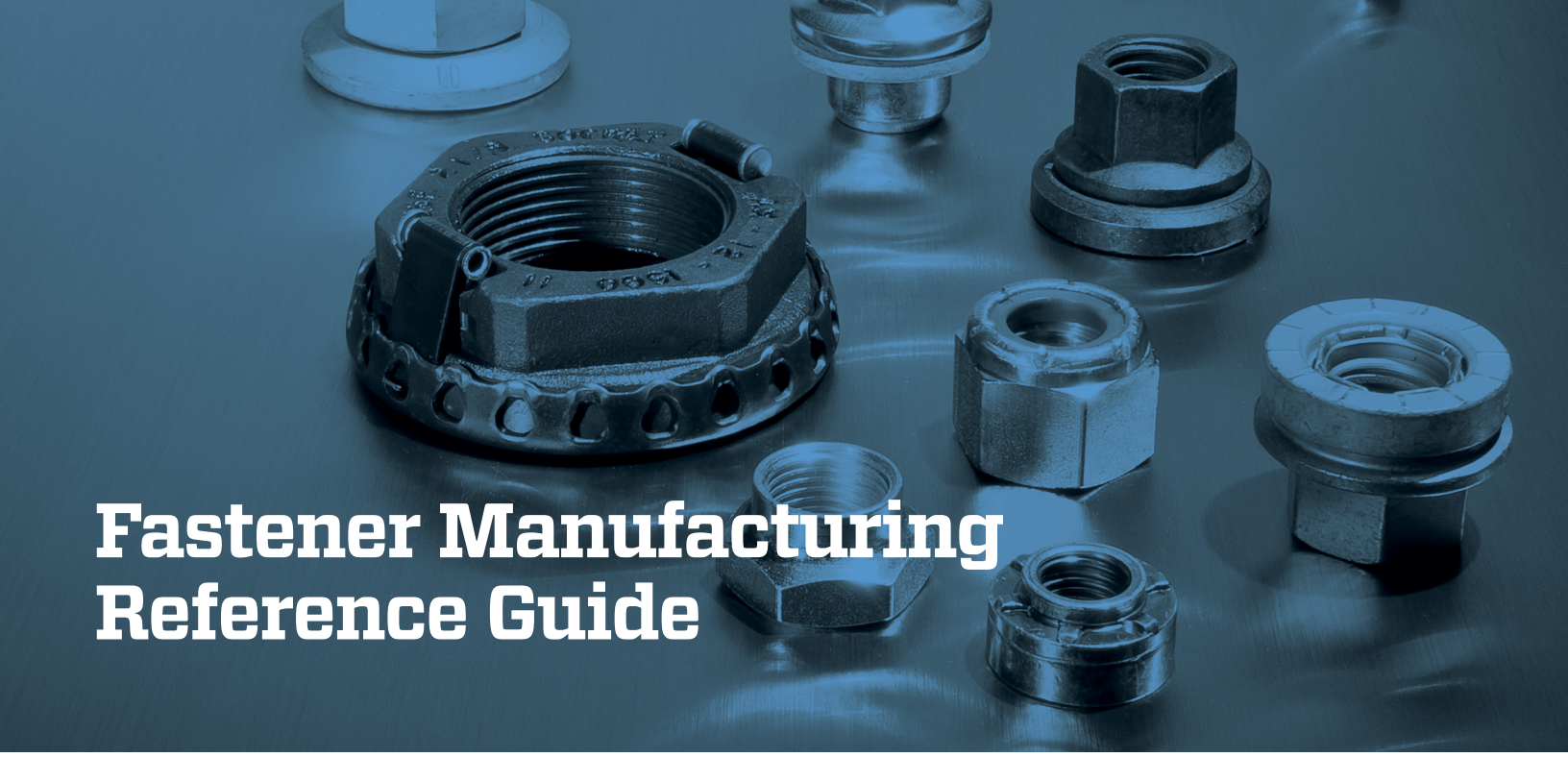


Fastener Manufacturing Reference Guide

At MacLean-Fogg Component Solutions, we take pride in forming.

Since 1925, we've been passionately forming the components used by our customers to build the world. We understand the challenges they face, and we deliver solutions tailored to their needs.



Fastener Components Group

Chesterfield Twp., MI MAYNARD
Mundelein, IL
Farmington Hills, MI
Savanna, IL METFORM

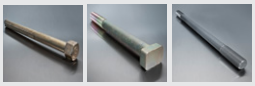
Global Support Locations

Allen Park, MI
Bloomfield Hills, MI
Chennai, India
Peterborough (London), UK
Seoul, South Korea
Taicang, China
Taipei, Taiwan
Tokyo, Japan
Toluca, Mexico

TS16949
ISO14001

MacLean-Fogg
COMPONENT SOLUTIONS

We form the most ingenious solutions for a variety of industries and applications.

MFCS Facility	Thread	Types	Size / Volume	Materials	Processes
Mundelein, IL	Internal	• Clinch-Lok Nuts • Step-Lok Nuts / Washers • Prevailing Torque Nuts • Nylon Insert Lock Nuts • All Metal Lock Nuts • Specials 	• M6 - M16 *6 mm - 38 mm dia.* *5 mm - 44 mm height*	• Carbon • Aluminum • Stainless Steel	• Cold Forming • Tapping • Deflection • Assembly • Machining
	External	• Plugs • Specials 	• M6 - M24	• Carbon • Aluminum • Stainless Steel	• Machining • Thread Rolling • Cold Forming
Savanna, IL	Internal	• Securex Wheel Nuts • Axilok Spindle Nuts • Large Nuts • Specials 	• M20 - M70 * *up to 110 mm dia.,* *up to 95 mm thick*	• Carbon • Carbon Alloys	• Horizontal Hot Forging • Cold Forming • Tapping • Deflection / Staking • PTFE Coating • Heat Treat
	External	• Bolts • Studs 	• M16 - M42 * *up to 500 mm long* • M16 - M48 * *up to 1000 mm long*	• Carbon	• Vertical Press Warm Forging • Thread Rolling
Chesterfield, MI	External	• Lockthread • Studs • Bolts • T-Bolts 	• M6 - M14* • T-Bolt • M6 - M12* *Up to 135 mm long (5 in.)*	• B16 • A286 • Nimonic 80A • Inconel 718 • Carbon	• Cold Forming • Warm Forming • Thread Rolling • Heat Treat
Farmington Hills, MI	Internal	• Decorex Wheel Nuts/Bolts 	• M12 - M14	• Carbon • Stainless Steel Cap	• Cold Forming • Tapping • Deep Drawing • Assembly • Thread Rolling

Contact us for manufacturing minimums.

MACLEAN FASTENERS 1000 ALLANSON ROAD, MUNDELEIN, IL 60060
METFORM 7034 ROUTE 84 SOUTH, SAVANNA, IL 61074
MACLEAN MAYNARD 50855 E. RUSSELL SCHMIDT BLVD., CHESTERFIELD, MI 48051
MACLEAN FARMINGTON HILLS 23400 HAGGERTY RD., FARMINGTON HILLS, MI 48335

P 248.853.2525 **MFCS@MACLEANFOGG.COM** **macleanfoggcs.com**

MacLean-Fogg
COMPONENT SOLUTIONS