WESTERN Welded wire Fabric consists of a series of parallel longitudinal wires welded at their intersections with a series of transverse wires by an automatically controlled electrical process without the addition of any metal etc. The hard drawn wires used comply in the respects to IS 432 (part II) and BSS 785. The Welded Wire Fabric conforms to IS. 1566 and BSS:

The mesh and wire sizes given in the tables within are standard sizes the are generally in stock or available from short delivery. Special size required can be made to order.

Sheets can be supplied in maximum widths of 2.7m (9') and Rolls are supplied in standard widths of 0.92m (3'), 1.22m (4'), 1.52m (5') and any width upto 8', each roll containing generally 15m (50'), 30m (100'), 45m (150'), 60m (200'), or any specified length.

WESTERN Welded Wire Fabric, when used as a Reinforcement as per IS:1566 and with wires of Fe480 grade (IS:432(II)) results in a saving of around 40% of steel vis-a-vis Mild Steel of Fe250 grade, on account of its higher yield point of minimum 480 N/mm² as against 250 N/mm² of rolled mild steel. Vis-a-vis HYSD or Tor Steel bars of Fe 415 grade, WESTERN Welded Wire Fabric offers a saving of around 14.55% steel.

The process of hard drawing results in every section of wire being actually tested as to tensile strength thereby rendering it a more reliable material. With WESTERN Welded Wire Fabric there is No Laying of Single Bars, No Binding, No Cutting, No Bending, No Hooks, No Small pieces to be lost. WESTERN Fabric is quick and easy to lay, and once in position is not readily displaced by workmen when laying the concrete, as in often the case when rods are used.

The Bonding Area of a close mesh fabric with welded joints is several times greater than Manually assembled ReBars, since the Mechanical Anchorage action of Cross Welded Joints offers much superior Pull-out strength compared to the mere Peripheral Bonding in Manually assembled ReBars.

Advice and guidance in the most economical usage of Welded Wire Mesh for Concrete Reinforcement or other applications will be gladly provided on request.

Manufactured by:
WESTERN INDIA WIRE INDUSTRIES
S. No.: 513, Pokhran Road No. 2, Opp. Maitri Gardens, Thane (West), Maharashtra, INDIA.
Phones: 91-22-21736451 / 52 / 53, 21736266, Fax: 91-22-21736454
Email: dodeja_thane@mtnl.net.in / sales@weldedwiremesh.in
Website: www.weldedwiremesh.in
### The Standard Types of Western Wire Fabrics

#### Rectangular Mesh

<table>
<thead>
<tr>
<th>Type</th>
<th>Western Fabric Ref. No.</th>
<th>Distance to Centre of Wire</th>
<th>Diameter of Wires</th>
<th>Sectional Area of wires per metre width</th>
<th>Weight of Fabric per metre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td>7x5-7.5</td>
<td>3G316M</td>
<td>75</td>
<td>75</td>
<td>4.0</td>
<td>160</td>
</tr>
<tr>
<td>7x5-7.5</td>
<td>3G314M</td>
<td>75</td>
<td>75</td>
<td>4.0</td>
<td>160</td>
</tr>
</tbody>
</table>

#### Square Mesh

<table>
<thead>
<tr>
<th>Type</th>
<th>Western Fabric Ref. No.</th>
<th>Distance to Centre of Wire</th>
<th>Diameter of Wires</th>
<th>Sectional Area of wires per metre width</th>
<th>Weight of Fabric per metre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td>7x5-7.5</td>
<td>3G305M</td>
<td>75</td>
<td>75</td>
<td>4.0</td>
<td>160</td>
</tr>
<tr>
<td>7x5-7.5</td>
<td>3G304M</td>
<td>75</td>
<td>75</td>
<td>4.0</td>
<td>160</td>
</tr>
</tbody>
</table>

#### Long Mesh Fabric

<table>
<thead>
<tr>
<th>Type</th>
<th>Western Fabric Ref. No.</th>
<th>Distance to Centre of Wire</th>
<th>Diameter of Wires</th>
<th>Sectional Area of wires per metre width</th>
<th>Weight of Fabric per metre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td>C785</td>
<td>RC785M</td>
<td>100</td>
<td>400</td>
<td>10</td>
<td>70</td>
</tr>
<tr>
<td>C503</td>
<td>RC503M</td>
<td>100</td>
<td>500</td>
<td>8</td>
<td>55</td>
</tr>
<tr>
<td>C385</td>
<td>RC385M</td>
<td>100</td>
<td>500</td>
<td>7</td>
<td>50</td>
</tr>
<tr>
<td>C385</td>
<td>RC385M</td>
<td>100</td>
<td>500</td>
<td>7</td>
<td>50</td>
</tr>
</tbody>
</table>

#### Wrapping Fabric

<table>
<thead>
<tr>
<th>Type</th>
<th>Western Fabric Ref. No.</th>
<th>Distance to Centre of Wire</th>
<th>Diameter of Wires</th>
<th>Sectional Area of wires per metre width</th>
<th>Weight of Fabric per metre</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
<td>kg</td>
</tr>
<tr>
<td>D49</td>
<td>SD49M</td>
<td>100</td>
<td>100</td>
<td>2.5</td>
<td>49.1</td>
</tr>
<tr>
<td>D31</td>
<td>SD31M</td>
<td>100</td>
<td>100</td>
<td>2.0</td>
<td>31.4</td>
</tr>
<tr>
<td>D98</td>
<td>SD98M</td>
<td>200</td>
<td>200</td>
<td>5.0</td>
<td>98.0</td>
</tr>
</tbody>
</table>

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### For Concrete Reinforcement (B.S. 4483: 1969)

**For General Applications**

- 75x50 - 3.15x3.15
- 25x25 - 3.15x3.15
- 50x50 - 3.15x3.15
- 50x50 - 4.0x4.0

**The Standard Types of Western Wire Fabrics**

- **Main Mesh**
  - 2'' x 1''
  - 2'' x 2''
  - 3'' x 2''
  - 3'' x 2''
  - 3'' x 3''

- **Full Size Sections of Wire**
  - 5.0 mm
  - 5.0 mm
  - 5.0 mm

**Western Wire Fabrics**

- **Type 38503 M**
  - 3'' x 10''
  - 4'' x 4''

- **Type 38504 M**
  - 3'' x 10''
  - 4'' x 4''

- **Type 38505 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38506 M**
  - 3'' x 10''
  - 4'' x 4''

- **Type 38507 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38508 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38509 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38510 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38511 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38512 M**
  - 3'' x 10''
  - 4'' x 4''

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**Notes:**

- **G** indicates General applications
- **R** indicates Rectangular mesh
- **S** indicates Square mesh

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**Western Wire Fabrics**

- **Type 38513 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38514 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38515 M**
  - 3'' x 10''
  - 4'' x 4''

**Western Wire Fabrics**

- **Type 38516 M**
  - 3'' x 10''
  - 4'' x 4''

---

**Notes:**

- **Full Size Sections of Wire**
  - 5.0 mm
  - 5.0 mm
  - 5.0 mm

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**Western Wire Fabrics**

- **Type 38517 M**
  - 3'' x 10''
  - 4'' x 4''

---

**Notes:**

- **Full Size Sections of Wire**
  - 5.0 mm
  - 5.0 mm
  - 5.0 mm

---

**Western Wire Fabrics**

- **Type 38518 M**
  - 3'' x 10''
  - 4'' x 4''

---

**Notes:**

- **Full Size Sections of Wire**
  - 5.0 mm
  - 5.0 mm
  - 5.0 mm