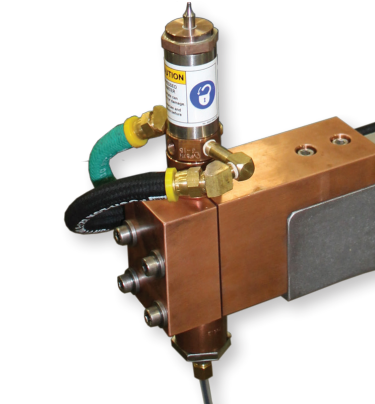


## Clamp Mount Style



Establish the part number of each component in sequence from 1 to 3 as indicated below.

**3**



**Weld Head**  
(page 3)

**2**



**Tapped Custom  
Nut Weld Pin**  
(Contact CenterLine for design)

**OR**



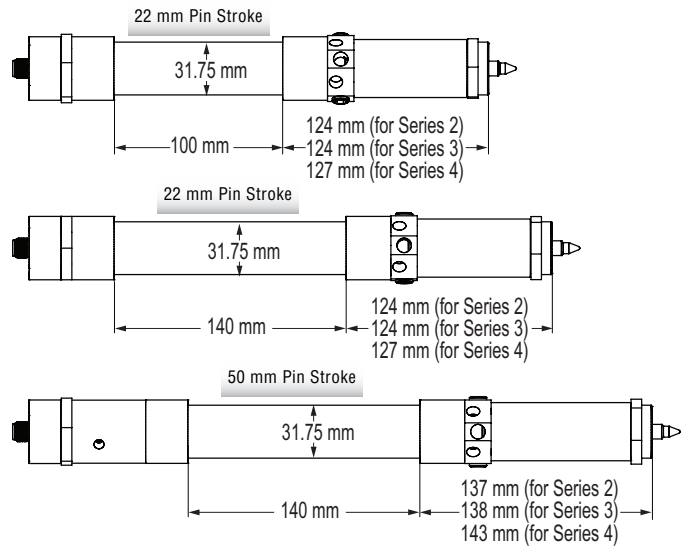
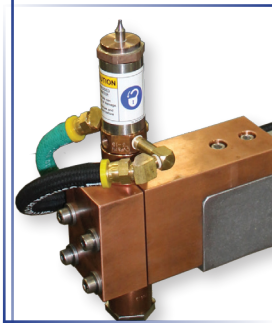
**Tapped Custom  
Stud Weld Pin**  
(Contact CenterLine for design)

**1**



**VeriFast™ IA  
Clamp Mount Weld Body**  
(page 2)

# VeriFast™ IA Clamp Mount Weld Body



VeriFast™  
 Pin Sensing System  
 Mounting Style  
 Series\*  
 Pin Stroke Length\*\*  
 Adapter Length\*\*

**VF IA CLMP 3 22 140 \*\*\*\***

VeriFast™  
 IA  
 Clamp Mount  
 \*Series  
 Series 2 = 2  
 Series 3\* = 3  
 Series 4 = 4

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

\*\*\* Weld pins used with VeriFast™ IA Clamp Mount weld bodies must be Tapped Custom Nut or Stud Weld Pins, see first page of this booklet. Contact CenterLine for design.

\*\*\*\* Example of VeriFast™ IA Clamp Mount weld body part number: **VF-IA-CLMP-3-22-140**

Note: The Air Port Thread is 1/8" NPT.

