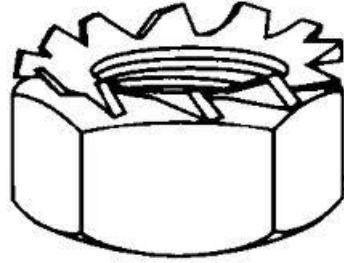


# METRIC KEPS LOCK NUTS



Nominal Size	Thread Pitch	Width Across Flats	Nut Thickness	Total Thickness (Nut w/assembled washer)	Width of Washer	Washer Thickness
M3	0.50	5.5	2.40	3.20	6.30	0.45
M4	0.70	7	3.20	4	8	0.45
M5	0.80	8	4	5.10	9.20	0.60
M6	1	10	5	6.10	11.0	0.60
M8	1.25	13	6.50	7.90	14.90	0.80
M10	1.50	17	8	9.60	19	0.90

<b>Description</b>	A hex nut with metric thread pitch, pre-assembled with a free spinning external tooth lock washer. The locking action is achieved when the nut is tightened against a bearing surface as the teeth of the lock washer dig into it.	
<b>Applications/ Advantages</b>	This is the most popular type of locknut because of its versatility, cost and ease of installation.	Doesn't gall screw threads.
<b>Material</b>	Nuts shall be made from a low carbon steel which conforms to the following chemical composition requirements-- <i>Carbon: 0.58% maximum; Manganese: 0.25% minimum; Phosphorous: 0.060% maximum; Sulfur: 0.150% maximum;</i> Washers-- Spring steel.	
<b>Hardness</b>	Nuts-- M3 - M4: Vickers HV 180 - 302 (Rockwell 887.1 - C30); M5 - M10: Vickers HV 200 - 302 (Rockwell B91.5 - Washers-- Rockwell C 41 - 47	
<b>Plating</b>	See Appendix-A for information about the plating of steel nuts.	