Tapered (SXCR) and Threaded (SXFR, SXGR) Mount Styles

Tapered
(SXCR)

Threaded
(SXFR, SXGR)

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

3

Weld Head
(page 5)

2

VeriFast™ IA Nut Weld Pin (DB Style Pin)
(page 3)

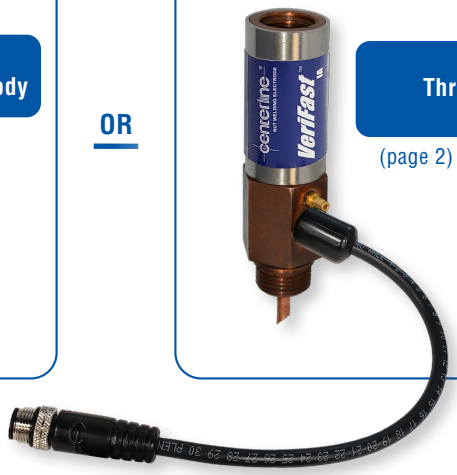
OR

VeriFast™ IA Stud Weld Pin (DB Style Pin)
(page 4)

1

VeriFast™ IA Tapered (SXCR) Mount Weld Body
(page 2)

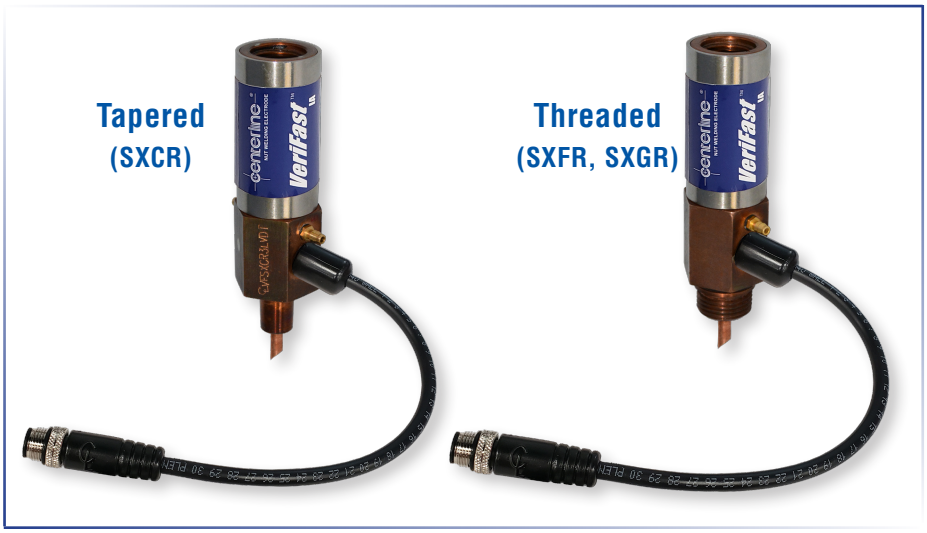
OR



VeriFast™ IA Threaded (SXFR, SXGR) Mount Weld Body
(page 2)

VeriFast™ IA
Tapered or Threaded Mount Weld Body

Part Numbering System



VeriFast™	Pin Sensing System	Body Style	Series*	Cable Exit Position**	Port Thread	
VF	IA	SXCR	3	XX	S	***

VeriFast™

IA

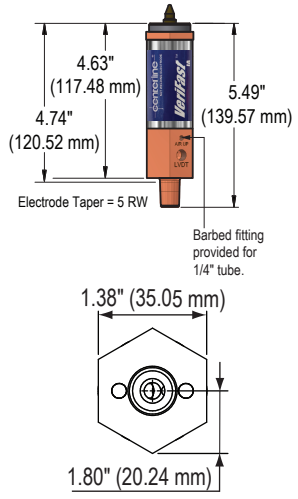
Body Style
Tapered = SXCR
(7/8"-14) Threaded = SXFR
(1"-12) Threaded = SXGR

Series*
3 = Series 3* (Only)

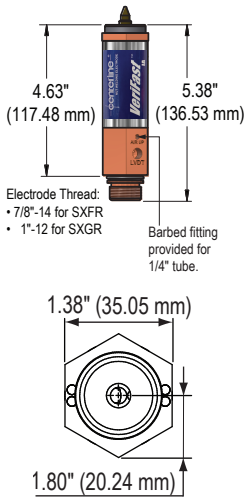
Cable Exit Position**
XX = No option

Port Thread
S = No option (Barbed fittings provided)

SXCR
(Series 3 Only)



SXFR, SXGR
(Series 3 Only)



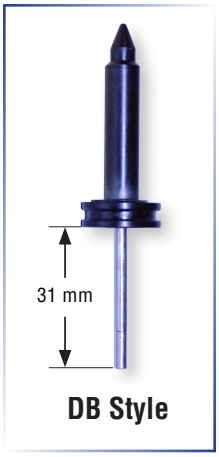
* Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies are Series 3 only and must be consistent with Series 3 of Pin and Head.

