

NELSON STUD WELDING

SPECIFICATION: GRD.STD Grounding Studs

Nelson Grounding studs are used to make electrical contact in automotive and industrial applications. Plastic parts and housings or painted surfaces may isolate subassemblies, such as taillights from the chassis, thus preventing them from being grounded. The flange and threads on Nelson grounding studs provide an attachment point for cables between the chassis and the isolated component.

Nelson Grounding studs are welded using the Short Cycle process, which allows the studs to be welded to thin base material with good strength. They are supplied with a plastic caps or metal acorn nuts installed on them, facilitating the automatic feeding of the stud to the weld gun and protecting the stud's threads and flange surface during subsequent assembly painting. When the caps are removed after painting, the threads and flange are paint free and ready for electrical cable attachment. The caps or nuts are color-coded to assist the operator in identifying thread size, material, and plating.

The use of metal acorn nuts in place of the plastic caps is preferred. The metal nuts eliminate sourcing issues, assures compatibility, availability and they eliminate the need to dispose of the plastic caps.

Nelson Grounding studs can be supplied without the color-coded caps or the metal nuts for manual welding applications.

For similar function studs, see Nelson "W" Top Wide Flange studs, ANC Unthreaded Stored Arc studs, ATC Stored Arc studs, CKL Collar studs, AXC Fir Tree studs, and "T" studs.

When ordering, specify Type, Thread Size, Overall Length, Material, Plating, Quantity, and Part Number

Example: GRD.STD Grounding Stud; M6 x 18mm; Mild Steel; Nickel Plated; 5,000 pieces; #101108638

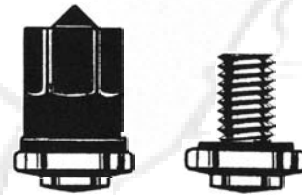
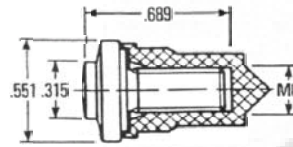
Thread Type	D	L	C	Required Standard Accessory Chuck
M6	8	18	14	500001436
M8	8	18	14	500001436

MATERIALS: Nelson Grounding studs are available in Low Carbon Mild Steel with nickel plating, and 18-8 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 external threads are 6g per ISO R261.

AUTO FEED: Studs to be used in automatic feed systems must be 100% sorted (Auto Feed quality). Therefore, "Auto Feed (AF) Quality" must be requested and specified at time of quotation and order entry. Please consult your Nelson Stud Welding sales representative regarding automatic feed accessories.

Grounding Studs



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