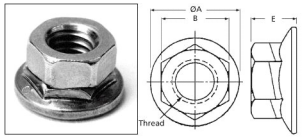
MBA

Nuts - Disk Locking



Performance
• Free Spinning (no thread interference) (H6 Tolerance) • One piece assembly • No washer required.
• Installed with standard equipment, no special tools required • Easy to remove • Reusable.
• Can be used with Grade 5 (Class 8.8), Grade 8 (Class 10.9) and even stronger bolted.
• US Military - MIL-STD 1312, Vibration Test 7. Results available on request.
• Junker Test results available on request. • Dynamic Test results available on request.

How Does It Work?
The Disk-Lock® Locking Nut is a vibration and shock proof, free spinning locking nut. It consists of two components, each with interlocking cams, which are joined together to form a one-piece assembly.
The top component of the Disk-Lock® Locking Nut is a threaded hexagon nut with cams on the underside and a pilot that retains the washer. The bottom component is a hex flange washer with cams on the top and a smooth bearing surface.
When the assembly is subjected to vibration and shock, the interlocking cams of the Disk-Lock® Locking Nut attempt to rise against each other. As the cam rise angles are greater than the pitch angle of the threads, the assembly locks and maintains the clamp load of the bolted connection, thereby protecting joint integrity.

Disk-Lock® Locking Nut Installation
To install the Disk-Lock® Locking Nut follow the same procedure as for conventional nuts and allow torque to normal specifications. To remove the Disk-Lock® Locking Nut place the wrench of socket over both hexes and loosen.

Body: Medium Carbon Steel (1035/45) HRC 26-34.

Plating: Zinc ASTM B - 633.

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Part Number	Thread	Pitch in mm / Threads Per Inch mm/No.	Head Height (E) mm *inches*	Flange Diameter (A) mm *inches*	Plating	Material	Across Flats (B) mm *inches*
# DIS-NU-M6	6.0mm (M6x1 Standard)	1.000 mm / 25.4 TPI	8.00 *0.315*	13.50 *0.531*	Zinc ASTM B - 633	Carbon Steel	10.00 *0.394*
# DIS-NU-M8	8.0mm (M8x1.25 Standard)	1.250 mm / 20.32 TPI	10.00 *0.394*	17.00 *0.669*	Zinc ASTM B - 633	Carbon Steel	13.00 *0.512*
# DIS-NU-M10	10.0mm (M10x1.5)	1.500 mm / 16.93 TPI	11.00 *0.433*	20.00 *0.787*	Zinc ASTM B - 633	Carbon Steel	15.00 *0.591*

 # Indicates item not stocked at time of printing - Please enquire for lead time

MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.

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Part Number	Thread	Pitch in mm / Threads Per Inch mm/No.	Head Height (E) mm *inches*	Flange Diameter (A) mm *inches*	Plating	Material	Across Flats (B) mm *inches*
# DIS-NU-M12F	12.0mm (M12x1.25 Extra Fine)	1.250 mm / 20.32 TPI	13.00 *0.512*	23.00 *0.906*	Zinc ASTM B - 633	Carbon Steel	17.00 *0.669*
# DIS-NU-M12	12.0mm (M12x1.75 Standard)	1.750 mm / 14.51 TPI	13.00 *0.512*	23.00 *0.906*	Zinc ASTM B - 633	Carbon Steel	17.00 *0.669*
# DIS-NU-M16F	16.0mm (M16x1.5 Fine)	1.500 mm / 16.93 TPI	21.00 *0.827*	32.00 *1.260*	Zinc ASTM B - 633	Carbon Steel	24.00 *0.945*
# DIS-NU-M16	16.0mm (M16x2 Standard)	2.000 mm / 12.7 TPI	21.00 *0.827*	32.00 *1.260*	Zinc ASTM B - 633	Carbon Steel	24.00 *0.945*

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