

GROOVE PINS, TYPE A AND E, ZINC PLATED**1. SCOPE**

The fasteners defined by this specification are Type A (Drive Lok Type A and Groove Pin Type 1) and Type E (Drive Lok Type E and Groove Pin Type 5) Groove Pins, Zinc Plated.

2. DESIGNATION

2.1 Typical call outs on drawing shall be:

280148 GPIN A P .25 x1.00 86505631

Part Number _____

Groove Pin _____

Type A _____

Plated (Zn) _____

Diameter _____

Length _____

Standard Part Number _____

50598 GPIN E P .25x1.25 86505631

Part Number _____

Groove Pin _____

Type E _____

Plated (Zn) _____

Diameter _____

Length _____

Standard Part Number _____

NOTE: The above typical descriptions are 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 3 and 4 contain the part numbers to be used in future designs

2.3 When requesting a new part number, refer to 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 Part Numbers.

ANSI/AMSE B18.8.2 - Grooved Pins.

3.2 This standard replaces the following company standards:

New Holland	NA 2.04.6
Versatile Standard (Partial)	1-A-040

4. REQUIREMENTS**4.1 MATERIAL**

Cold Drawn Low Carbon Steel.

4.2 PLATING

Plating shall be Zinc (Zn) 86508307 (FNHA-2-H-500.03) per 86508305 (FNHA-2-H-500.00)

4.3 MECHANICAL DIMENSIONS

The general dimensions for Type A and Type E shall meet the requirements in Table 1 and Table 2 respectfully. All other dimensions will meet ANSI/AMSE B18.8.2.

					NAME	STD GROOVE PIN		
						 NEW HOLLAND		
ALL	J	BJF	115375	11DEC00	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.			ENGINEERING SPECIFICATION
ALL	H	BJF	113635	7/99				FRAME 1 OF 4
FRAME NO.	REV	BY	ECN NO.	DATE				PART NUMBER
APP.	DRAWN	BJFJR	12/96					
KHH 1/97	CHECKED							

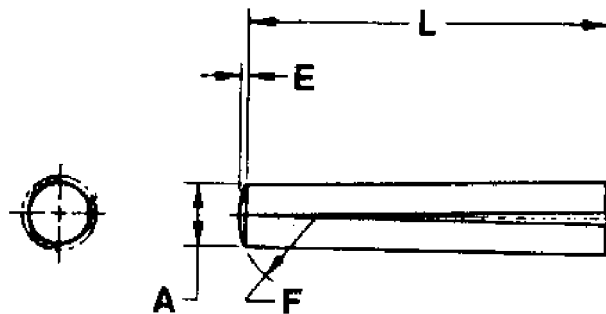
5. SUPPLIER RESPONSIBILITY

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 Materials Engineering activity of the proposed changes and obtain the written acknowledgement of the Materials Engineering activity. Test data, test samples and a new identification code are to be submitted with the request

Table 1 - Type A Groove Pin



Diameter		1/8	3/16	1/4	5/16	3/8	1/2
Double Shear Load lbs	Min	1600	3310	5880	7660	11000	19600
	Max	.1250	.1875	.2500	.3125	.3750	.5000
Pin Diameter (A)	Min	.1230	.1855	.2480	.3105	.3730	.4980
	Nom	.0310	.0180	.0260	.0340	.0390	.0520
Crown Height (E)	Max	.166	.260	.322	.385	.479	.635
	Min	.146	.240	.302	.365	.459	.615
Crown Radius (F)	Max	.1271	.1903	.2534	.3166	.3797	.5060
	Min	.1250	.1875	.2500	.3125	.3750	.5000
Recommended Hole Size		1/8	3/16	1/4	5/16	3/8	1/2
Drill Size		± .010					
Length Tolerance (L)		± .010					

	NAME				PART NUMBER	
	STD GROOVE PIN				86505631	
ENGINEERING SPECIFICATION				REV. J	FRAME 2	OF 4