

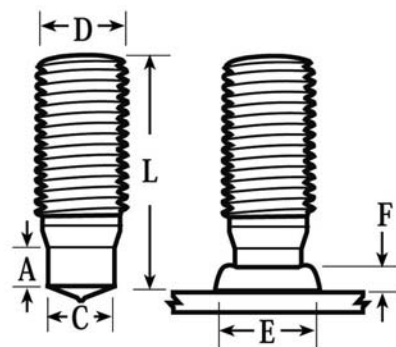
NELSON STUD WELDING

SPECIFICATION: CJL Reduced Base Studs

CJL threaded studs have a reduced weld base diameter, A, to produce a smaller weld flash diameter than when Nelson CPL studs weld base are used. The smaller weld flash allows the use of smaller clearance holes. The strength of the assembly is determined by the area of the reduced weld base rather than the thread area.

For similar function studs, see Nelson **CFL Fully Threaded studs**, **CFP Small Diameter Threaded studs**, **CPL Partially Threaded studs**, **HBA Full Base Diameter Aluminum studs**, and **HBL Full Base Diameter studs**.

CJL



When ordering, specify **Type, Diameter, Before Weld Length, Material, Quantity, and Part Number**

Example: CJL 1/2-13 x 2-1/4"; Stainless Steel; 10,000 pieces; #101014087

Thread Size	Minimum Length L	Weld Base Diameter C	Weld Base Length A	Weld Flash Dimensions			Burn-off	Required Standard Accessories			
				Diameter E	Height F	Clearance Diameter		Ferrule	Ferrule Grip	Chuck	Foot
1/4-20	0.827	0.187	0.187	0.281	0.093	0.328	0.093	100101016	501001005	500001007	502001137
5/16-18	0.827	0.218	0.203	0.343	0.093	0.390	0.093	100101017	501001006	500001009	502001137
3/8-16	0.827	0.275	0.218	0.437	0.109	0.469	0.125	100101018	501001007	500001011	502001137
7/16-14	0.922	0.343	0.250	0.531	0.125	0.546	0.125	100101019	501001008	500001012	502001137
1/2-13	0.922	0.390	0.281	0.548	0.140	0.609	0.125	100101020	501001009	500001014	501001137
5/8-11	0.968	0.500	0.312	0.656	0.156	0.718	0.156	100101021	501001011	500001016	501001138
3/4-10	1.172	0.625	0.343	0.813	0.187	0.875	0.187	100101022	501001014	500001018	501001002
7/8-9	1.406	0.750	0.390	0.937	0.250	1.000	0.187	100101023	501001015	500001019	501001002

MATERIALS: Studs are available in Low Carbon Mild Steel and Stainless Steel. Other materials are available by special order. 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 threads are UNC-2A Course thread prior to any plating, 3" maximum length. Other threads, and thread lengths greater than 3" are available as special order.

FLUX: All Nelson CJL studs have a solid flux load.

Visit our website www.NelsonStudWelding.com for a list of our standard stock products.