** To connect to the PLC, the VeriFast™ IA requires a micro (12 mm), 4-pin, shielded, female tool cord, max. 50 ft. (15 m) long.

*** Example of VeriFast™ IA Tapered weld body part number: **VF-IA-SXCR3-XX-S**

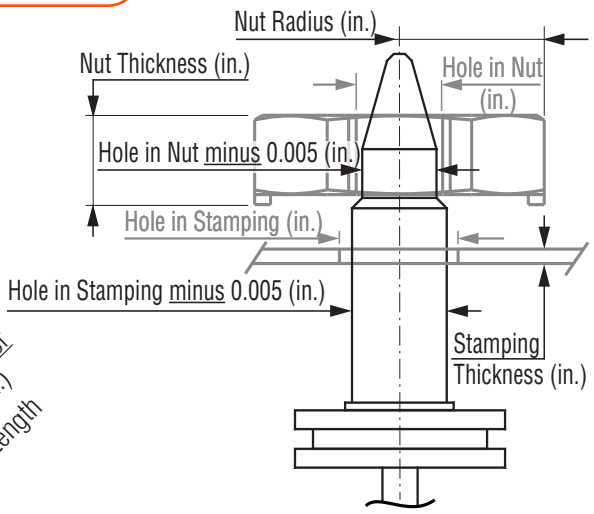
VeriFast™ IA
DB Style Nut Weld Pin

For use with VeriFast™ IA **Tapered (SXCR)** or **Threaded (SXFR, SXGR)** Weld Bodies (see page 2)



DB Style

Part Numbering System



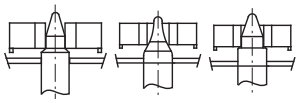
Pin Finish / Material	Pin Sensing System	Series*	Nose Type	Hole in Stamping minus 0.005 (in.)	Hole in Nut minus 0.005 (in.)	Stamping Thickness (in.)	Nut Thickness (in.) or Nut Radius (in.)	Core Length
S	B	3	N	348	270	25	25	DB

Pin Finish / Material
Stainless = R
Coated = K
DuraPin™ = S

Pin Sensing System
VeriFast™ IA = B

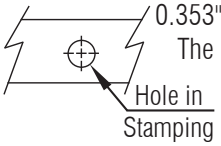
*Series
(Only) Series 3 = 3

Nose Type



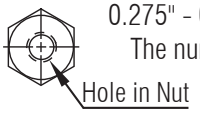
Hole in Stamping minus 0.005
(3 decimals, measured in inches)

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

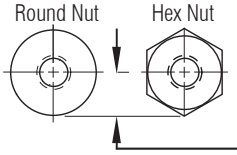


Core Length
DB = 31 mm. Works with VeriFast™ IA Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies (See page2).

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

Example : If Nut Thickness is 0.25", the number in this field will be 25.

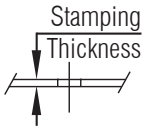
Nut Radius (2 decimals, measured in inches)
Measured when Nut Feeding is done **Automatically**



Nut Radius (Measured from the center to the outermost edge of the nut)

Example : If Nut Radius is 0.47", the number in this field will be 47.

Stamping Thickness (2 decimals, measured in inches)

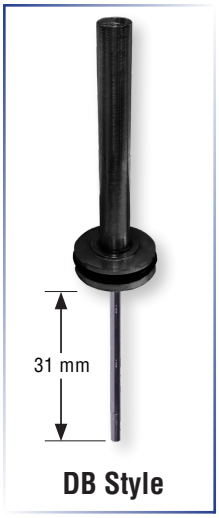


If Stamping Thickness is:
- less than 0.25", the number in this field will be 25.
- greater than 0.25", contact CenterLine.

* Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies are Series 3 only. The Series number must be consistent between all components (Body, Pin, and Head).

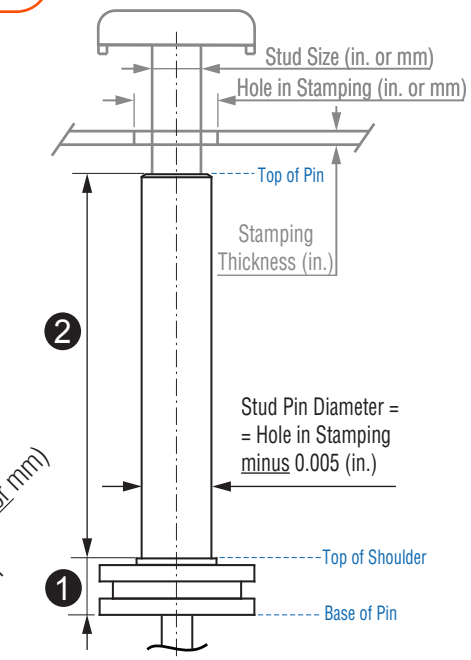
VeriFast™ IA
DB Style Stud Weld Pin

For use with VeriFast™ IA **Tapered (SXCR)** or **Threaded (SXFR, SXGR)** Weld Bodies (see page 2)



