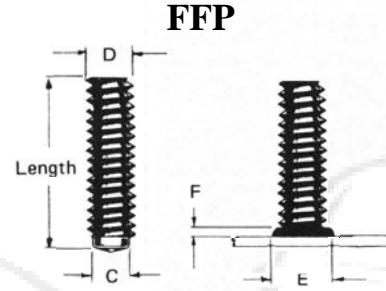


## NELSON STUD WELDING

### SPECIFICATION: CFP, CPP, FFP, FPP Small Diameter Threaded Studs

These Nelson threaded stud welding studs, which are less than 1/4" in diameter are supplied with ceramic ferrules, but without the flux loads used in larger diameter studs.

The first letter in the stud type designates the thread series: "C" for coarse threaded studs, "F" for fine threaded studs. The second letter describes the length of the thread or the weld base diameter: "P" for a pitch diameter weld, and "F" for a fully threaded stud. After welding a fully threaded stud, the threads will start at the top of the weld flash. The last letter, "P" indicates that the stud has a pointed weld end as opposed to the flux-loaded weld ends used on larger diameter studs. Flux loaded studs are designated by the letter "L".



For similar function studs, see Nelson [CFL Full Threaded studs](#), [CJL Reduced Base studs](#), [CPL Partially Threaded studs](#), [HBA Aluminum Full Base Diameter Threaded studs](#), and [HBL Full Base Diameter Threaded studs](#).

When ordering, specify **Type, Description, Thread Size, Length, Material, Quantity, and Part Number**

*Example: CFP #10-24 x 1-1/4"; Mild Steel; 10,000 pieces; #101010492*

Thread Size	Major Diameter	Burn Off	Minimum Length L	E	F	Weld Flash Clearance	Ferrule	Required Standard Accessories		
								Chuck	Ferrule Grip	Foot Assembly
#6-32	0.132	0.062	0.625	0.218	0.093	0.265	100101001	500001002	501001002	502001137
#8-32	0.164	0.062	0.625	0.234	0.093	0.281	100101002	500001006	501001003	502001137
#10-24	0.187	0.062	0.625	0.281	0.093	0.328	100101003	500001005	501001004	502001137
#10-32	0.187	0.062	0.625	0.281	0.093	0.328	100101003	500001005	501001004	502001137

**MATERIALS:** Studs are available in Low Carbon Mild Steel and 18-8 Stainless Steel. For specific grade information and 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, or UNF-2A for #10-32.

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