

NELSON STUD WELDING

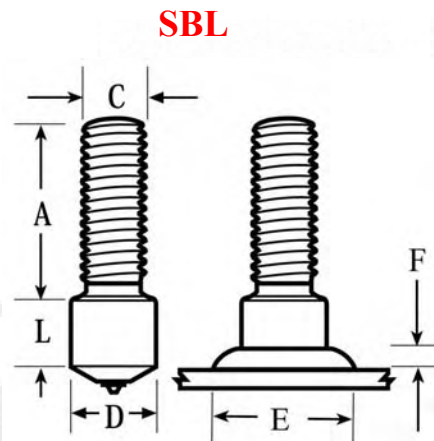
SPECIFICATION: SBL Shoulder Stud

Nelson SBL shoulder studs have a weld base diameter larger than the threaded extension diameter. They are available in weld base diameters 1/4" through 1", with threaded extension sizes up to 7/8-9.

The Nelson SBL studs are used as mountings for panels and hardware where a standoff shoulder is needed. SBL studs are similar to CKL collar studs, but the larger weld base provides improved bend resistance.

Both chuck size and part number are determined by the thread size, C. Please refer to the Nelson CPL stud spec sheet on page Y to find the appropriate chuck size and number.

Similar function studs are **CKL Collar studs** and **TBL internally tapped studs**.



When ordering, specify **Type, Base Diameter, Base Length, Extension Thread Size, Extension Length, Material, Quantity, and Part Number**

Example: SBL 1/2 x 1-1/8; 1/4-20 x 4-1/2"; Mild Steel; 10,000 pieces; #101093282

Major Diameter D	Maximum Thread Diameter C	Minimum Length A	Minimum Length Unplated Studs L	Minimum Length Plated Studs L	Stud Dimensions		Required Standard Accessories		
					E	F	Ferrule	Grip	Foot
0.250	#8-32	0.187	0.312	0.500	0.359	0.109	100101067	501001007	500001007
0.312	#10-24	0.250	0.312	0.500	0.437	0.109	100101007	501001006	500001009
0.375	1/4-20	0.250	0.312	0.500	0.500	0.125	100101099	501001009	500001011
0.437	5/16-18	0.312	0.343	0.562	0.593	0.140	100101009	501001008	500001012
0.500	3/8-16	0.375	0.375	0.562	0.687	0.156	100101114	501001011	500001014
0.625	1/2-13	0.500	0.500	0.625	0.875	0.187	100101187	501001014	500001102
0.750	5/8-11	0.562	0.625	0.750	1.062	0.250	100101125	501001014	500001018
0.875	3/4-10	0.625	0.625	0.750	1.125	0.312	100101140	501001015	500001019
1.000	7/8-9	0.750	0.687	0.750	1.375	0.375	100101045	501001016	500001085

MATERIALS: Studs are available in Low Carbon Mild Steel and 18-8 Stainless Steel. Material selection is dependent on anticipated service temperature range. 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.

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

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