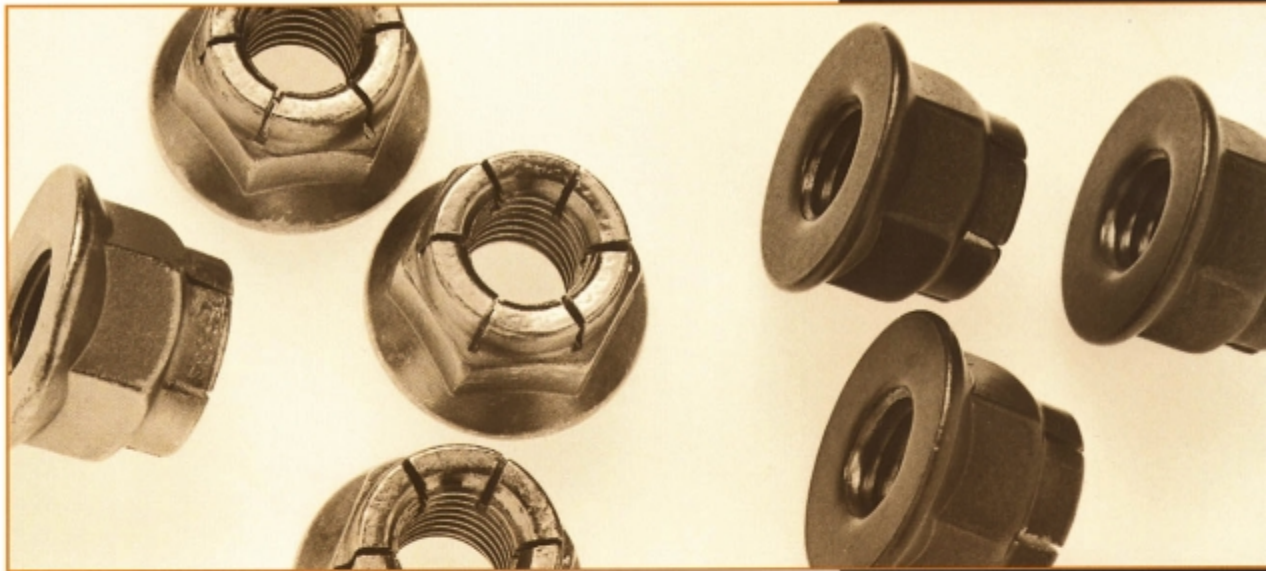


## Use FLEXLOC® Flanged Self-Locking Metric Nuts for Superior Locking Power

Locking Feature's  
Built In...No Washers  
Required



FLEXLOC® Flanged Self-Locking Nuts have an increased bearing area to eliminate the need for washers. For applications in thin or soft materials, this increased bearing area also allows for greater distribution of the bearing load. The one-piece construction also eliminates the need for washers, lock wires and inserts, simplifying joint design and assembly. With the prevailing torque locking mechanism, FLEXLOC nuts lock without seating and can be re-used with confidence. All metal construction means there are no weak non-metallic inserts and every thread carries its full share of the tensile load. It also assures increased thread engagement and performance in sub-zero to 800°F temperatures. For more information on FLEXLOC Self-Locking Nuts and the name of a FLEXLOC stocking distributor, call SPS Technologies at 215-572-3218.

**FLEXLOC**  
PRODUCTS

**Meets Class 12 Proof Load Requirements of ISO 2320, prevailing torque locknut specification.**

### **Available in a Wide Range of Materials...**

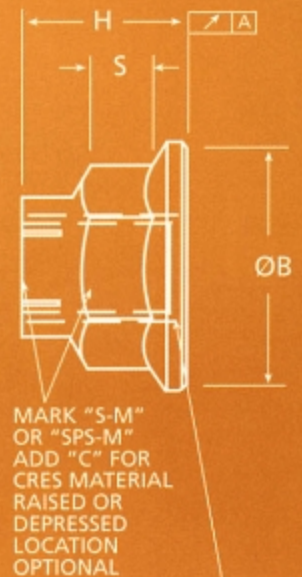
- **Carbon and Alloy Steel**
- **Austenitic Stainless Steel**
- **Other Materials on Special Order**



