# Line Pipe Products & Connections

<table>
<thead>
<tr>
<th>Products</th>
<th>Connection</th>
<th>Size Range</th>
<th>Pressure</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAR Tubing</td>
<td>API 5L L80</td>
<td>1½”-9” (40-250 mm)</td>
<td>3,500 psi (24.1 MPa)</td>
<td>Up to 212°F (100°C)</td>
</tr>
<tr>
<td>STAR Casing</td>
<td>API 5L L80</td>
<td>1½”-9” (40-250 mm)</td>
<td>3,250 psi (22.4 MPa)</td>
<td>Up to 212°F (100°C)</td>
</tr>
<tr>
<td>STAR Shallow Well Tubing</td>
<td>API 5L L80</td>
<td>1½”-2” (40-75 mm)</td>
<td>1,500 psi (10.3 MPa)</td>
<td>Up to 150°F (65.6°C)</td>
</tr>
</tbody>
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<tbody>
<tr>
<td>STAR High Pressure Line Pipe</td>
<td>API 5L L80</td>
<td>1½”-8” (40-200 mm)</td>
<td>500-3,500 psi (3.5-24.1 MPa)</td>
<td>Up to 212°F (100°C)</td>
</tr>
<tr>
<td>STAR Super Seal</td>
<td>API 5L L80</td>
<td>8”-12” (200-300 mm)</td>
<td>500-1,250 psi (3.5-8.6 MPa)</td>
<td>Up to 200°F (93.3°C)</td>
</tr>
</tbody>
</table>

# Downhole Systems

<table>
<thead>
<tr>
<th>Products</th>
<th>Size</th>
<th>Pressure</th>
<th>Temperature</th>
</tr>
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<tbody>
<tr>
<td>STAR High Pressure Line Pipe</td>
<td>Advanced Composite Thread (ACT)</td>
<td>API 5B EUE 10rd or 8rd</td>
<td>1½”-8” (40-200 mm)</td>
</tr>
<tr>
<td>STAR Super Seal High Pressure</td>
<td>Mechanical O-Ring (SS)</td>
<td>8”-12” (200-300 mm)</td>
<td>500-1,250 psi (3.5-8.6 MPa)</td>
</tr>
<tr>
<td>Bondstrand</td>
<td>Bell &amp; Spigot (Matched Taper)</td>
<td>coil lock and key lock</td>
<td>2”-40” (50-1,000 mm)</td>
</tr>
</tbody>
</table>

# Quality

Our commitment to quality extends throughout the company and supplier network. All products are closely monitored during production and thoroughly tested. Quality standards are strictly enforced and maintained with production engineers assigned and quality audits. Third party inspections are a normal occurrence. The API Q1 Quality Rating is a requirement for approved API Line and API L80. The quality and performance requirements of API assure the customer that, not only do we meet a quality system, but also ensure a product qualified and approved for performance standards. Our adherence to this internationally recognized quality system is another indication of our commitment to our global role as a manufacturer of the highest quality products.

# Service

Field support during the installation of the products is an integral part to ensure the reliability and longevity, assure the performance of your piping system. We offer complete training and inspection service for all products throughout the world. The availability of trained personnel at the job site leads to a more successful installation.

Awarded the FIRST API Q1 and API 15HR approval for the manufacture of high pressure fiberglass pipe.
**Disposal or Injection Tubing**

Open Hole Casing, Zone or to Eliminates corrosion, tubing joints, and sucker rods.

**Tank Battery Piping**

Flow Rate:

Fire Water Lines
Safer installation due to less equipment and fewer people on site.

**Slotted Production Liners**

Observation Well Casing
Crude Oil, Salt Water, H2S
Reduced installation and operating costs.

**Rapid deployment from over 20 strategically located deployment centers.**

**Geothermal**

Oil
Chemical Waste Disposal
Pressures up to 3,500 psi (24.1 MPa)
High strength couplings for easy installation of pumps and fittings to industry standards, such as API 15HR and 15LR.

**Smoother interior pipe surface increases efficiency and resists scale/Improved Flow Capacity**

Light and easy to handle. Less personnel and equipment needed during installation.

**Resists corrosion caused by CO2, H2S and saltwater. Requires no**

**Benefits**

- Corrosion Control: Metal corrosion caused by CO2, H2S and saltwater. No water in production.
- Reduced Line Inventory Cost: Light weight and durable. Less personnel and equipment required during installation.
- Improved Fiberglass Quality: Greater interior pipe surface enhances efficiency and resists scale and buildup.

**Applications**

- Flow Line in Injection Lines
- Transfer Lines on Spoolable Tubing
- Tank Battery Piping
- Fire Lines
- Natural Gas Production
- High Pressure CO2 Oil Injection
- Water Injection
- Crude Oil, Water, Water, H2S
- Safety: Fire, Pressure, Corrosion Resistant
- API / STD 10 and 12

**Improved Downhole Make & Break Performance ACT Tubing**

The ACT connection provides superior performance, tighter thread tolerances, less breakdown torque, less threadหารเกิน, an inner thermoplastic pressure barrier that is reinforced by high-density polyethylene or high temperature polyethylene pressure pipe. Gaskets with temperatures up to 212°F (100°C). All products come in standard nominal joint lengths of 10 ft (3.0 m).

**STARWell**

The STARWell design program will assist in producing wells where steel products corrode easily. The company’s downhole products are used in a variety of formations where steel can interfere with monitoring equipment and obtaining data. We offer GRE downhole tubing and casing products produced with its unique proprietary fiberglass layering sequence, which provides superior thread shear, and unique axial and balanced hoop reinforcement.

**Downhole Tubing and Casing**

**STAR**

We are the leading downhole SML producer in the industry due to its unique proprietary fiberglass layering sequence, which provides superior thread shear.

**Fiberglass**

In 2011, we introduced a spoolable lift system for downhole applications up to 3,500 ft (1,067 m) depth. This revolutionary system is aimed at artificial lift operations, mainly the rapid and efficient recovery of low and medium rate producing wells.

**STAR**

We offer GRE downhole tubing and casing products produced with its unique proprietary fiberglass layering sequence, which provides superior thread shear, and unique axial and balanced hoop reinforcement.