

Spring Pins, Slotted Type, Plain

1. SCOPE

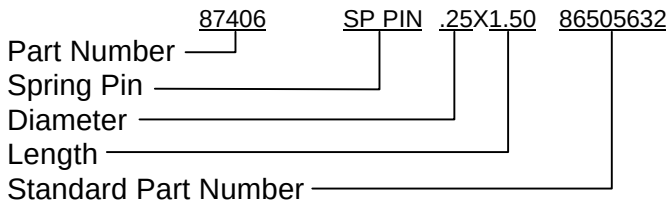
1.1 The fasteners defined by this specification are plain slotted type spring pins.

1.2 These pins should not be used in torque applications.

1.3 Part numbers marked with (*) are part numbers controlled by Europe. Although original control of these parts is by Europe, North American Engineering and Purchasing are to use the FNHA standard for part selection and purchasing.

2. DESIGNATION

2.1 Typical call out on drawing shall be:



NOTE: The above description is required for use in all company wide computer generated documents. The description on hand drawn 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 Non-preferred part numbers that 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 STANDARDS

3.1 REFERENCE STANDARDS

86505922 (FNHA-3-A-005.00)—Assignment of Standard Part Numbers
ANSI/ASME B18.8.2—Spring Pins

3.2 This standard replaces the following company standards:

Versatile (Partial) 1-A-038

4. REQUIREMENTS

4.1 MATERIAL

AISI 1070 to 1095 steel

4.2 HARDNESS

Normal Pin Size Range		
1/32 to 7/64	1/8 to 1/4	5/16 to 3/4
Rockwell 15N	Rockwell A	Rockwell C
83.5 / 86.9	73.6 / 77.4	46 / 53

4.3 PLATING

These parts are NOT plated.

4.4 STRAIGHTNESS

Normal Pin Length	Gage Length $\pm .005$	Straightness Dia. Allowance
$L \leq 1$	1.000	.007
$1 < L \leq 2$	2.000	.010
$L > 2$	3.000	.013

					NAME	STD SPRING PIN		
					 NEW HOLLAND		ENGINEERING SPECIFICATION	
ALL	D	BJF	117960	09APR02				
ALL	C	BJF	117333	24JAN02	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	B	RE	113509	5/99			PART NUMBER	
FRAME NO.	REV	BY	ECN NO.	DATE				
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4.5 MECHANICAL DIMENSIONS

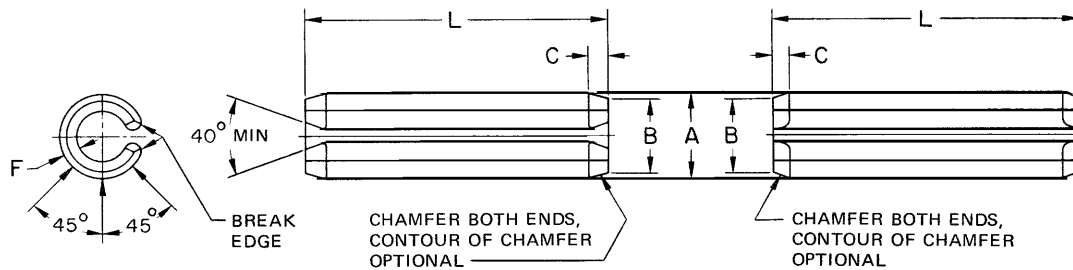
The general dimensions shall meet the requirements in Table 1. All other dimensions follow ANSI/ASME B18.8.2.

5. SUPPLIER RESPONSIBILITY

5.1 Suppliers shall perform the necessary tests 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 acknowledgment of the Material Engineering activity. Test data, test samples, and a new identification code are to be submitted with the request.

Table 1



		3/32	1/8	5/32	3/16	7/32	1/4	5/16	3/8	1/2
Pin Diameter (A)	Max.	.103	.135	.167	.199	.232	.264	.328	.392	.521
	Min.	.099	.131	.162	.194	.226	.258	.321	.385	.513
Chamfer Dia. (B)	Max.	.091	.122	.151	.182	.214	.245	.306	.368	.485
Chamfer Length (C)	Max.	.038	.044	.048	.055	.065	.065	.080	.095	.110
	Min.	.008	.008	.010	.011	.011	.012	.014	.016	.025
Stock Thk. (F)	Basic	.022	.028	.032	.040	.048	.048	.062	.077	.094
Recommended Hole Size	Max.	.097	.129	.160	.192	.224	.256	.318	.382	.510
	Min.	.094	.125	.156	.187	.219	.250	.312	.375	.500
Dble Shear Load Lbs	Min.	1000	2100	3000	4400	5700	7700	11500	17600	25800
Length Tolerance (L)	L ≤ 1	± .015								
	1 < L ≤ 2	± .020								
	2 < L ≤ 3	± .025								
	3 < L ≤ 4	± .030								
	L > 4	± .035								



NAME

STD SPRING PIN

ENGINEERING SPECIFICATION

REV.
DFRAME
2OF
3

PART NUMBER

Documents

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86505632