

## NELSON STUD WELDING

### SPECIFICATION: R2P Rectangular Notched Stud

Nelson R2P studs are used in a variety of ways to secure one and two component refractory linings. The refractory may be low density blanket or block, or medium to high density cast, gunned, or troweled insulation.

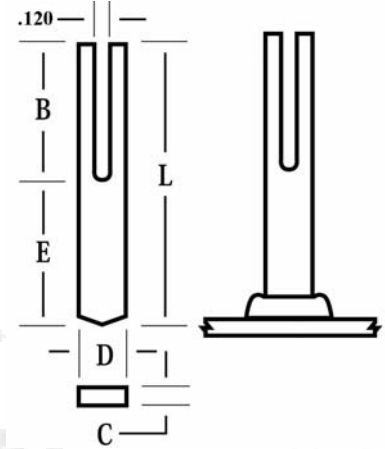
When used with a single component cast, gunned, or troweled lining, the R2P is welded, the tines spread, and the refractory placed.

With two component linings, the R2P is welded, the back-up layer placed, the tines bent, and the working lining placed over the bent tines. We suggest that the tines be spread to a maximum central angle of 70°. Spreading the tines may be easily done with a piece of small diameter pipe or a set of pliers.

The Nelson R2P is also used to secure block insulation alone. In this case, the stud is welded in place, the insulation impaled over the stud, and the tines bent flush with the insulation. The 1/8 x 3/8 R2P is most frequently used for this service, with the length chosen so that the tines protrude at least 1-1/2" beyond the impaled insulation before bending.

For similar function studs, see [Nelson CKL Collar studs](#), [R5P Strand Support studs](#), [R6P Rectangular Slotted studs](#), [R7P Rectangular Stud with Hole](#), [RWP Wiggle Two Tine studs](#), [RXX Fiberlok™ studs](#), [S4X "Y" Anchors](#), and [S7X Steerhorn Anchors](#).

**R2P**



When ordering, specify Type, Description, Material, Quantity, and Part Number

*Example: R2P 1/8 x 3/8 x 1-1/2"; Mild Steel; 10,000 pieces; #101086113*

Stud Description	Thickness C	Width D	Stud Dimensions				Required Standard Accessories			
			B	E	Minimum Length	Maximum Length	Ferrule	Chuck	Grip	Foot
1/8 x 3/8	0.125	0.375	1.250	0.250	1.500	6.125	100301002	500005003	501001007	502001137
1/8 x 5/8	0.125	0.625	2.000	0.312	2.312	6.125	100301003	500005014	501001012	502001138
1/8 x 5/8	0.125	0.625	0.75 to 4.000	0.312	1.625	4.875	100301003	500005014	501001012	502001138
1/8 x 5/8	0.125	0.625	0.75 to 4.000	0.625	1.625	4.875	100301003	500005014	501001012	502001138
1/8 x 5/8	0.125	0.625	0.75 to 4.000	0.875	1.625	4.875	100301003	500005014	501001012	502001138

**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](#).

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