

NELSON STUD WELDING

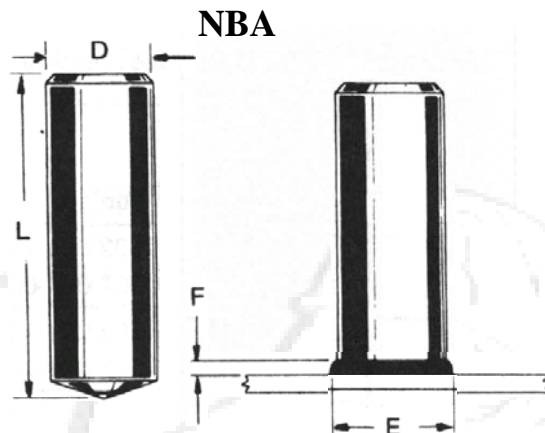
SPECIFICATION: NBA Unthreaded Aluminum Studs

Nelson NBA unthreaded aluminum studs are available in diameters of 3/16" through 1/2". They are used as mounting, pivot, and stop pins on aluminum structures. They are welded using ceramic ferrules in conjunction with argon as a shielding gas.

The shielding gas is introduced to the weld area through a gas foot assembly, #751020000, which is used for all diameters of NBA studs. Gas hose #515001001 and gas regulator #514001001 are needed to deliver and control the gas flow from a pressurized cylinder.

An aluminum Tranquil-Arc® plunge dampener kit is also needed as an accessory on the gun to control the rate of the stud's return in to the molten weld metal at the end of the weld cycle.

For similar function, please refer to Nelson **HBA Threaded Aluminum studs** and **TBA Internally Threaded studs**.



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

Example: NBA 1/2 x 3"; Mild Steel; 10,000 pieces; #101074014

Stud Diameter D	Minimum Stud Length L	Burn Off	Weld Flash Size		Flash Clearance	Required Standard Accessories	
			E	F		Ferrule	Chuck
3/16	0.812	0.093	0.330	0.125	0.390	100101046	500001005
1/4	0.937	0.093	0.406	0.125	0.469	100101047	500001007
5/16	0.937	0.093	0.468	0.156	0.531	100101048	500001009
3/8	0.937	0.093	0.603	0.187	0.656	100101049	500001011
7/16	0.937	0.093	0.656	0.218	0.750	100101050	500001012
1/2	0.937	0.125	0.750	0.250	0.843	100101051	500001014

MATERIALS: NBA Studs are only available in Aluminum. For specific grade information and physical and chemical properties, as well as information on heat treating, please see **General Material Specifications**.

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