

Hex Nut Class 10, Zn Cr Plated, Coarse Threads

1. SCOPE

1.1 The fasteners defined by this specification are gold Zinc Chromate (Zn Cr) plated Class 10 Hex Nut with coarse threads.

1.2 The Hex Nut Class 10 Zn Cr plated is to be used in higher strength applications.

2. DESIGNATION

2.1 Typical call-out on a drawing shall be:

Dutch	43362	MR	CL10	G	M8	86505681
English	43362	N	CL10	P	M8	86505681
Part Number						
Hex Nut						
Class 10						
Plated (Zn Cr) (G-Gal Zn 5)						
Diameter						
Standard Part Number						

NOTE: The above description is required for use in all company-wide computer generated documents. The description on hand drawn assembly drawings should follow the same practice.

2.2 Table 2 lists the Non-Preferred part numbers which should not be used in future designs.

2.3 When requesting a new part number, refer to the instructions in standard 86505922 (FNHA-3-A-005.00).

3. RELATED SPECIFICATIONS

3.1 REFERENCE STANDARDS

86508305 (FNHA-2-H-500.00)—Zinc Electroplating on Ferrous Surfaces
 86505922 (FNHA-3-A-005.00)—Assignment of Standard Parts Part Numbers
 86580475 (FNHA-2-H-505.00)—Zinc Mechanical Coatings on Ferrous Materials
 DIN 267 Part 4—Mechanical Properties of Hex Nuts
 ISO 965/2—ISO General Purpose Metric Screw Threads—Tolerances—Part 2: Limits of Sizes for General Purpose Bolt and Nut Threads—Medium Quality
 DIN 934—Hexagon Nuts
 SAE J122—Surface Discontinuities on Nuts

3.2 This standard replaces the following company standard:

Versatile (Partial)

1-M-040

4. REQUIREMENTS

4.1 MATERIAL

Class 10 according to DIN 267 Part 4—Steel with the following chemical composition: max. of .58% Carbon, min. of .30% Manganese, max. of .048% Phosphorus, and max. of .058% Sulfur.

					NAME	STD N CL10 ZNCR		
					 NEW HOLLAND		ENGINEERING SPECIFICATION	
ALL	L	BJF	118965	16JUL02				
ALL	K	BJF	115815	28MAR01	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND N. V. AND/OR ITS SUBSIDIARIES. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.		FRAME 1	OF 4
ALL	J	BJF	113897	9/99			PART NUMBER	
ALL	H	BJF	113476	5/99				
FRAME NO.	REV	BY	ECN NO.	DATE				
APP. KHH 10/93	DRAWN		BJFJR	9/93				
	CHECKED						26503681	

4.2 PLATING

4.2.1 Preferred

The plating shall be gold Zinc Chromate (Zn Cr) Electroplate 86508316 (FNHA-2-H-500.25) per standard 86508305 (FNHA-2-H-500.00). Baking is not required for Hydrogen Embrittlement.

4.2.2 Alternate

The coating shall be Gold Zinc Dichromate (Zn Cr) Mechanical 86580485 (FNHA-2-H-505.25) per standard 86580475 (FNHA-2-H-505.00).

4.3 MECHANICAL REQUIREMENTS

Class	Proof Load	Hardness*
	N/mm ²	Rockwell
10	1000	C36 Max.

* Hardness shall be determined on the top or bottom of the nut.

4.4 MECHANICAL DIMENSIONS

The screw thread geometry shall be coarse pitch, tolerance class 6H (medium class) according to ISO 965/2 before plating. The general dimensions shall meet the requirements in Table 1.

4.5 SURFACE DISCONTINUITIES

All products under this specification shall meet the Surface Discontinuities on Nuts per SAE J122.

5. SUPPLIER RESPONSIBILITY

5.1 Suppliers shall perform the necessary test for sample approval for initial lots. After this approval, suppliers are not required to perform the specific tests, but ascertain that their product will conform to the specification limits. These specified requirements will be used to reconcile any disputed values.

5.2 All materials supplied to this specification shall be equivalent in all characteristics to the material upon which approval was originally granted. Prior to making of any changes in the properties, composition, construction, color, dimensions, processing or labeling of the material originally approved under this specification, the supplier shall notify Purchasing and the affected Standardization Engineering activity of the proposed changes and obtain the written acknowledgement of the Standardization Engineering activity. Test data, test samples and a new identification code are to be submitted with the request.

 NEW HOLLAND	NAME				PART NUMBER	
	STD N CL10 ZNCR				86505681	
ENGINEERING SPECIFICATION		REV. L	FRAME 2	OF 4	 Documents	