

## NELSON STUD WELDING

### SPECIFICATION: CFL Fully Threaded Studs

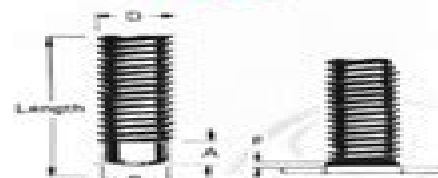
Nelson CFL studs are recommended for fastening applications where threads are needed for the full fastener length. CFL studs are available in thread diameters of 1/4"-20 through 1"-8.

Nelson fully threaded studs have a short length of pitch diameter weld base. Most of this length is melted off during the stud welding process so that usable thread extends down to the top of the weld flash on installed studs.

For similar function studs, see CFP Small Diameter Threaded studs, CFL Reduced Base studs, CPL Partially Threaded studs, HBA Aluminum Full Base Diameter Threaded studs, HBL Full Base Diameter Threaded studs, Banding Cable Hangers, CrimpLok™ Cable Hangers, and Watertight nuts.

✓ Check Standard Stock

### CFL



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

Example: CFL 3/8-16 x 2-1/4"; Mild Steel; 10,000 pieces; #101017193

Thread Size	Minimum Stud Length	Burn Off	Weld Base Diameter C	Weld Base Length A	Weld Flash Size		Flash Clearance	Required Standard Accessories			
					E	F		Ferrule	Grip	Chuck	Foot
1/4-20	0.780	0.125	0.215	0.142	0.359	0.109	0.437	100101067	501001007	500001007	502001137
5/16-18	0.780	0.125	0.275	0.142	0.437	0.109	0.500	100101024	501001006	500001009	502001137
3/8-16	0.812	0.125	0.330	0.190	0.500	0.125	0.562	100101025	501001007	500001011	502001137
7/16-14	0.812	0.125	0.389	0.205	0.562	0.125	0.625	100101026	501001008	500001012	502001137
1/2-13	0.875	0.125	0.448	0.221	0.625	0.156	0.680	100101027	501001009	500001014	502001137
9/16-12	1.062	0.187	0.503	0.221	0.750	0.156	0.813	100101011	501001011	500001015	502001138
5/8-11	1.000	0.187	0.562	0.284	0.781	0.187	0.843	100101028	501001011	500001016	502001138
3/4-10	1.250	0.187	0.680	0.346	0.937	0.250	1.031	100101029	501001014	500001018	502001002
7/8-9	1.500	0.187	0.798	0.377	1.125	0.312	1.250	100101140	501001015	500001019	502001003
1-8	1.500	0.250	0.913	0.500	1.375	0.375	1.437	100101045	501001016	500001085	502001003

Stud lengths shorter than those shown above can be supplied in sizes 1/4"-20 through 1/2"-13 by using special low profile ceramic ferrules. All low profile ferrules, except the 1/4"-20 ferrule, were designed for use with full diameter weld base studs. For this reason, the weld flash size and flash clearance are increased. The minimum length, weld flash clearance, recommended deviance, ferrules, and ferrule grip numbers are shown below.

Thread Size	Minimum Stud Length	Weld Flash Size		Flash Clearance	Required Standard Accessories For Short Studs			
		E	F		Ferrule	Grip	Chuck	Foot
1/4-20	0.640	0.359	0.109	0.437	100101077	501001005	500001007	502001137
5/16-18	0.640	0.437	0.109	0.500	100101030	501001007	500001009	502001137
3/8-16	0.687	0.500	0.125	0.593	100101031	501001008	500001011	502001137
7/16-14	0.687	0.593	0.140	0.656	100101032	501001009	500001012	502001137
1/2-13	0.750	0.687	0.156	0.750	100101033	501001001	500001014	502001138

**MATERIALS:** Studs are available in Low Carbon Mild Steel and Stainless Steel. For specific grade information, physical and chemical properties, conforming standards, and information on stud plating and heat treating, please see [General Material Specifications](#).

**THREADS:** Standard CFL studs are available with up to 3" of thread length in UNC-2A coarse thread. Other thread pitch series, and thread lengths greater than 3" are available as special order.

**FLUX:** All Nelson partially threaded CFL studs have a solid flux load.

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

# Nelson Stud Design Manual 1977

**Bill N. McKnight**



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**Concrete International** ,1989      **Engineering News-record** ,1977-04      **PCI Journal** ,1985      *Handbook of Port and Harbor Engineering* Gregory Tsinker,2014-11-14 This indispensable handbook provides state of the art information and common sense guidelines covering the design construction modernization of port and harbor related marine structures The design procedures and guidelines address the complex problems and illustrate factors that should be considered and included in appropriate design scenarios      Nuclear News ,1977      **Steel-Concrete Composite Structures** R. Narayanan,1988-12-31 This is a collection of ten extensive review chapters by different authors      **Catalog of Copyright Entries. Third Series** Library of Congress. Copyright Office,1978      Design Concepts in Nutritional Epidemiology Michael Nelson,1997 In examining the relationship between nutritional exposure and disease aetiology the importance of a carefully considered experimental design cannot be overstated A sound experimental design involves the formulation of a clear research hypothesis and the identification of appropriate measures of exposure and outcome It is essential that these variables can be measured with a minimum of error whilst taking into account the effects of chance and bias and being aware of the risk of confounding variables The first edition of Design Concepts in Nutritional Epidemiology presented a thorough guide to research methods in nutritional epidemiology Since publication of the 1st edition we now have a much better understanding of the characteristics of nutritional exposure that need to be measured in order to answer questions about diet disease relationships The 2nd edition has been extensively revised to include the most up to date methods of researching this relationship Included are new chapters on qualitative and sociological measures anthropometric measures gene nutrient interactions and cross sectional studies Design Concepts in Nutritional Epidemiology will be an essential text for nutritionists and epidemiologists helping them in their quest to improve the quality of information upon which important public health decisions are made      Australian Books in Print 1996 Thorpe, D. W., Staff,1996-04 This unique reference provides detailed bibliographic information on in print books published in or about Australia or written by Australian authors There are also details on publishers distributors whose titles are represented as well as information on all trade associations literary awards

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    ASHRAE Handbook ,1999     New Civil Engineer ,1977     **Books in Print Supplement** ,1985     *Biological Pollution*  
Bill N. McKnight,1993 The combination of natural habitat loss and the introduction of invasive exotic animal and plant species is creating environmental chaos Because of the magnitude of the problem and the urgent need for action the Indiana Academy of Science IAS organized this symposium The conference dealt with both aquatic and terrestrial systems with specific focus on causes control measures management practices ecologic and economic consequences and policy The Academy was founded in 1885 and deals with both biological and physical science The IAS is dedicated to promote scientific research and the diffusion of scientific information to encourage communication and cooperation among scientists to improve education while stimulating interest in the sciences It does so by offering research grants sponsoring education activities and organizations publishing a journal and books and presenting special topic conferences BOOK JACKET Title Summary field provided by Blackwell North America Inc All Rights Reserved

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