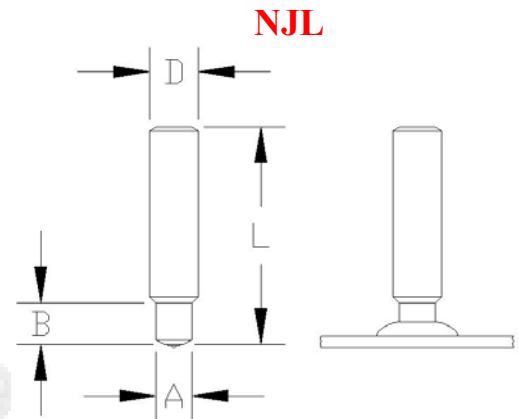


## NELSON STUD WELDING

### SPECIFICATION: NJL Reduced Base Unthreaded Studs

NJL unthreaded studs have a reduced weld base diameter, A, to produce a smaller weld flash diameter than when the full base Nelson NBL no thread studs 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 [NBA Unthreaded Aluminum studs](#) and [NBL Unthreaded studs](#)



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

*Example: NJL 0.250 x 1"; Mild Steel; 10,000 pieces*

Diameter D	Minimum Length L	Weld Base Diameter A	B	Weld Flash Dimensions			Burn-off	Ferrule	Required Standard Accessories		
				Diameter	Height	Clearance Diameter			Ferrule Grip	Chuck	Foot
.250	0.827	0.187	0.187	0.281	0.093	0.328	0.093	100101016	501001005	500001007	502001137
.312	0.827	0.218	0.203	0.343	0.093	0.390	0.093	100101017	501001006	500001009	502001137
.375	0.827	0.275	0.218	0.437	0.109	0.469	0.125	100101018	501001007	500001011	502001137
.437	0.922	0.343	0.250	0.531	0.125	0.594	0.125	100101019	501001008	500001012	502001137
.500	0.922	0.390	0.281	0.548	0.140	0.609	0.125	100101020	501001009	500001014	501001137
.625	0.968	0.500	0.312	0.656	0.156	0.718	0.156	100101021	501001011	500001016	501001138
.750	1.172	0.625	0.343	0.813	0.187	0.875	0.187	100101022	501001014	500001018	501001002
.875	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 18-8 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](#).

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

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