# Weld Head

## Part Numbering System



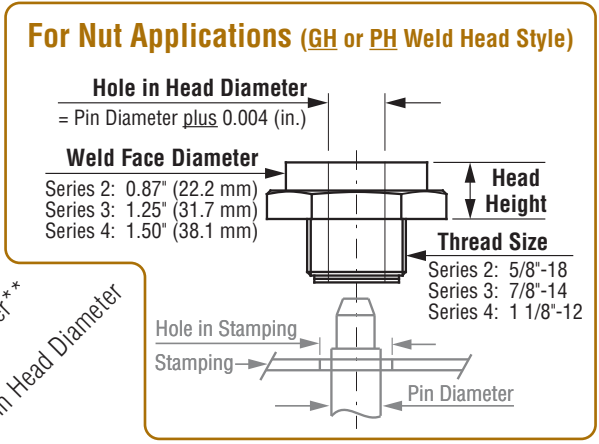
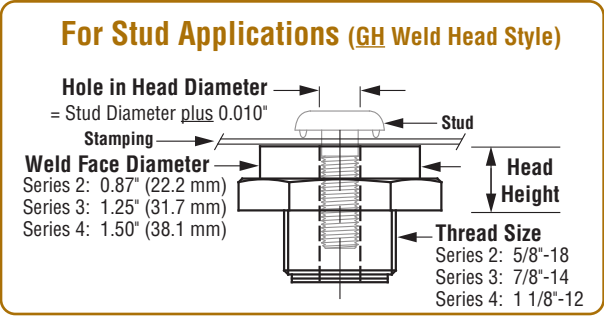
### GH Style

- For **nut** or **stud** welding



### PH Style

- For **nut** welding; not recommended for stud welding
- Lower Cost
- Quick delivery



**Weld Head Prefix**  
For **nut** or **stud** applications = GH  
For **nut** applications only = PH  
(not recommended for stud applications)

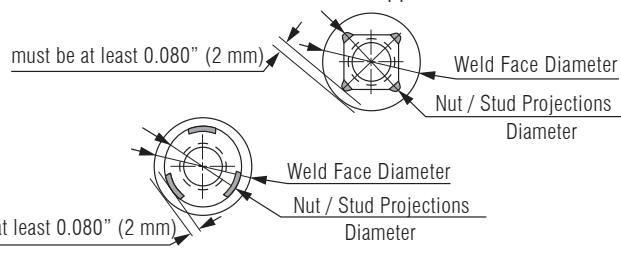
**Series (must be consistent with 'Weld Face Diameter' below and 'Hole in Head Diameter' on the right)**  
Series 2 = 2  
Series 3\* = 3  
Series 4 = 4

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

**Material**  
RWMA Class 3 Copper = C  
RWMA Class 11 Tungsten = T

**Weld Face Diameter\*\***  
0.87" Weld Face (for Series 2) = 087  
1.25" Weld Face (for Series 3)\* = 125  
1.50" Weld Face (for series 4) = 150

**Important:** The Weld Face Diameter must be at least 0.160" (4mm) larger than the Nut / Stud Projections Diameter (or 0.080" (2mm) radius difference). If it is not, the next larger weld head series should be used for the application.

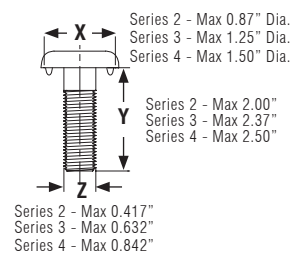


**Hole in Head Diameter**

| Series    | Hole in Head Diameter  |                        |
|-----------|------------------------|------------------------|
|           | For GH Heads           | For PH Heads           |
| Series 2: | Max. 0.427" (10.85 mm) | Max. 0.377" (9.57 mm)  |
| Series 3: | Max. 0.642" (16.31 mm) | Max. 0.638" (16.20 mm) |
| Series 4: | Max. 0.852" (21.64 mm) | Max. 0.825" (20.95 mm) |

• **Important for Nut applications only (using GH or PH heads):**  
We recommend the Hole in Head Diameter be 0.004" larger than the Pin Diameter.  
**Example:** If Pin Diameter = 0.348", the Hole in Head Diameter will become: 0.348" + 0.004" = 0.352". The value in this field will be 352. (Ensure that this value does not exceed the value for the desired Series and Weld Head Style in the table above).

• **Important for Stud applications only (using GH head only):**  
We recommend the Hole in Head Diameter be 0.010" larger than the Stud Diameter (Z).  
**Example:** If Stud Diameter Z = 0.430", the Hole in Head Diameter will become: 0.430" + 0.010" = 0.440". The value in this field will be 440. (Ensure that this value does not exceed the value for the desired Series and Weld Head Style in the table above).



**Note:** X, Y and Z dimensions of the Stud must coordinate with the chosen Weld Head Series.

\* 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).

\*\* Special sizes are available for larger dimension requirements or areas with clearance restrictions. Contact CenterLine for information.