

## NELSON STUD WELDING

### SPECIFICATION: B5L 90° Bent Collar Studs

B5L bent collar studs are used in shipbuilding to mount electrical cable supports to angle or bar downcomers from the ceiling or overhead of ships. They are normally used to attach a cross bar between a pair of downcomers.

Nelson bent collar studs are used in industrial applications to retain cables or hoses using clips. The thread extension speeds assembly over installing a bolt into an internal threaded boss or tapped stud.

A special chuck and foot plate are needed to hold the bent stud and ferrule during the stud welding process.

For similar function studs, see Nelson [CKL Collar studs](#) and [CPL Partially Threaded studs](#).

When ordering, specify Type, Base Diameter, Base Length, Thread Size, Extension Length, Material, Quantity, and Part Number

*Example: B5L 0.330 x 1-5/8"; 3/8-16 x 1-3/8"; Mild Steel; 5,000 pieces; #101006009*

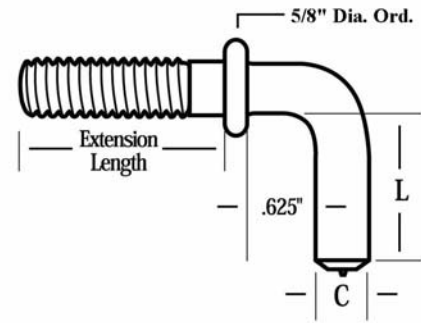
Base C	Minimum Base Length L	Thread Size	Thread Length	Minimum Extension Length	Required Standard Accessories		
					Ferrule	Ferrule Foot Plate	Chuck
0.330	0.625	3/8-16	9/16 – 5/8	0.750	100101083	501006007	500009010

**MATERIALS:** Studs are available in Low Carbon Mild Steel and 18-8 Stainless Steel. For specific grade information, physical and chemical properties, conforming standards, and information on stud plating and heat treating, please see [General Material Specifications](#).

**THREADS:** Standard external threads are UNC-2A.

**FLUX:** All Nelson B5L studs have a solid flux load.

### B5L



Visit our website [www.NelsonStudWelding.com](http://www.NelsonStudWelding.com) for a list of our standard stock products.