Type	Dash Number	Threads See Note A	A MAX	ØB MIN	C MIN	H MAX	S MIN	W		Proof Load - kN	
								MAX	MIN	Steel	Cres
MFFA	M407	M4 X 0.7	9.2	8.4	7.74	7.0	2.8	7.0	6.85	10.5	8.8
MFFC	M405	M4 X 0.5								11.7	9.8
MFFA	M508	M5 X 0.80	11.2	10.4	8.87	8.0	3.0	8.0	7.85	17.0	14.2
MFFC	M505	M5 X 0.50								19.3	16.1
MFFA	M610	M6 X 1.00	14.2	12.2	11.05	9.3	3.1	10.0	9.78	24.0	20.0
MFFC	M6075	M6 X 0.75								26.4	22.0
MFFA	M8125	M8 X 1.25	17.9	15.8	14.38	11.2	4.5	13.0	12.73	43.0	36.5
MFFC	M810	M8 X 1.00								47.0	39.0
MFFA	M1015	M10 X 1.50	21.8	19.6	18.90	14.0	5.5	17.0	16.73	69.5	58.0
MFFC	M1012	M10 X 1.25								73.0	61.0
MFFA	M1217	M12 X 1.75	26.0	23.8	21.10	16.6	6.7	19.0	18.67	100.0	84.0
MFFC	M1212	M12 X 1.25								110.0	92.0
MFFA	M1420	M14 X 2.0	29.9	27.6	24.49	19.2	7.8	22.0	21.67	138.0	115.0
MFFC	M1415	M14 X 1.5								150.0	125.0
MFFA	M1620	M16 X 2.0	34.5	31.9	26.75	21.5	9.0	24.0	23.67	188.0	157.0
MFFC	M1615	M16 X 1.5								200.0	167.0
MFFA	M2025	M20 X 2.5	40.0	38.8	33.53	26.0	11.1	32.0	31.61	294.0	245.0
MFFC	M2015	M20 X 1.5								326.0	272.0
MFFA	M2430	M24 X 3.0	47.6	46.4	35.72	33.0	15.0	36.0	35.38	423.0	353.0
MFFC	M2420	M24 X 2.0								460.0	384.0

Note A - Threads before lubrication per ISO R 965/II, Class 6H.

- Material: Steel, Carbon or Alloy.  
Steel, Corrosion Resistant Austenitic.
- Hardness: Steel Only - C30 Max.
- Finish: Cadmium Plate per QQ-P-416, Type I, Class 2.  
Cadmium Plate per QQ-P-416, Type II, Class 2.
- Lubricant: Unless otherwise specified, parts shall be supplied with a non-dry lubricant (wax type).  
Dry lubricant when specified.
- Part Numbers: The part number consists of groups of digits and letters designating the material, finish, type and size.
  - The first group of digits designates the material and finish.
  - 20-Steel, Unplated
  - 21-Steel, Cadmium Plated, Type I
  - 23-Steel, Zinc Plated
  - 27-Steel, Cadmium Plated, Type II
  - 28-Steel, Cadmium Plated, Type I, plus Molybdenum Disulfide Dry Film Lubricant.
  - 50-Steel, Passivated, Corrosion Resistant
  - 59-Steel, Silver Plated, Corrosion Resistant
  - The first group of letters designated the type as MFFA for coarse threads or MFFC for fine threads.
  - The last group of digits designated the diameter and pitch of the thread and is preceded by an "M."
  - Sample Part Numbers
    - 21MFFA-M1620 = 16mm Diameter x 2.0mm Pitch, Self-locking Metric Nut, Steel, Type I Cadmium Plate.
    - 59MFFC-M1212 = 12mm Diameter x 1.25mm Pitch, Self-locking Metric Nut, Cres, Silver Plate.
- Usage Limitations: These nuts are designed to be used on external threads within the limitations of MS33588.



COUNTERSINK,  
COUNTERBORE  
OR RADIUS RELIEF  
THREADS WITHIN  
THE LIMITS OF ØP

**SPS**  
TECHNOLOGIES

Highland Avenue  
Jenkintown, PA 19046  
215-572-3218  
FAX-215-572-3193

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**FLEXLOC**  
PRODUCTS

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