

NELSON STUD WELDING

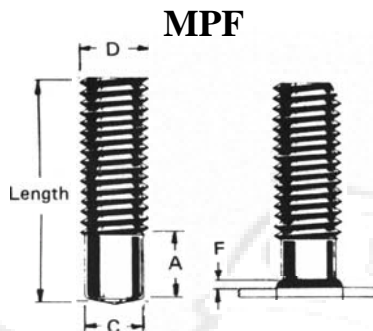
SPECIFICATION: Metric MPF Partially Threaded Studs

Nelson Metric MPF studs have a short unthreaded weld base, so that, after welding, the usable threads essentially extend down to the weld metal. They are used for fastening applications on heavy gauge base materials where development of the full fastener strength is needed. The short unthreaded section minimizes the weld flash diameter and height. It also reduces the possibility of stud hang up in the ferrule cavity if gun parts are slightly misaligned. Ferrules with a special low profile and large diameter are used to weld MPF style studs.

Nelson partially threaded studs have a pitch diameter weld base and are available in thread diameters of M6 through M16 with unlimited length.

Nelson MPF studs conform to AWS D1.1, TS16949, and ISO 9000:2000.

For similar function metric studs, see Nelson **MD Fully Threaded Metric studs**, **MP Partially Threaded studs**, and **MR Reduced Base studs**. In the imperial line of Nelson studs, see **CFL Full Threaded studs**, **CFP Small Diameter Threaded studs**, **CJL Reduced Base studs**, **HBL Full Base Diameter Threaded studs**, **B5L 90° Bent Collar studs**, **Banding Cable Hangers**, **CrimpLok™ Cable Hangers**, and **Watertight nuts**.



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

Example: MPF M10 x 58mm; Stainless Steel; 10,000 pieces; #102600013

Thread Size	Minimum Stud Length	Burn Off	C	A	Weld Flash Size		Flash Clearance	Required Standard Accessories			
					Diameter E	Height F		Ferrule	Grip	Chuck	Foot
M6 x 1.00	17.00	2.00	5.30	3.50	9.00	2.80	10.00	100101188	501001005	500001267	502001137
M8 x 1.25	18.00	3.00	7.10	6.90	9.90	2.80	10.90	100101209	501001008	500001009	502001137
M10 x 1.50	18.00	3.00	8.90	8.80	12.50	3.40	13.70	100101210	501001009	500001269	502001137
M12 x 1.75	23.00	3.00	10.80	9.00	14.50	4.50	16.00	100101211	501001011	500001206	502001137
M16 x 2.00	29.00	4.00	14.60	13.50	17.80	5.80	20.00	600565	501001014	500001016	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 MPF studs are available in lengths up to 50mm. The threads conform to ISO 13918 6g series.

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

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