>
<td>oz/yr² (g/m²)</td>
<td>5.0,-1/2, (170)</td>
<td>5.0,-1/2, (170)</td>
</tr>
</tbody>
</table>

1 MineMesh™ carries M.S.H.A. Acceptance number IC-265/01 and passes all requirements of flammability resistance determined from vertical and horizontal flame tests in accordance with 30 CFR, Part 7, Subpart A & B and ASTP5011 - Standardized Small Scale Flame Test Procedure for the Acceptance of Roof-Rib Grid.
2 Attained via ASTM D 6637, Product will meet or exceed above specification.
3 Attained via ASTM D 5261, Product will meet or exceed above specification.

“Dimensions and Delivery
MineMesh™ will be delivered with each roll containing unique identification information, UV protective packaging with standard roll dimensions of nominally 2 meters (78 in.) wide and 56.7 meters (186 ft) long. Standard roll will weigh 52 lbs (+/- 5 lbs).