Establish the part number of each component in sequence from 1 to 4 as indicated below.

1. **VeriFast LVDT Clamp Mount Weld Body**
   (page 2)

2. **Tapped Nut Weld Pin**
   (page 3)

3. **Weld Head**
   (page 4)

4. **LVDT Signal Conditioner**
   (page 5)
### VeriFast LVDT Clamp Mount Weld Body

**Part Numbering System**

<table>
<thead>
<tr>
<th>Series</th>
<th>Pin Stroke Length**</th>
<th>Adapter Length**</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>22 mm (for both 22 mm and 50 mm pin strokes)</td>
<td>100 mm (for Series 2)</td>
</tr>
<tr>
<td>3</td>
<td>22 mm (for both 22 mm and 50 mm pin strokes)</td>
<td>140 mm (for both 22 mm and 50 mm pin strokes)</td>
</tr>
<tr>
<td>4</td>
<td>50 mm (for Series 4)</td>
<td>140 mm (for Series 4)</td>
</tr>
</tbody>
</table>

**Note:** Heads and pins must be ordered separately. Pins must be tapped pins (see VeriFast LVDT Nut Weld Pin on page 3).

**Adapter Length**
- Correlate with "Pin Stroke Length** field below.
- For visual representation, see drawings at top of page.
- 100 mm (Works with 22 mm pin stroke only (not 50 mm)).
- 140 mm (Works with both 22 mm and 50 mm pin strokes).

**Pin Stroke Length**
- Correlate with "Adapter Length** field above.
- For visual representation, see drawings at top of page.
- 22 mm (Works with both 100 mm and 140 mm adapters).
- 50 mm (Works with 140 mm adapter only (not 100 mm)).

---

* Series 3 is preferred for all applications, unless clearance or welding issues exist. The Series number must be consistent between all components (Body, Pin, and Head).

** Pin Stroke Length and Adapter Length must be correlated. See drawings at the top of the page.

**Note:** The Air Port Thread is 1/8" NPT.
# Tapped Nut Weld Pin
For use with Clamp Mount Weld Bodies (see page 2)

<table>
<thead>
<tr>
<th>Tapped Nut Weld Pin Material</th>
<th>Tapped Nut Weld Pin Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stainless = GS</td>
<td>Coated = CS</td>
</tr>
<tr>
<td>DuraPin™ = JS</td>
<td></td>
</tr>
</tbody>
</table>

*Series
Series 2 = 2
(Preferred) Series 3* = 3
Series 4 = 4

Nose Type
A
D
H
N
W
Z

Cannot be used for Piloted Nut
Not Recommended for Auto Nut Feeding

Hole in Stamping minus 0.005
(3 decimals, measured in inches)
Example: If Hole in Stamping is 0.353":
0.353" - 0.005" = 0.348"
The number in this field will be: 348

Hole in Nut minus 0.005
(3 decimals, measured in inches)
Example: If Hole in Nut is 0.275":
0.275" - 0.005" = 0.270"
The number in this field will be: 270

**Tapped Hole**
E = M4 x 0.7

**IMPORTANT:** Dimensions are finish after coating. For DuraPin™ coating reduce all outside dimensions by 0.002 to allow for coating thickness.

**Nut Thickness** (2 decimals, measured in inches)
Measured when Nut Feeding is done **Manually**

**Nut Radius** (2 decimals, measured in inches)
Measured when Nut Feeding is done **Automatically**

**Stamping Thickness** (2 decimals, measured in inches)
If Stamping Thickness is:
- less than 0.25", the number in this field will be 25.
- greater than 0.25", contact CenterLine.

* Series 3 is preferred for all applications, unless clearance or welding issues exist. The Series number must be consistent between all components (Body, Pin, and Head).

** Only Tapped Nut Weld Pins can be used with Clamp Mount Weld Bodies.**
**Weld Head Prefix**

- **Series** (must be consistent with Hole in Head Diameter and Weld Face Diameter on the right)
  - Series 2 = 2
  - (Preferred) Series 3* = 3
  - Series 4 = 4

- **Head Height**
  - Series 2 and 3* = 050
  - Series 4 = 062

- **Material**
  - RWMA Class 3 = C
  - RWMA Class 11 = T

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**Weld Face Diameter**

- **Series 2**: 0.87" (22.2 mm)
- **Series 3**: 1.25" (31.7 mm)
- **Series 4**: 1.50" (38.1 mm)

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**Hole in Head Diameter**

- Max. 0.427" (10.85 mm) - for Series 2
- Max. 0.642" (16.31 mm) - for Series 3* (preferred)
- Max. 0.852" (21.64 mm) - for Series 4

**Important**: The Hole in Head Diameter must be 0.006" larger than the Pin Diameter.

**Example**: If Pin Diameter = 0.348", the Hole in Head Diameter will become: 0.348" + 0.006" = 0.354".

The value in this field will be 354. (Ensure that preferred Series 3 applies, since 0.354" < 0.642").

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**Weld Face Diameter**

- 087 = 0.87" Weld Face (for Series 2)
- 125 = 1.25" Weld Face (for Series 3* (Preferred))
- 150 = 1.50" Weld Face (for Series 4)

**Important**: The Diameter of the Nut Projections must be at least 0.160" (4 mm) smaller than the Weld Face Diameter (or 0.080" (2 mm) radius difference).

If it is not, the next larger weld head series should be used for the application.

**Contact CenterLine for information.**
If you require more information about the VeriFast LVDT system, please contact CenterLine.