The Lattice Girders are produced with 2 longitudinal wires in the bottom flange and 1 wire on the top, welded together in regular distances using a smaller diameter secondary wire. The top and bottom reinforcing wires are produced with wire rod SAE 1010 that after cold rolling obtains the mechanical characteristics of the required reinforcing steel (BSt500M according to DIN488).

The Lattice Girders are used mainly as reinforcement of prefabricated slabs and beams, where concreting is performed in two stages, offering the advantage of avoiding scaffolding and formwork needed in traditional construction. Therefore Lattice Girders are best suited when slab reinforcement is generally light, while at the same time fast and no-formwork construction is needed.

<table>
<thead>
<tr>
<th>Diameters Longitudinal Wires</th>
<th>Welded Wires D1</th>
<th>Welding Spacing</th>
<th>Diameter Top D1</th>
<th>Diameter Bottom D2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø4 to Ø10</td>
<td>Ø4.2 to Ø6</td>
<td>200</td>
<td>Ø4 to Ø10</td>
<td>Ø4 to Ø10</td>
</tr>
</tbody>
</table>

The Lattice Girders are produced with 2 longitudinal wires in the bottom flange and 1 wire on the top, welded together in regular distances using a smaller diameter secondary wire. The top and bottom reinforcing wires are produced with wire rod SAE 1010 that after cold rolling obtains the mechanical characteristics of the required reinforcing steel (BSt500M according to DIN488).

The Lattice Girders are used mainly as reinforcement of prefabricated slabs and beams, where concreting is performed in two stages, offering the advantage of avoiding scaffolding and formwork needed in traditional construction. Therefore Lattice Girders are best suited when slab reinforcement is generally light, while at the same time fast and no-formwork construction is needed.

<table>
<thead>
<tr>
<th>TECHNICAL CHARACTERISTICS LATTICE GIRDER</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height H (mm)</td>
<td>70-220</td>
</tr>
<tr>
<td>Width B (mm)</td>
<td>75-100</td>
</tr>
<tr>
<td>Welding Spacing (mm)</td>
<td>200</td>
</tr>
<tr>
<td>Diameter Longitudinal Wires</td>
<td>Ø4 to Ø10</td>
</tr>
<tr>
<td>Welded Wires D1 (mm)</td>
<td>Ø4.2 to Ø6</td>
</tr>
</tbody>
</table>

### Technical Specifications

**Type:** Lattice girders

**Steel Grade:**
- Top and bottom reinforcing wires: steel grade BSt500M - DIN 488
- Welded-longitudinal wires: steel St 37-2

**Length - Dimensions:**
- Length: from 6 to 12m
- Welding spacing: 200mm

**Sales Network**

- **Greece - Sidenor SA**
  - 12th klm, National Road Thessaloniki-Volos, GR-57008, Ionia, Thessaloniki, Greece
  - Tel: +30 2310 790.118
  - Fax: +30 2310 790.144
- **Bulgaria - Stomana SA**
  - 1, Vladaisko Vastanie str., BD-2304 Pernik, Bulgaria
  - Tel: +35 976 681.013
  - Fax: +35 976 681.951
- **FYROM - Dojran Steel Ltd**
  - S. Nikolic, Posta Nov Dojran, FYROM
  - Tel: +389 34 219.228
  - Fax: +389 34 219.321

### Integrated Concrete Reinforcing System

- SD Steel
- SD Cut Lengths
- SD Coils
- SD Sidefit
- SD Stirrup Mesh
- SD Wire Mesh
- SD Sidefor
- SD Steel Fibers
- SD Lattice Girders

www.sidenor.gr • www.stomana.bg