**Technical Data**

<table>
<thead>
<tr>
<th>Rod Size</th>
<th>7/8&quot;</th>
<th>1&quot;</th>
<th>1 1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rod Body Diameter</td>
<td>.858&quot;</td>
<td>.980&quot;</td>
<td>1.225&quot;</td>
</tr>
<tr>
<td>Rod Body Area</td>
<td>.578 sq. in.</td>
<td>.754 sq. in.</td>
<td>1.18 sq. in.</td>
</tr>
<tr>
<td>Weight Per Foot @ 37.5°F</td>
<td>.6108'</td>
<td>.8188'</td>
<td>1.2879'</td>
</tr>
<tr>
<td>API Pin Size</td>
<td>3/4&quot;</td>
<td>7/8&quot;</td>
<td>1&quot;</td>
</tr>
<tr>
<td>End Fitting Diameter</td>
<td>1.50’</td>
<td>1.625‘</td>
<td>2.00’</td>
</tr>
</tbody>
</table>

**Operating Properties**

| Tensile Strength* (PSI) Min/Max | 90,000/115,000 | 90,000/115,000 | 90,000/115,000 |
| Max Working Stress (PSI) | 40,000 | 40,000 | 40,000 |
| Max Working Load (LBS) | 23,000 | 30,000 | 47,000 |
| Max Short Term Load (LBS) | 29,000 | 40,000 | **60,000** |

*Limited by steel end fittings and couplings

**Design Modulus for SUPEROD Suckerrods - 7.2MM**

Temperature Range:
Superod 0-180º and Superod High Temp 0-245º

**60,000 may exceed limitations of other equipment; i.e., elevators**

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**Calculation Minimum Pump Length**
(Pump length should be calculated with the highest pump intake pressure)

**Pump Length (working)**

\[
9 \times \text{Footage of FSR} \times 1.75 = \frac{\text{inches (a)}}{1000} \\
\text{Maximum anticipated downhole pump or Surface stroke,} = \frac{\text{inches (b)}}{\text{whichever is greater}} \\
\text{Plunger Length} = \frac{\text{inches (c)}}{1000} \\
2 \times \text{Seating Nipple Depth} = \frac{\text{inches (d)}}{1000} \\
\text{Length of Pump} = \frac{(a+b+c+d)}{\text{inches}} \\
\text{Pump Spacing} = \frac{9 \times \text{Footage of FSR}}{1000} + \frac{2 \times \text{Seating Nipple Depth}}{1000} = \text{Total distance off bottom inches}
\]

---

**Tensile Strength of Fiberglass Rods**

- 7/8":
  - Rod Body Diameter: .858"
  - Rod Body Area: .578 sq. in.
  - Weight Per Foot: .6108'
  - API Pin Size: 3/4"
  - End Fitting Diameter: 1.50'

- 1":
  - Rod Body Diameter: .980"
  - Rod Body Area: .754 sq. in.
  - Weight Per Foot: .8188'
  - API Pin Size: 7/8"
  - End Fitting Diameter: 1.625'

- 1 1/4":
  - Rod Body Diameter: 1.225"
  - Rod Body Area: 1.18 sq. in.
  - Weight Per Foot: 1.2879'
  - API Pin Size: 1"
  - End Fitting Diameter: 2.00'

---

**Superior Design and Application Engineering from the Pioneers of Fiberglass Rods**

**Corporate Office**
Big Spring, TX 79720
610 Main Street
(432) 264-7500
Fax (432) 714-4723

**Plant Office**
Big Spring, TX 79720
3408 E. 11th Place Ext.
(432) 517-4145
Fax (432) 517-4528

**Kansas Sales**
316-882-3244

**South Texas Sales**
512-626-9282

**Oklahoma Office**
Oklahoma City, OK 73142
5300 West Memorial Drive, Box 14LI
(405) Superod (405-787-3763)

1-855-346-2576 www.supero.com

**Superior Design and Application Engineering from the Pioneers of Fiberglass Rods**

We recommend 80% rod string loading to achieve maximum rod string cycle life.
Our products are made from beginning to end in the United States!

SUPEROD® is the most technologically advanced fiberglass sucker rod in the world. The new patented end fitting has the best stress distribution of any end fitting that has ever been built. This gives you a product that will last longer and handle more load than any sucker rod on the planet.

SUPEROD® prides itself in offering customer and technical services that are second to none. SUPEROD® is committed to your financial success. We offer the best product, finest customer service, superior technical assistance and manufacturing quality control from A to Z. More experience than all the other guys combined. Every rod is inspected and cycle tested before it is sent to your well.

SUPEROD® personnel will design your string, deliver it on company-owned trucks, provide installation and troubleshooting services, plus guarantee performance. All for the cost of the rod string.

Best Product, Best Customer Service, Best Quality Control, Best Warranty.

What are you waiting for?

We look forward to servicing your needs soon!