

# NELSON STUD WELDING

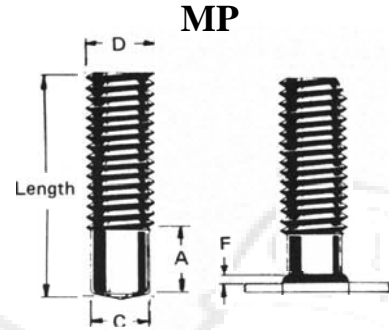
## SPECIFICATION: Metric MP Partially Threaded Studs

Nelson Metric MP studs are the standard metric stud recommended for fastening applications on heavy gauge base materials where development of the full fastener strength is needed. The 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.

Nelson partially threaded studs have a pitch diameter weld base and are available in thread diameters of M6 through M24 with unlimited length.

Nelson MP studs are certified to AWS D1.1, TS16949, and ISO 9000:2000.

For similar function metric studs, see Nelson **MD Fully Threaded Metric 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: MP M10 x 1.50 x 28mm; Mild Steel; 10,000 pieces; #101018221**

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
<b>M6 x 1.00</b>	15.00	2.00	5.30	9.50	9.00	2.80	10.00	100101034	501001005	500001267	502001137
<b>M8 x 1.25</b>	16.00	3.00	7.10	11.00	9.90	2.80	10.90	100101035	501001006	500001009	502001137
<b>M10 x 1.50</b>	16.00	3.00	8.90	11.50	12.50	3.40	13.70	100101156	501001008	500001269	502001137
<b>M12 x 1.75</b>	24.00	3.00	10.70	14.00	14.50	4.50	16.00	100101032	501001009	500001206	502001137
<b>M16 x 2.00</b>	29.00	4.00	14.60	16.50	17.80	5.80	20.00	100101159	501001011	500001016	502001138
<b>M20 x 2.50</b>	35.00	4.00	18.20	19.00	27.00	6.30	28.60	100101133	501001015	500001272	502001003
<b>M24 x 3.00</b>	46.00	5.00	21.90	27.00	28.60	8.00	31.80	100101140	501001015	500001274	502001003

**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 MP studs are available with up to 75mm of thread length in ISO 13918 6g series thread. Other thread pitch series, and thread lengths greater than 75mm are available as special order.

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

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