AEROSPACE PLATE

- Lower Residual Stress
- Exceptional Flatness
- Lot-to-Lot Consistency
- Superior Machining Performance
- Extremely Tight Tolerances
- Through Thickness Grain Consistency

**ENHANCED CHARACTERISTICS**

- KaiserSelect® allows complex machining with high metal removal rates and less part repositioning.
- Minimal movement during the machining process requires a low level of residual stress in the original plate.
- Repeatable reduced movement, combined with improved flatness, allows you to purchase thinner plate with subsequent cost savings and reduced machining operations.

<table>
<thead>
<tr>
<th>Alloy</th>
<th>Tempers</th>
<th>Min. Gauge</th>
<th>Max. Gauge</th>
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</thead>
<tbody>
<tr>
<td>7050</td>
<td>T7451, T7651</td>
<td>1.00” / 25mm</td>
<td>8.00” / 203mm</td>
</tr>
<tr>
<td>7075</td>
<td>T7351</td>
<td>1.00” / 25mm</td>
<td>6.00” / 153mm</td>
</tr>
<tr>
<td>7475</td>
<td>T7351</td>
<td>1.00” / 25mm</td>
<td>4.00” / 100mm</td>
</tr>
<tr>
<td>7175</td>
<td>T7351</td>
<td>1.00” / 25mm</td>
<td>4.00” / 100mm</td>
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kaiseraluminum.com
800-873-2011 • 731-423-2811
The performance of *Kaiser Select* aerospace plate has been evaluated through stringent internal testing and benchmarking as well as structured customer trials and feedback.

**IMPROVED FLATNESS CONSISTENCY OF Kaiser Select**
Up to three times flatter than Industry Standard

**INDUSTRY TOLERANCE**

<table>
<thead>
<tr>
<th>FLATNESS</th>
<th>Kaiser Select UPPER CONTROL LIMIT</th>
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<tbody>
<tr>
<td>Kaiser Select LOWER CONTROL LIMIT</td>
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</tbody>
</table>

**INDUSTRY TOLERANCE**

- Exceptional flatness
- Less overall tooling and fixtures required
- Less waste
- Less purchased materials
- Predictable set-up

**THIRD-PARTY RESIDUAL STRESS TEST ON Kaiser Select**

100% of the *Kaiser Select* plate supplied was below the customer distortion limit. Customers experienced no rework with complex and challenging parts.

**Lower residual stress provides:**
- Improved ability to machine complex parts
- Reduction/elimination of rework
- Consistent mechanical property performance
- Uniform grain structure
- Faster overall machining time