DB Style

Part Numbering System



Pin Finish / Material	Pin Sensing System	Stud Feeding Mode	Series*	Stud Diameter (in. or mm)	Length from Top of Shoulder to Top of Pin (in. or mm)	Length from Base of Pin to Top of Shoulder (in. or mm)	Core Length
S	B	P	3	M08	047	07	DB

Pin Finish / Material
Stainless = R
Coated = K
DuraPin™ = S

Pin Sensing System
VeriFast™ IA = B

Stud Feeding Mode
Auto Load = A
Manual Load = P


Automatic Feed


Manual Feed

*Series
(Only) Series 3 = 3

Stud Diameter
Measured in inches, 3 decimals. Becomes 3 digits.
Example: If Stud is 0.315", the number in this field will be: 315

or

Measured in millimeters, 0 decimals. Becomes prefix "M" followed by 2 digits.
Example: If diameter of stud is 8 mm, the number in this field will be: M08

Core Length
DB = 31 mm. Works with VeriFast™ IA Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies (See page 2).

Length from Base of Pin to Top of Shoulder
(See 1 in drawing above)
Measured in inches, 2 decimals. Becomes 2 digits.
Example: If length is 0.27", the number in this field will be: 27

or

Measured in millimeters, 0 decimals. Becomes 2 digits.
Example: If length is 7 mm, the number in this field will be: 07

Length from Top of Shoulder to Top of Pin
(See 2 in drawing above)
Measured in inches, 2 decimals. Becomes 3 digits.
Example: If length is 1.85", the number in this field will be: 185

or

Measured in millimeters, 0 decimals. Becomes 3 digits.
Example: If length is 47 mm, the number in this field will be: 047

* Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies are Series 3 only. The Series number must be consistent between all components (Body, Pin, and Head).

Weld Head

Part Numbering System

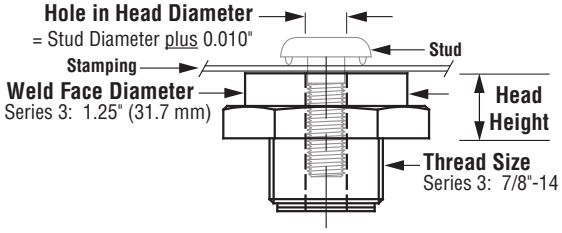
GH Style

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

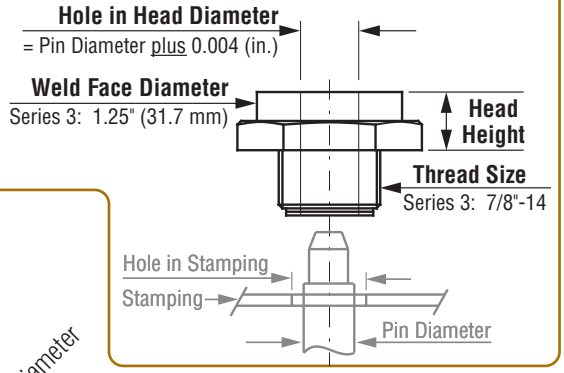
PH Style

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

For Stud Applications (GH Weld Head Style)



For Nut Applications (GH or PH Weld Head Style)



Weld Head Prefix	Series*	Head Height**	Material	Weld Face Diameter**	Hole in Head Diameter
GH	3	050	T	125	352

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 3* = 3

Head Height**

(Only) Series 3 = 050

Material

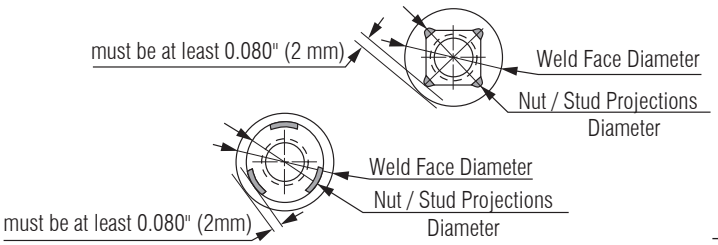
RWMA Class 3 Copper = C

RWMA Class 11 Tungsten = T

Weld Face Diameter**

1.25" Weld Face (for Series 3)* = 125

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



Hole in Head Diameter

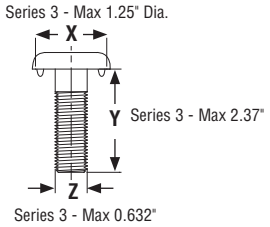
Series	Hole in Head Diameter	
	For GH Heads	For PH Heads
Series 3:	Max. 0.642" (16.31 mm)	Max. 0.638" (16.20 mm)

- 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 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 GH Weld Head Style in the table above).



Note: X, Y, and Z dimensions of the Stud must coordinate.

* Tapered (SXCR) and Threaded (SXFR, SXGR) Weld Bodies are Series 3 only. The Series number must be consistent between all components (Body, Pin, and Head).