

# ANNOUNCEMENT

## BlueFast®



### Improving aerospace nuts - Supersedes Cadmium plating

The BlueFast® environment friendly range supersedes the traditional aerospace cadmium plated parts for non-aerospace markets including motorsports and automotive.

BlueFast® nuts are manufactured in the production facility using the same materials, tooling, heat treatments, testing and quality control procedures as the cadmium plated aerospace hex nuts and anchor nuts. This ensures our existing, and new customers, can use BlueFast® as a direct replacement for cadmium plated fasteners.

### Zinc-Nickel plating

Providing corrosion resistance and protection from galvanic corrosion

In the past 20 years many studies on different plating methods have been carried out by both the automotive and aerospace industries. Zinc-Nickel plating is now seen as the preferred alternative to the toxic cadmium plating and an improvement over traditional zinc plating. Zinc-Nickel plating, free of both cadmium and hexavalent chrome VI, has been selected as the environmental friendly finish for the BlueFast® range of hexagonal k-nuts and floating anchor nuts.

Zinc-Nickel plating has been widely used in the automotive industry for over 20 years and offers the following advantages:

Zinc-Nickel plating provides greater resistance to corrosion when compared to zinc plating, salt spray test results have shown up to 4 times greater.

Zinc-Nickel plating reduces the risk of galvanic corrosion when using dissimilar materials.

BlueFast® k-nuts and anchor nuts are used in high performance applications and not only meet the ELV Directive but also provide designers with an environment friendly value added fastener solution.

- ✓ REACH / ROHS / ELV DIRECTIVE
- ✓ CONSISTENT LOCKING PERFORMANCE
- ✓ MADE IN EUROPE
- ✓ AVAILABLE FROM STOCK



#### European Union Law

##### End-of-Life Vehicles

EU rules aim to make the dismantling and recycling of end-of-life vehicles more environmentally friendly.

The Directive on end-of-life vehicles (ELV Directive) set clear targets for ELVs and their components. It also prohibits the use of hazardous substances when manufacturing new vehicles (especially lead, mercury, cadmium and hexavalent chromium) except in defined exemptions when there are no adequate alternatives. The exemptions are listed in annex II of the Directive.

Source: End-of-Life Vehicles, European Commission, Environment  
[https://ec.europa.eu/environment/topics/waste-and-recycling/end-life-vehicles\\_en](https://ec.europa.eu/environment/topics/waste-and-recycling/end-life-vehicles_en)

## Transition to BlueFast

Commitment to BlueFast® inventory has resulted in a smooth transition for customers.

Contact us so we can guide you through the transition.

# BlueFast®

## BlueFast Technical

Performance and engineering support

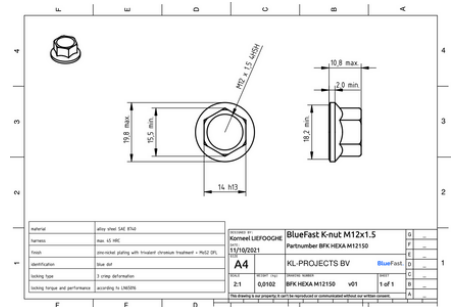
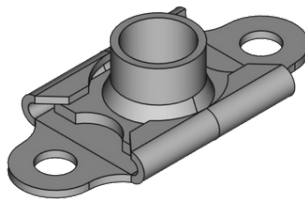
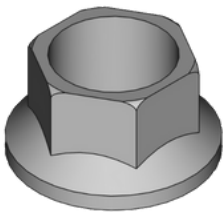
### Performance 3 Crimp Locking

3 crimp locking deformation is applied across the BlueFast® range of hexagonal k-nuts to ensure consistent locking performance on many different types of bolt and stud. To achieve this, and guarantee repeat performance, the locking torque is controlled and recorded for 15 cycles of each production batch.

The locking torque and performance of the BlueFast® range meet the LN65016 standard.

### Technical drawings, 3D models & MDS entries

To offer a comprehensive support package for designers we have available, on request, technical drawings and 3D CAD models for fast integration into your design.



MDS ID / Version: 103895009 / 6.01 Page: 1 / 3  
User: LIEFOOGHE, Korneel Date: 9/27/21 9:10:29 AM

### MDS Report Substances of assemblies and materials

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#### 1. Company and Product Name

##### 1.1 Supplier Data

Name (ID): KL-PROJECTS (230932)  
DUNS Number: 37-167-2857

##### 1.2 Product Identification

PartItem No.: BFA FL2A M06100  
Description: BFA FL2A M06100  
BlueFast Heat-Set Anchor  
nut 2 legs M6x1.0 self-  
locking

The automotive industry specifically requires the entry of each product in the MDS database in order to know and control all materials and substances in the end product.