

Cotter Pins, Extended Prong Type, Zn Cr Plated

1. SCOPE

The fasteners defined by this specification are gold zinc chromate (Zn Cr) plated extended prong type cotter pins.

2. DESIGNATION

2.1 Typical call out on a drawing shall be:

Dutch	394818	SPL PEN	G	5x25	86505668
English	<u>394818</u>	<u>COT PIN</u>	<u>P</u>	<u>5x25</u>	<u>86505668</u>
Part Number					
Cotter Pin					
Plated (Zn Cr) (G-Gal Zn 5)					
Diameter					
Length					
Standard Part Number					

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

2.2 Table 2 contains the preferred part numbers to be used in future designs. Table 3 lists the part numbers which are not preferred for use 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

86505922 (FNHA-3-A-005.00)—Assignment of Standard Part Numbers
 86508305 (FNHA-2-H-500.00)—Zinc Electroplating on Ferrous Surfaces
 DIN 94—Split Pins

3.2 This standard replaces the following company standards:

New Holland	ES13.01
Winnipeg (Partial)	1-M-061

4. REQUIREMENTS

4.1 MATERIAL

Steel

4.2 PLATING

The plating shall be gold Zinc Chromate (Zn Cr) Electroplate per 86508316 (FNHA-2-H-500.25). Baking is not required for hydrogen embrittlement relief.

4.3 MECHANICAL REQUIREMENTS

The cotter pin to be tested is gripped at the eye end about half way along its length. Cotter pin with nominal diameter up to 5 mm must show any incipient cracks when a leg is bent three times through 90°. Cotter pins over nominal diameter 5 mm must withstand the same test after bending twice.

					NAME	STD COT PIN ZNCR		
ALL	G	BJF	120060	04DEC02		 NEW HOLLAND	ENGINEERING SPECIFICATION	
ALL	F	BJF	118965	16JUL02	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 3
ALL	E	BJF	117333	22JAN02			PART NUMBER	
ALL	D	BJF	116564	13SEP01			Documents 26505668	
ALL	C	BJF	115375	08DEC00			Document Sharing H	
ALL	B	RE	112925	12/98				
FRAME NO.	REV	BY	ECN NO.	DATE				
APP.	DRAWN		BJFJR	10/98				
GES 12/98	CHECKED							

4.4 MECHANICAL DIMENSIONS

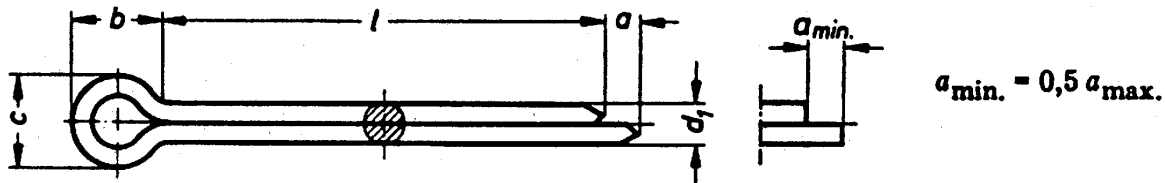
The general dimensions shall meet requirements in Table 1. All other dimensions shall be in accordance to DIN 94.

5. SUPPLIER RESPONSIBILITY

5.1 Suppliers shall perform the necessary test 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.

Table 1: Cotter Pins



Nominal Diameter		1.6	2	2.5	3.2	4	5	6.3	8	10
Shank Diameter (d_1)	Max.	1.4	1.8	2.3	2.9	3.7	4.6	5.9	7.5	9.5
	Min.	1.3	1.7	2.1	2.7	3.5	4.4	5.7	7.3	9.3
Extended Prong Length (a)	Max.	2.5	2.5	2.5	3.2	4	4	4	4	6.3
Head Length (b)	Approx.	3.2	4	5	6.4	8	10	12.6	16	20
Head Diameter (c)	Max.	2.8	3.6	4.6	5.8	7.4	9.2	11.8	15	19
	Min.	2.4	3.2	4	5.1	6.5	8	10.3	13.1	16.6

NOTE: Hole size is equal to nominal diameter with H14 tolerance.