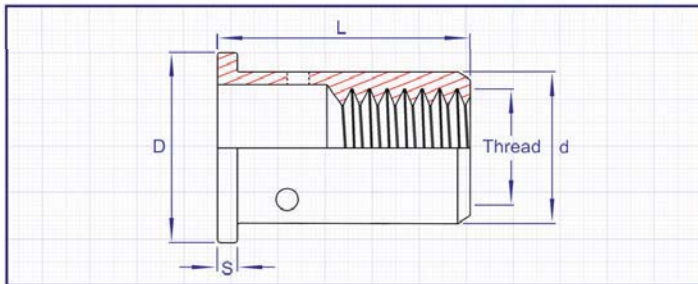


# OPTINUT® BLIND RIVET NUT



visit: [www.npfasteners.com/optinut.shtml](http://www.npfasteners.com/optinut.shtml)

## TYPE OptiNut® LARGE FLANGE (LF)



### SPECIFICATION

Thread & Pitch	Grip Range	Hole Size +0.1 -0.0	D	d	S	L
M6 x 1.0	45 (0.5 - 4.5)	9.0	13.0	9.0	1.50	18.0
	60 (0.5 - 6.0)	9.0	13.0	9.0	1.50	19.5
M8 x 1.25	60 (0.5 - 6.0)	11.0	16.0	11.0	1.50	20.0
	80 (0.5 - 8.0)	11.0	16.0	11.0	1.50	23.0
	110 (3.5 - 11.0)	11.0	16.0	11.0	1.50	23.0
M10 x 1.5	70 (0.8 - 7.0)	13.0	19.0	13.0	2.00	26.0
	100 (0.8 - 10.0)	13.0	19.0	13.0	2.00	30.0

Also available in small countersunk head style and with optional knurled body - call for details

### INFORMATION

#### FINISHES

Bright Zinc Trivalent Clear passivated (ZI96), Provides 96 hours salt spray resistance (Other Platings Available To Special Order).

#### MATERIALS

Medium Tensile Steel, (Aluminium (AL), Brass (BR)).

#### PART NUMBER EXAMPLES

Type / Style / Thread / Grip Code / Finish  
OPTI - LF - M6 - 60 - ZI96  
(OptiNut-Large Flange - M6 - 0.5 - 6.0 Grip Range - 96 Hour Zinc Trivalent Pass)

The high performance patented OptiNut® is a new type of rivet nut designed to streamline rivet nut usage and at the same time solve most of the age-old problems associated with this sort of fixing.

Primarily the OptiNut® offers a much wider grip than conventional rivet nuts, for instance. M3 will cover 0.5-3.00mm the M4 0.5-4.00mm, M8 0.5-8.00 and so on. One nut will cover 2 grips in the smaller sizes and up to 4 grips in larger sizes so reducing inventory items and the danger placing the wrong nut in the work piece.

OptiNut® rivet nuts are produced in 23B2 material and therefore offer up to 40% better thread performance than standard CB4 FF. This material is most suited when used with 8.8 screws.

OptiNut® rivet nuts can be used with conventional tooling but tool adjustment will still be necessary to obtain the correct setting.

OptiNut® rivet nuts can also be produced with a grip range to suit your application i.e. M8 - 3.5-11.0mm.

OptiNut® rivet nuts produce a bulge with a much larger diameter than conventional rivet nuts and with a controlled upset point can safely be used in softer materials, composites or sandwich sections.

OptiNut® rivet nuts can be produced in first grip, large flange and small C'sk Head styles in steel with a Zinc / CR3 based plating (giving 96 hours to white rust) as standard but can be produced in all head styles, body shapes and materials to suit your application.

OptiNut® custom can be offered in specific or conventional grips where the bulge control system will offer manageable mechanical control for upset point, or providing lower upset load requirement for minimum heat treated parts which withstand the maximum torque requirement for 12.9 bolts.



OptiNut® is a registered trademark of Northern Precision Ltd