

Standard Parts / Inch Fasteners

FNHA-1-B-670.00

Cotter Pins, Extended Prong Type, Plain

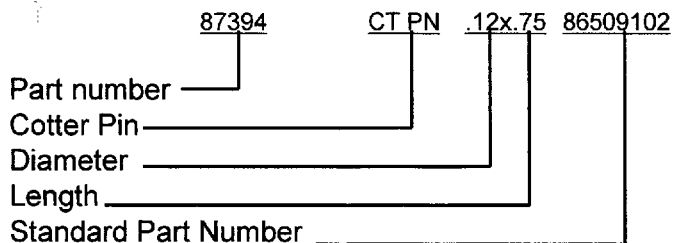
1. SCOPE

1.1 The fasteners defined by this specification are extended prong type cotter pins, plain.

1.2 ZnCr plated pins are preferred. Plain pins should be used only when the pin will be welded or in an internal application where flaking could damage nearby parts, such as a gearbox.

2. DESIGNATION

2.1 Typical call-out on a drawing shall be:



NOTE: The above typical 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 contains non-preferred part numbers. These parts should not be used in future designs, unless an unplated pin is necessary.

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

FNHA-3-A-005.00 (86505922) - Assignment of Standard Part Numbers
ANSI/ASME B18.8.1 - Cotter Pins

3.2 This standard replaces the following company standards:

New Holland Standard

NA 2.04.1

4. REQUIREMENTS

4.1 MATERIAL

Cotter pins shall be made from steel with the following chemical composition:

Carbon 0.15% maximum
Manganese .. 0.75% maximum
Phosphorus . 0.04% maximum
Sulphur 0.05% maximum.

4.3 MECHANICAL REQUIREMENTS

The pins shall be ductile such that each prong of the pin can be bent back 180° once with no visible indication of fracture.

4.2 PLATING

These parts are **not** plated.

					NAME	STD COT PIN PLAIN	
ALL	F	BJF	111422	2/98	 NEW HOLLAND	ENGINEERING SPECIFICATION	
ALL	E	BJF	110744	9/97			
ALL	D	BJF	110171	6/97		FRAME 1	OF 3
2/3	C	BJF	108139	7/96			PART NUMBER
ALL	B	MI	106814	8/95	THE INFORMATION HEREON IS THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF NEW HOLLAND NORTH AMERICA, INC. AND/OR NEW HOLLAND CANADA, LTD. ANY USE, EXCEPT THAT FOR WHICH IT MAY BE LOANED, IS PROHIBITED.		
ALL	A	RE	104739	1/95			
FRAME NO.	REV	BY	ECN NO.	DATE			
APP.	DRAWN		MGI	6/95			
KHH 9/95	CHECKED						

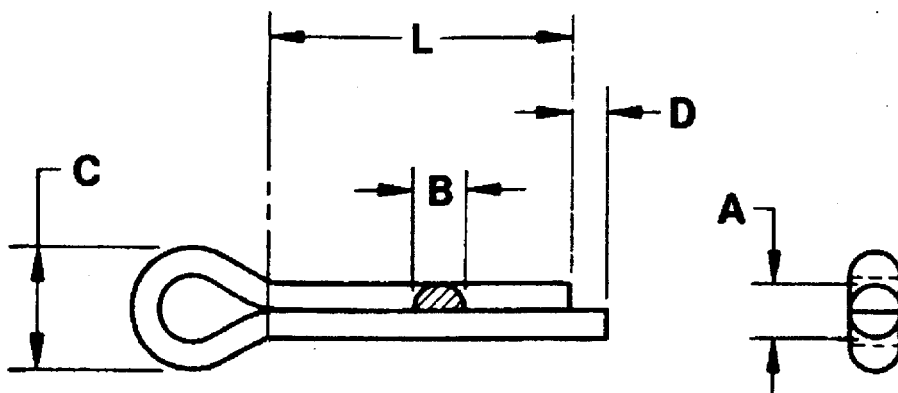
Standard Parts / Inch Fasteners**FNHA-1-B-670.00****4.3 Mechanical dimensions**

The general dimensions shall meet the requirements in Table 1.

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.

Table 1

Nominal Size		1/16	3/32	1/8	5/32	3/16	1/4	5/16	3/8
Shank Diameter (A)	Max.	0.060	0.090	0.120	0.150	0.176	0.225	0.280	0.335
	Min.	0.056	0.086	0.116	0.146	0.172	0.220	0.275	0.329
Wire Width (B)	Max.	0.060	0.090	0.120	0.150	0.176	0.225	0.280	0.335
	Min.	0.044	0.069	0.093	0.116	0.137	0.176	0.220	0.263
Head Diameter (C)	Min.	0.12	0.19	0.25	0.31	0.38	0.50	0.62	0.75
Ext. Prong Length (D)	Min.	0.03	0.04	0.06	0.07	0.09	0.11	0.14	0.16
Recommended Hole Size		.078	.109	.141	.172	.203	.266	.312	.375
Length Tolerance (L)	L ≤ 1	± .03							
	L > 1	± .06							

	NAME				PART NUMBER	
	STD COT PIN PLAIN				86509102	
	ENGINEERING SPECIFICATION				REV. F	FRAME 2 OF 3