Plymouth ProMoly® 4130 Tubing
It’s a Safe Choice

Joe Fitzpatrick,
DSR Racing
Fabrication Shop Manager

“Switching to ProMoly® is the least expensive thing we could do that has the greatest impact on driver safety.”

Steve Kent,
KPC Chassis
Owner

“At KPC we use Plymouth ProMoly® exclusively in our chassis for the safety, consistency and performance our customers deserve.”

Jake Hagopian,
Driven Performance
President/Owner

“Our goal is to provide our customers with a chassis that will not only perform well, but also keep our drivers safe. The quality of Plymouth ProMoly® ultimately provides these key factors in producing a winning race car!”

Glen Bourne,
ART Enterprises
Owner

“You can’t find anything better than ProMoly®.”

Plymouth ProMoly® 4130 Tubing
It’s a Seamless Decision

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800.323.9506
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sales@plymouth.com
www.plymouth.com

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**Plymouth ProMoly® 4130 Tubing**

**1. REPEATABILITY**
- Consistent from order to order
- Provides decreased set-up time and scrap for the fabricator
  - Resulting in better performance and more $$ in the Winners Circle!

**2. PREDICTABILITY**
- Predictable and reliable fabrication every time
- Tighter dimensional tolerances on OD & Wall from being cold drawn and stress relieved
  - Provides predictable finished product and consistent performance every time!

**3. RELIABILITY**
- Higher physical properties for longer lasting superior performance
- Produced in the U.S.A., Plymouth ProMoly® offers a 50 year track record of reliable American manufacturing and technical support
  - Provides reliable and predictable fabrication!

**4. WELDABILITY**
- Superior surface finish benefiting the fabricator
- Controlled Furnace Atmosphere produces a smooth surface to weld by minimizing decarburization issues
  - Saves $$ by reducing set-up and material prep time!

**5. AVAILABILITY**
- Readily available at distribution locations throughout the U.S.A. with domestic production lead times measured in weeks not months
  - Product drawn in the USA!

**PROMOLY SEAMLESS TUBING SIZE RANGE**
- OD: 0.125” – 2.250”
- OD Tolerance: +/- 0.005” (up to 1.500” OD) to +/- 0.010” (above 1.500” OD)
- Wall Range: 0.020” – 0.250”
- Wall Tolerance: +/- 10% (OD’s over 5.000”) to +/- 15% (OD’s under 5.000”)
- Specifications: AMS 6360 (also meets AMS-T-6736A, MIL-T-6736B)

**CONTRASTING PLYMOUTH PROMOLY® AGAINST THE AMS STANDARD**

<table>
<thead>
<tr>
<th>AMS 6360</th>
<th>ProMoly®</th>
<th>HSS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. Yield Strength (psi)</td>
<td>75,000</td>
<td>95,000</td>
</tr>
<tr>
<td>Min. Tensile Strength (psi)</td>
<td>95,000</td>
<td>105,000</td>
</tr>
<tr>
<td>Min. Elongation in 2” (%)</td>
<td>10 - 12%</td>
<td>15%</td>
</tr>
</tbody>
</table>

**LOAD LIFE DATA CURVES, PLYMOUTH PROMOLY® vs HSS**

**RACING CLASSES SERVED**
- Sprint Car
- Rally Car
- Midget
- Buggy
- Tractor Pull
- Kart
- Pro-Crate

**INDUSTRIES SERVED**
- Automotive
- Aircraft
- Military
- Machine Tools
- Racing
- Industrial
- Agriculture
- Recreation

**Contrasting Plymouth ProMoly® Against the AMS Standard**

- **Better Performance**

Plymouth ProMoly® has a superior track record of race-proven fatigue strength when compared to HSS.

When specifying Plymouth ProMoly®, you will not have to be concerned with weld zone orientation of competing welded products.

**Plymouth ProMoly® 4130 Seamless Cold Drawn Tubing** is a steel grade containing the alloy elements of chromium and molybdenum to help achieve desirable strength levels to meet your needs. The consistency of the OD and wall makes set-up easier and minimizes set-up variation. The proprietary controls of the annealing process offer welders the benefit of a smooth finish with minimal decarburization and oxidation, reducing weld area preparation time.

Available on request:
- Symmetrical and non-symmetrical shapes including round, square, hex, triangle, oval and streamline
- Intermediate sizes and lengths
- Material produced to other specifications
- Special mechanical properties

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**Load Life Data Curves, Plymouth ProMoly® vs HSS**

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**Weldability**
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