2. Isolate

Vibration Isolation Add-on for Jackhammers
Problem

16-50 Hz

Red colour indicate area under impact of vibration.
Product

- Easily *adaptable*
- *Mitigate vibrations* not addressed by existing solutions
1. Can we **effectively** passively mitigate vibrations?

2. Can we mitigate them enough for the user to **experience** a difference?
## Existing Solutions

<table>
<thead>
<tr>
<th></th>
<th>Taking a Break</th>
<th>Anti-Vibration Gloves</th>
<th>Isolate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effectiveness</td>
<td>+</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>Adaptability</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Work impact</td>
<td>-</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>
$1.4 Billion

Power Tools in the U.S.
Professional Construction Markets
Next Steps

Further research into user needs

Further test form and function

Further explore jackhammer dynamics

Design for adaptability and form