

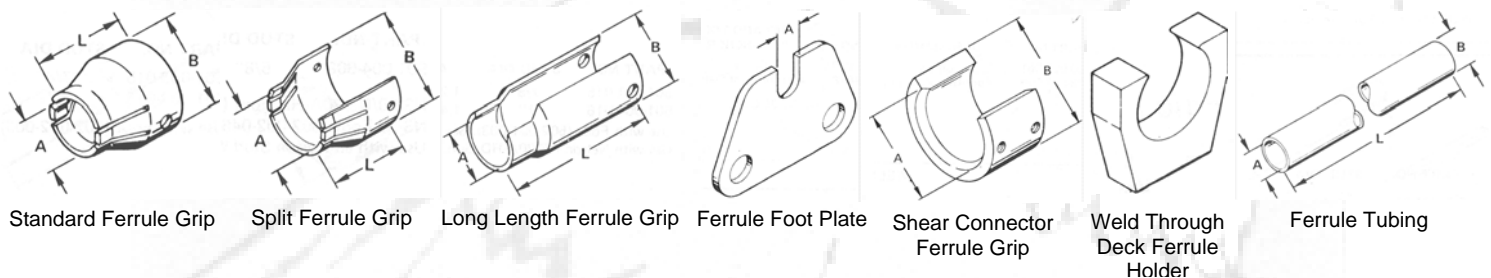
# NELSON STUD WELDING

## ACCESSORY SPECIFICATION: Ferrule Grips and Ferrule Holders

Ceramic ferrules, and essential part of the stud welding process, can be positioned on the front of the stud welding gun using several different styles of ferrule grips or ferrule holders.

Standard ferrule grips are used for most studs. Split ferrule grips are used for long studs, and for studs that have heads larger than the stud base diameter. Shear Connector grips and the Weld Through Metal Deck ferrule holders are used in construction applications. Ferrule tubes are used for welding through holes in wood, plastic, or masonry.

The neck diameter of the ferrule is the primary dimension needed when selecting the appropriate ferrule grip or ferrule holder. Below is a chart showing the various ferrule grips, ferrule holders, and ferrule tubing needed for ferrules with different neck diameters.



### Small Copper Ferrule Grips – Fits in Standard “Small” Feet

Major Diameter: 0.875”

Neck Diameter of Ferrule	Nominal Size	Standard Ferrule Grip	Standard Split Ferrule Grip	Long Length Split Ferrule Grip	Ferrule Foot Plate	Shear Connector Grip <sup>1</sup>	Weld Through Deck Ferrule Holder <sup>2</sup>	Ferrule Tubing
0.281	#6	501001002	501003001	N/A	N/A	N/A	N/A	N/A
0.291	#8	501001003	501003002	N/A	N/A	N/A	N/A	501005001
0.305	#10	501001004	501003003	N/A	501006010	N/A	N/A	501005002
0.380	1/4*	501001005	501003005	501004003	501006001	N/A	N/A	501005003
0.445	5/16	501001006	501003006	501004006	501006002	N/A	N/A	501005004
0.505	3/8*	501001007	501003007	501004007	501006003	N/A	501006050	501005005
0.585	7/16	501001008	501003008	501004008	501006004	N/A	N/A	501005006
0.650	1/2*	501001009	501003009	501004013	501006005	501003022	501006039	501005007

### Medium Copper Ferrule Grips – Fits in Standard “Medium” Feet

Major Diameter: 1.156”

Neck Diameter of Ferrule	Nominal Size	Standard Ferrule Grip	Standard Split Ferrule Grip	Long Length Split Ferrule Grip	Ferrule Foot Plate	Shear Connector Grip <sup>1</sup>	Weld Through Deck Ferrule Holder <sup>2</sup>	Ferrule Tubing
0.785	5/8	501001011	501003010	501004009	501006007	501003021	501006044	501005008
0.921	3/4 special	501001012	501003011	N/A	501006011	N/A	N/A	N/A
1.030	3/4	501001014	501003014	501004014	501006008	501003019	501006027	501005009

### Large Copper Ferrule Grips – Fits in Standard “Large” Feet

Major Diameter: 1.750”

Neck Diameter of Ferrule	Nominal Size	Standard Ferrule Grip	Standard Split Ferrule Grip	Long Length Split Ferrule Grip	Ferrule Foot Plate	Shear Connector Grip <sup>1</sup>	Weld Through Deck Ferrule Holder <sup>2</sup>	Ferrule Tubing
1.210	7/8	501001015	501003015	N/A	501006009	501003020	501006028	N/A
1.406	1	501001016	501003016	N/A	501006032	501003025	501006046	N/A

<sup>1</sup> Shear Connector ferrule grips are for use in Standard Shear Connector foot #502002009; Shear Connector Bipod Foot #503000000, or Standard Large Feet, #502001144, for NS-30 and NS-40 guns, or #502001003 for NS-20 and Heavy Duty guns.

<sup>2</sup> Weld Through Deck ferrule Holders are for use on WTD Foot extension Assembly, #502002042.

**Note:** The ferrules supplied for unthreaded 1/4”, 3/8”, 1/2”, and 5/8” diameter studs have neck diameters that are for 1/8” larger ferrules than the standard. Thus applies to **NBL, H4L, HBL, SBL, and D2L** studs.

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